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Guide to Convivial Tools
LJ Special Report #13

By: Valentina Borremans

Published by: Library Journal
R.R. Bowker Company

Available from: Library Journal
R.R. Bowker Company

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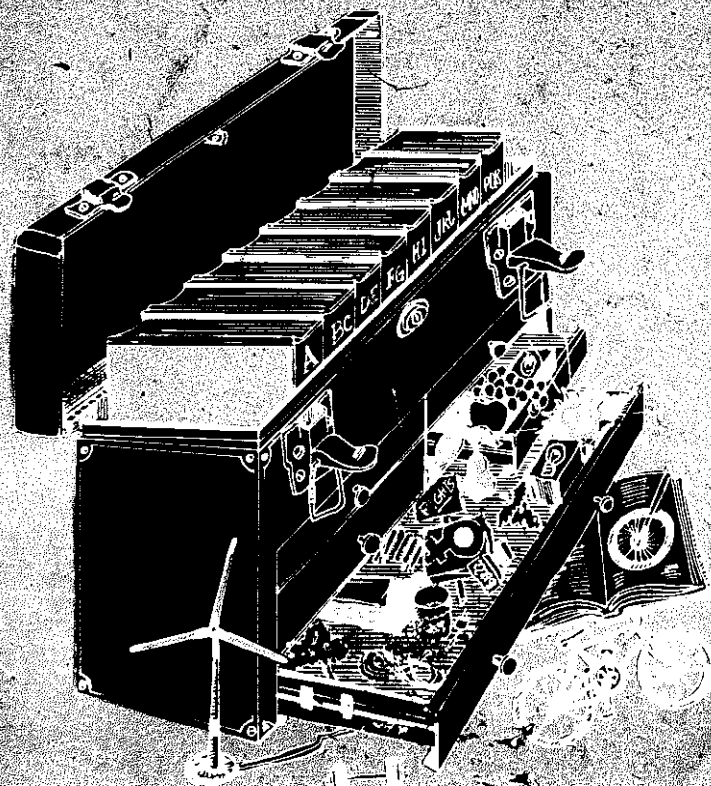
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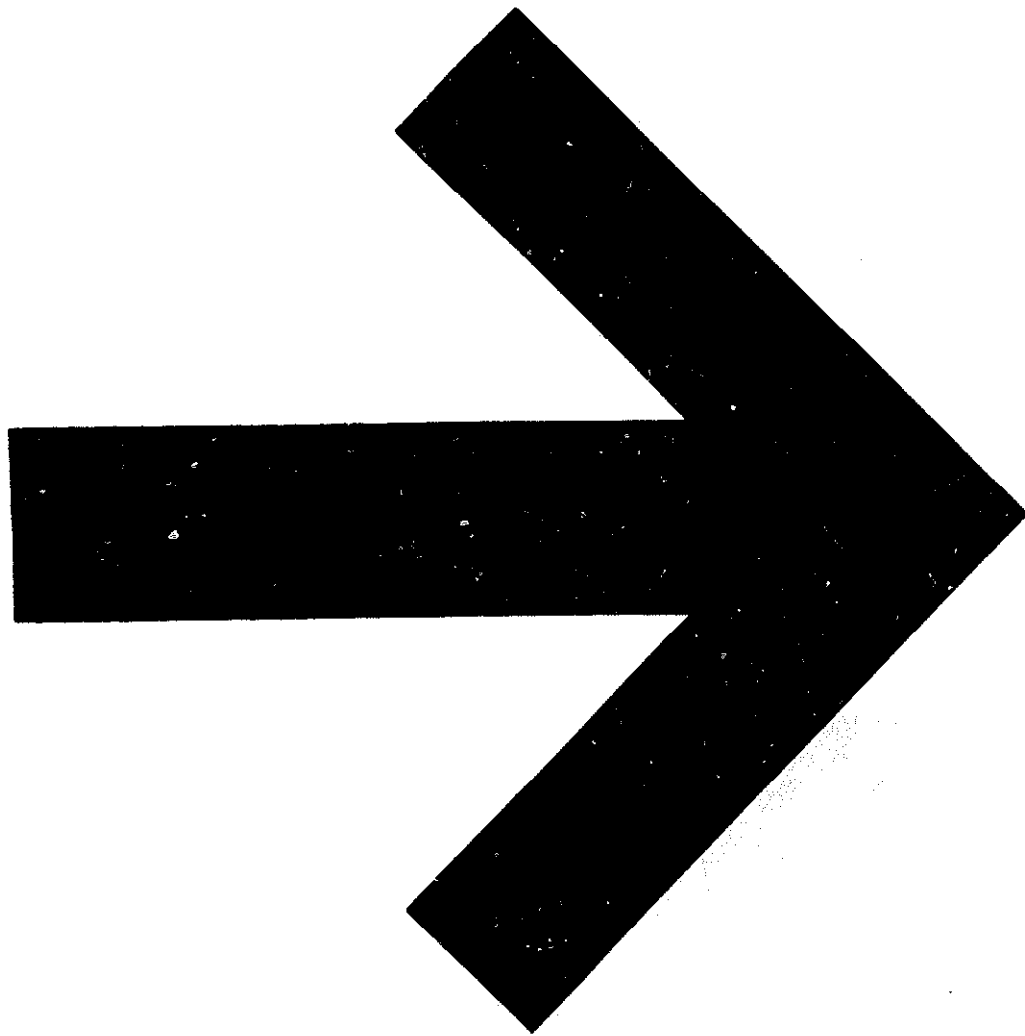
LJ SPECIAL REPORT 13

GUIDE TO

COMMERCIAL TOOLS

Presented by Tom Ichniowski





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Preface

BY IVAN ILLICH

At first glance this is just one more book on reference books. It lists and describes 858 volumes and articles that, in their turn, list books on alternatives to industrial society or people who write on that subject. The seven essays at the head of the list are like road signs placed by the author, by which the newcomer may recognize a few comprehensive handbooks, catalogs, bibliographies, or addressbooks to start on his search. The index at the end cross-references hundreds of subject matters. Altogether, this looks like a book to be used in a library—but the library where it could be used does not yet exist: I recently checked the largest technical libraries of Boston, Berlin, Oxford, and Washington, D.C., and nowhere could I find even half of the reference tools which are annotated in this volume. This is the champion list of un-listed reference tools: a bibliographic claim to a new kind of territory.

Valentina Borremans has discovered that a kind of literature that librarians tend to neglect, and that so far no library has collected, possesses internal coherence through reference tools that are often not recognized as such by the professional librarian. Recognition could allow a new discipline to come into being. I therefore believe that the publication of this book will serve three distinct purposes: it will guide researchers to documents that will surprise them; it will help librarians to incorporate a new kind of "gray" literature into their traditional collections, and it will convince the general public that research on alternatives to a commodity-intensive industrial society has come of age. In fact, this kind of research might be already the most imaginative, widespread, and enjoyable form of competent, multidisciplinary, and participatory exploration practiced.

How Valentina Borremans came to prepare this guide is probably best understood by reviewing her career. In 1961 she came from France to Mexico to direct a small research library on social change in Latin America. Starting with a few filing cabinets she built up four major research collections that are now a permanent part of the *Colegio de México*. By 1964 Borremans and a group of her collaborators incorporated this library as Centro Intercultural de Documentación, CIDOC, in Cuernavaca. During the next 12 years about 18,000 people came to read and to study at the Center which Borremans directed. More than 300 titles were published by CIDOC. CIDOC was meant to be the inverse of a university: a library centered place for advanced learning where courses grew out of self-organized reading, and all readers were equally empowered to organize their own seminars. This did work for almost a decade, but then success undermined the Center's purpose. Increasingly university teachers from foreign countries came to organize their own credit courses. Rather than allow CIDOC to become one more university, in 1976 Valentina Borremans closed the Center that she had founded and directed.

There was no administration at CIDOC that could impose a curriculum or theme: only the library, the money-making school for spoken Spanish and the housekeeping activities were "managed." By statute any participant could organize the seminar of his fancy by describing it in the periodic catalog or on the bulletin board. Yet, during the late 60's one theme came to dominate conversation: the disciplined and well-documented study of possible alternatives to a society dominated by the industrial mode of production. Many

of the authors listed in this guide are people who—a decade ago—had met at CIDOC and contributed their suggestions to the librarian. I myself conducted all my seminars at CIDOC and felt its most privileged user. Soon CIDOC gained the reputation of a unique depository library of otherwise unobtainable documentation.

Several years before the "Club of Rome" or the "Energy Crisis," before "Green Politics" or "Structural Unemployment" had turned into public issues, Valentina Borremans provided us at CIDOC with documentation on these still nameless subjects. If I rightly understand her present intention, this *Reference Guide to Convivial Tools* is a plea that librarians elsewhere provide access to the kind of materials that many of her guests enjoyed so intensely at CIDOC.

The present under-equipment of libraries for research on radical alternatives to a commodity-intensive society needs to be explained. It would be silly to ascribe it to a conspiracy amongst librarians. Librarians always find money for reference books, no matter how odd these are. No doubt, self-restraint is the secret of the competent acquisition librarian, even of him who is in charge of the largest collection. But money-pinching could under no circumstances explain an identical lacuna in the reference section of the Bod-

leian in Oxford, MIT in Cambridge, the ERDA Library (U.S. Energy Research and Development Agency) in Washington and the Technische Hochschule in Berlin.

None of these could produce the two-volume annotated bibliography on windmills I was looking for. To ascribe this lack to a prejudice against Don Quijote would be absurd. Of course it is difficult to order a book which the author himself publishes for a network of friends, a book for which he expects a donation rather than payment after invoice—a book that is difficult to shelve—but these are obstacles that would never stop a good library from acquiring a reference tool on fiction, politics, poetry, pornography, or the drug culture. Why then are the reference tools listed by Borremans so rare? This has certainly nothing to do with squeamishness, with racial prejudice, or with sexism. It does have something to do with the unusual process by which many of these items are published and distributed and with the suddenness with which they have appeared in the 70's. But the absence of these research tools must be primarily due to the fact that no classification system provides quite the right number. The logical coherence of the new literature has to be discovered before the reference paths into the new field can be assembled. In her introduction, Borremans shows how this might be done.

Introduction

This is an international library guide to a field of study which is now emerging as a distinct subject or discipline and which is based on contributions from a wide variety of traditional fields.

The new area of investigation focuses on the evidence that "tools," in their technical development, occasionally reach thresholds which are societally critical. When a tool acquires such a critical character, it inevitably affects the culture, social structure, and distribution of political power of the community which uses it.

The new discipline first identifies those tools that make an industrial market-intensive society inevitable. That is, a society in which the needs of people are increasingly correlates of goods and services designed and prescribed for them by dominant professions.

The discipline explores old, new, and possible tools which enable people and primary groups to shape their needs in the activity by which these needs are also satisfied. Such tools are overwhelmingly those which enhance the generation of use-values rather than the production of commodities.

This new discipline deals with the cultural, social, and political conditions under which use-value oriented modern tools can and will be widely used, and with the renewal of ethics, politics, and aesthetics which is made possible by the democratically decided limitation of the industrial mode of production.

This area of investigation is not confined to one new society in particular; but encompasses the prevalence of convivial over industrial tools in any modern society, and deals with the wide range of options in life style, governance, and economics which would be fostered by this prevalence.

The vision of these new possibilities requires the recognition that scientific discoveries can be used in at least two ways. The first leads to specialization of functions, institutionalization of values, and centrali-

zation of power. It turns people into accessories of bureaucracies or machines. The second enlarges the range of each person's competence, control, and initiative, limited only by other individuals' claims to an equal range of power and freedom.

The term "tool" is used here with the meaning given it by Ivan Illich in *Tools for Conviviality*. (406)

I use the term "tool" broadly enough to include not only simple hardware such as drills, pots, syringes, brooms, building elements, or motors, and not just large machines like cars or power stations; I also include among tools productive institutions such as factories that produce tangible commodities like corn flakes or electric current, and productive systems for intangible commodities such as those which produce "education," "health," "knowledge," or "decisions." I use this term because it allows me to subsume into one category all rationally designed devices, be they artifacts or rules, codes or operators, and to distinguish all these planned and engineered instrumentalities from other things such as basic food or implements, which in a given culture are not deemed to be subject to rationalization. School curricula or marriage laws are no less purposely shaped social devices than road networks.

Tools are intrinsic to social relationships. An individual relates himself in action to his society through the use of tools that he actively masters, or by which he is passively acted upon. To the degree that he masters his tools, he can invest the world with his meaning; to the degree that he is mastered by his tools, the shape of the tool determines his own self-image. Convivial tools are those which give each person who uses them the greatest opportunity to enrich the environment with the fruits of his vision. Industrial tools deny this possibility to those who use them and they allow their designers to determine the meaning and expectations of others. Most tools today cannot be used in a convivial fashion.

A convivial society should be designed to allow all its members the most autonomous action by means of tools least controlled by others and use-value oriented. The

growth of tools beyond a certain point increases regimentation, dependence, exploitation, and impotence and cannot but produce exchange-values.

By publishing this guide, I intend to establish the field of study which deals with convivial tools by providing it with a niche in every respectable library. As a librarian, I believe that the library—today more than ever—is the place where a dissident world view can first take shape and consistency. By properly labeling a new kind of perspective and by putting a new kind of material on the shelves, a new social reality can be fostered that will be confirmed even by those who impugn its legitimacy.

But a field needs a name if it is to mature. It would be a mistake to call this new and systematic pursuit of practical wisdom about tools "futurism." The term futurism has only recently found acceptance, but already designates one more academic discipline in which hierarchically organized professionals use prestigious procedures to forecast, plan, and make policy about people's needs and the services by which these needs shall both be shaped and satisfied. Convivial research does precisely the inverse: those who pursue it explore new ways and means by which they themselves and the members of their primary communities can satisfy those needs which are shaped and limited in the very same process by which they are satisfied. This approach to renewal and progress is conspicuously absent from the many excellent guides to the literature on futurism. I would rather follow Peter Harper in calling the study of convivial tools "radical technology."

We wanted to express an ideal of technological organization that was part of a total movement towards a new form of society; but at the same time to assert the belief that technology itself matters, not just who controls it—that, in other words, not only the relations of production, but the *means themselves* must be changed to permit the achievement of a just, stable and fulfilling society.

Since this last is a notion that most "radicals" would not accept, we adopted the word "radical" with some diffidence, reinforced by the fact that most of the material in the book is purely technical and has no overt political content at all. But other explicitly political labels were even more misleading or susceptible to misinterpretation. "Socialist Technology," "Anarchist Technology," or "Utopian Technology" could all have done at a pinch (let no one call us sectarian!), but the terms are so muddled that the relatively anodyne "radical technology" was wheeled in *faute de mieux*. (*Radical Technology*, ed. by Godfrey Boyle and Peter Harper, New York: Pantheon Books, 1976).

This is definitely not a guide for the study of "alternative technology" in the broad sense. Feeding high voltage networks from renewable geothermal sources, ocean waves, or the burning of alcohol—defensible under some possible set of assumptions—is clearly an alternative to coal, fission or fusion. But the fact that such production may be less destructive of the physical milieu does not necessarily mean that it is also a convivial tool. Therefore, references in this text

to oil, coal, or "alternative" feeders of high voltage networks are listed in order to make clear the differences between these and specifically *radical* technologies.

This guide must also be distinguished from an access tool to "soft technologies." The ecological movement has enormously contributed to the critical atmosphere that has made radical technology possible and acceptable. Most of the research, both critical and creative, which has resulted from the new emphasis on environmental studies, constitutes a precious source for the radical technologist. In many cases, the best test for the long-range ecological feasibility of a technique is its acceptability according to the criteria of soft technology. The emphasis of this guide, however, is not ecological. The radical technologist, in the design and selection of tools, primarily utilizes criteria which ensure the ability of individuals and small groups to generate use-values; environmental requirements are considered secondarily. In many ecological projects, priorities are reversed: the preservation of "nature" comes first, and specifically human needs are either ignored or slighted.

In similar manner, reference material on "soft bureaucracies" and their organizational tools will help the radical technologist to define and clarify his research in a new dimension. But this is not a guide to radical professionalism. No doubt, adult education is an "alternative" to schooling; no doubt, the participation of the pupil on the board of his "college without walls" renders his educational management sweeter and more persuasive; no doubt, public television has pioneered some techniques which can be used in convivial frameworks. But the radical inverse of schools is not some new form of education; rather, it is a structure of tools that fosters more widespread, satisfying, and stimulating learning. References to policy alternatives and new techniques in the areas dominated by the great professions of medicine, education, and law have the same purpose as references to alternative urban sewer systems, insecticides, or computers: they help you know thy enemy.

This is a guide to *Use-value oriented convivial tools—and to their enemies*. It is meant primarily as an instrument for the selection of reference materials for a library and, secondarily, as a research guide. The persons whom I want to assist are of three kinds.

From Fiesole in Italy and Arequipa in Peru, Puna in Maharashtra and Corte in Corsica, I have been asked to help in the creation of reference collections for the study of radical technology. This guide has been prepared for the librarian who must build up a specialized research tool far from any large and well-rounded general library. My emphasis is on those materials which allow the researcher to identify his needs, so that the librarian can then order these items, thereby enlarging the library's collection in the special fields actually used by its researchers.

In two decades of experience as a librarian in Latin America and some in Africa, I have had to work

with people who wanted to do research outside of the capital cities which monopolize documentation. I have come to the conviction that the one way to build a good library in such conditions is this: let the librarian splurge on access or reference materials, and only later stock his shelves with what the few researchers who regularly use the library request. I am convinced that a thousand dollars for the acquisition of reference materials will enable a part-time librarian in most countries of the world to provide a first-rate access and research tool for the study of radical technology.

The lack of research facilities in the libraries of poor countries is notorious. But even more scandalous is the absence of materials covered by this guide in the university libraries of rich nations. Therefore, it is also intended to remedy this lacuna. The well-equipped librarian can use the *Guide* to expand the reference section on both radical technology and in the fields which relate to it. This professional librarian might be surprised to find some of the most basic tools of his trade in the *Guide*. I remember the non-professionally trained librarian in a Colombian town who was asked by three schoolmasters to use one-fourth of each man's salary to create their research tool. He will be delighted to discover a general guide to reference books in both English and Spanish.

There is a third kind of user whom I have in mind: the individual researcher who has no access to any significant library at all. He might be a journalist in the northeast of Brazil who wants to argue his case against a new power station, or the union member in Italy seeking a list of others who have organized worker control over jobs in a plastics plant. For the sake of these readers, I have made many exceptions to my general rule and I have included second-level reference tools—guides to literatures, to organized activities, and to sources of documentation—and some other materials significant enough to retain their value as historical documents even though they have been replaced by more comprehensive new books. For the sake of the individual and isolated researcher, I have also listed a few more ephemeral items.

The dominance of English in this bibliography highlights the urgency of its international use. Today the need for radical technology is recognized in the English-speaking world, from India to Canada, more than elsewhere, with the possible exception of China. This is partly due to a political and historical tradition, and partly to the resources for systematic analysis and publication of experiments in the Anglophone countries. Thus English has become both the "unique" of corporate and professional multinationals extending their global reach and the "koiné" by which the housewife in Lima can establish contact with a women's health collective of London or Boston.

Today, it is abundantly clear that the Peruvian or Dahomian who does not acquire a reading knowledge of English is condemned to be the victim of translators. He will have to depend on what his tutors, large corporations, or governments decide to translate into

Spanish, French, or Quechua. The multinational industrial system defends its global power by this monopoly on access to the written word. This *Guide* to reference tools can help people all over the world raid the centers where research on radical technology takes place, research published overwhelmingly in English. For this reason, I include a section on language learning. The vernacular language is also the first of radical convivial tools—and conviviality means a return to multiple vernacular competence.

Most of the key items to which I would like to lead the user of this guide are of very recent vintage. They are being constantly criticized, improved or superseded, and the information on this lively process cannot be obtained from materials now commonly found in libraries. My guide is of limited usefulness unless it is complemented with a few other tools among which I would give priority to the following. (Numbers in bold face refer to this section.)

- *Rainbook* (239), complemented with *Rain* (119) magazine
- Peter Harper's bibliography in *Radical Technology* (124), edited by Boyle and Harper
- *The Appropriate Technology Sourcebook* (226), edited by Darrow and Pam
- *From Radical Left to Extreme Right*, vols 2 (728) and 3 (729), by Theodore Jurgens Spahn and Janet Peterson Spahn
- *Workbook* (167) magazine
- *Alternative Sources of Energy* (11) magazine

The arrangement of my guide to reference tools reflects the specific purpose for which I have destined it.

In the first section, Guides to Sources I list under 7 conventional headings a selection of 90 easy to use and comprehensive—mostly annotated—guides to research. This 11 percent of the total alphabetical list given in the following section will very frequently be sufficient to answer reference questions. This is an alphabetical list of 858 entries. I list entries under the personal name of the first given author or editor, rather than under the name of the impersonal agency, publisher, or collective. All co-authors as well as institutes, sponsors, and publishers (unless these are major commercial firms) are listed in the index. The third section lists periodicals. The fourth provides addresses of small, special, or unusual sources of the literature mentioned. The fifth is a name and subject index which includes some titles. The subjects are listed as the authors would define them. Thus this section can be used not only as index but also as glossary to the new field and as "Who's Who."

Acknowledgement

Eugene S. Ferguson, William Ellis, Michael Marien, Chris Hutton Squire, each with his special competence, has carefully read the manuscript and helped me with his advice. Professor Eugene S. Ferguson, whose bibliography has served as a guide in my readings for several years, has contributed both great encouragement and significant counsel.

I Guides to Sources

Bibliographic guides to the whole field

IN ENGLISH there are now several guides available which concentrate on the survey of recent literature on the entire field. These should be usually consulted first for an orientation to any specific subject. The *Rain-book* (239), updated ten times a year by *Rain* (119) magazine, is comprehensive and non-sectarian. For each item a short description and evaluation is given, with precise information on how to order it. The frankly decentralist monthly *Workbook* (167) is a useful, more critical complement with excellent indexes to each issue. Harper's dense comments in *Radical Technology* (124) on the political relevance of three decades of literature has served me as a guide in compiling my book. He can be complemented and supplemented by Marien, *Societal Directions and Alternatives* (515), especially on policy issues, updated by the seven issues of the bi-monthly *Public Policy Book Forecast* (115), now published monthly as of January 1979 as *Future Survey* (59a). The excellent *Appropriate Technology Sourcebook* (226) by Darrow and Pam is the quickest way to the literature on "how-to" problems. The two volumes, *From Radical Left to Extreme Right* (729, 730), bibliographies of books and of periodicals, compiled by Spahn, are fundamental. There are no comparable guides to the literature in any language but English. Therefore a search for literature in French will have to start with the *Répertoire Québécois des Outils Planétaires* (18), by Allegre et al., *Manuel de la Vie Pauvre* (278) by Les Enfants d'Aquarius, and the *Catalogue des Ressources* (157); and in German with *Umdenken-Umschwenken* (42, 43, 44), edited by the Arbeitsgemeinschaft Umwelt. Starting in July 1978, the magazine *Technologie und Politik* (154) publishes as a regular feature its own selection from the manu-

script of *Reference Guide to Convivial Tools*, compiled by Borremans, interlaced with further recent German publications.

A fair amount of materials relating to radical technology is published by each country's established publishing firms, by established institutions of learning or research-bureaus attached to official agencies. The major guides to reference books are Walford, *Guide to Reference Material*, vol. 1 *Science and Technology* (807, 808); the American Library Association's *Guide to Reference Books* (837), comp. by Winchel (1967) brought up to date by Sheehy (705) (1976); Sabor, *Manual de Fuentes de Informacion* (668); Hoffman, *Readers' Adviser* (639); Malcès, vol. 3, *Sciences Exactes et Techniques* (507).

Bibliographies in comprehensive handbooks

COMPREHENSIVE HANDBOOKS ARE those anthologies, repertories, and guides which provide the reader with a survey of ideas and praxis of decentralized living. The handbook includes, under one cover, issues as distinct as shelter, printing, health-care, and waste treatment. The following handbooks are each written for a different kind of reader and with each chapter provide guidance to further reading. *Radical Technology* (124), edited by Boyle and Harper, insists that new life-styles are mandatory for the sake of justice; *Whole Earth Catalog* (833) and *Epilog* (834) are like a supermarket combined with an antique shop and museum for Americans; *Progress as if Survival Mattered* (554), edited by Hugh Nash, is a guide to the program of the Friends of the Earth. The three excellent *Source Catalogues* (725, 726, 727) are now somewhat dated but contain extraordinary quantity of material.

Répertoire Québécois des Outils Planétaires (18), edited by Ailegre et al., is a practical bilingual guide to alternative living within a rich society; *99 Ways to a Simple Lifestyle* (760), edited by Taylor, is similar and has an excellent and ample bibliography. *Survival Scrapbooks* (755, 756), in several volumes, some edited by Szcselkun, are an esthetic pleasure with careful selections of the most serious literature which the layman can easily master. The *Handbook on Appropriate Technology* (148), edited by the Canadian Hunger Foundation, is a model "how-to-do-it" manual, designed primarily for poor countries, with international scope in its references on the selection, production, and use of simple tools. There is also a Spanish edition.

A different handbook is the critical guide to alternative praxis in a given country or area; it lists much less literature, but very frequently provides guidance to groups and authors who are presently engaged in reporting on their experience. Outstanding and needed in every library are: *Alternative London* (680), *Alternative England and Wales* (681) by Saunders; and *Alternative Scotland* (851) by Wright and Worsley; *Manuel de la Vie Pauvre* (278), by Les Enfants d'Aquarius; *Umdenken-Umschwenken* (42, 43, 44) by Arbeitsgemeinschaft Umwelt; *Italia Alternativa* (634), by Quattrochi. A magazine for regional sources of information, done with simplicity and competence, is *Whole Earth* (164), produced in Brighton, Sussex.

Guides to alternative publishers and their stock

MATERIAL OF INTEREST will be found in the lists of many nonprofit, non-commercial, and non-institutional presses and mini-presses, which tend to specialize either in politics or in literature. For access to these see: *Alternatives in Print 1977-78* (ALA) (26); *Small Press Record of Books in Print* (315), edited by Fulton and Ferber; and the monthly *Small Press Review* (142); *Little Press Books in Print* (481), published by the Association of Little Presses, London; and *Guides to Women's Publishing* (432), edited by P. Joan and A. Chesman. See also: *Bücher die Man Sonst Nicht Findet: Katalog der Minipressen* (439), edited by Käsmayer and *Linke Verlage Informieren: Verzeichnis Linker Lieferbarer Bücher* (478), published by Maulwurf Buchvertrieb, Berlin. For French publications see the bookstore catalogs of Librairie Parallèles, Librairie Alternative, and Librairie Entente.

A few publishers and book-cooperatives specialize in adequate or radical technology: Compendium Bookshop (194) in London, for overall coverage; *History of Ecology* (267) is an annotated brochure by Arno Press; Ears Environmental Action Reprint Service catalogs (283), for solar and alternative energy; Rodale's Press sales catalog on alternatives (127); the two

Yes! bookshop guides (625, 626) by Popenoe for health and parapsychology.

Guides to periodical literature

WHAT CANNOT BE found through Ulrich's *International Periodicals Directory* (785) and its companion volume *Irregular Serials and Annuals* ought to be sought in *Directory of Small Magazine/Press Editors and Publishers* (313) and *International Directory of Little Magazines and Small Presses* (314), both by Fulton; *From Radical Left to Extreme Right: a Bibliography of Current Periodicals* (729, 730) by Spahn, a guide to the makeup, sponsors and content of periodicals, that covers entries, which can of course be found in Ulrich's as well as items which nobody would look for there; *Sunspark Guide to Alternative Periodicals* (155), compiled by Carnahan; *Alternative Press in Canada. Serials* (845), from 1960 until c. 1972, compiled by Woodsworth; *New Periodicals Index* (96), edited by Mediaworks; and *Alternative Press Syndicate Directory* (22).

Reviews in major journals

FOR CRITICAL REVIEWS of current publications, see the following major journals: *CoEvolution Quarterly* (27), ed. S. Brand, Sausalito, California; *Alternatives* (13), Peterborough, Ontario; *Manas* (82), ed. H. Geiger, Los Angeles, California; *Resurgence* (125), ed. S. Kumar, Wales; *North Country Anvil* (100), ed. J. and K. Miller, Millville, Minnesota; *The Ecologist* (44), ed. E. Goldsmith, Wadebridge, Cornwall (England); *The New Ecologist* (95), ed. N. Hildyard and R. Lumley-Smith, Wadebridge, Cornwall; *Not Man Apart* (101), Friends of the Earth, San Francisco, California; *Undercurrents* (162), ed. collective, London; *Natural Energy* (91), ed. R. Clark, London, U.K.; *Technologie und Politik* (154), ed. F. Duve, Reinbek bei Hamburg; *Ecodevelopment News* (102), ed. I. Sachs, Paris; and *Le Sauvage* (129), ed. A. Hervé, Paris.

Libraries

FOR INFORMATION on alternative libraries, information networks, and joint catalogs of libraries within the area, consult: Benedict Network (86); *Alternative Sources of Energy Lending Library* (23, 24); *Alternative Library Lit* (92), by Berman; *Interstate Library Planning Group Directory* (417); *Revolting Librarians* (821), edited by West et al.; *State and Local Environmental Libraries* (738), a joint publication of U.S. Environmental Protection Agency and National Oceanic Atmospheric Administration; *Undergrounds* (223), a union list of alternative periodicals in libraries of the

U.S. and Canada, compiled by Danky; and the *Union List of Little Magazines* (786) of the Indiana University Library.

Sources in tradition

EACH TRADITIONAL CULTURE has at any particular point in time a unique style of coping with reality, and this style is articulated in its tools. We can barely imagine the variety of tools illustrated on the 2,885 plates of the *Encyclopédie de Diderot et d'Alembert*. Thus the history of technology can contribute thousands of years of experience to research on modern but still use-value oriented tools. On the social consequences of contact between traditional peasant or high culture with industrial civilization see Balandier, "Consequences sociales du progrès technique dans les pays sous-développés" (62) and Treanton and Reynaud, *Industrial Sociology 1951-1962* (778), both annotated bibliographies.

The study of traditional tools which can be im-

proved or changed by new materials, concepts or application, is one of the most important sources of radical technology. First of all Ferguson, *Bibliography of the History of Technology*, (290), but also Forbes, *Man the Maker* (298), provide critical guides to the field, with much greater detail than the *Guide to Historical Literature* (29) of the American Historical Association, but less exhaustive than the Smithsonian's *ISIS* (420).

One of the great histories of technology will probably be accessible for consultation: Singer et al., *A History of Technology* (712); Forbes, *Studies in Ancient Technology* (299), or Daumas, *Histoire Générale des Techniques* (229). For extra-European high cultures, Needham, *Science and Civilization in China* (567), will remain for a long time the great model. See also Wulff, *The Traditional Crafts of Persia* (853); Nasr, *Science and Civilization in Islam* (555); and for special periods: White, *Medieval Technology and Social Change* (828); and Armytage, *A Social History of Engineering* (51).

II Convivial Tools: Bibliography

An alphabetical listing of books by first author or editor where applicable; otherwise by agency

A

- 1 Academie des Sciences de L'U.R.S.S., Institut de Geographie. *Homme, Société et Environnement: Aspects Geographiques de l'Exploitation des Ressources Naturelles et de la Sauvegarde de l'Environnement*. Moscou: Ed. du Progres, 1975. 480p. bibliog. pp. 461-477. principally Russian works.

Assembles the studies made by a group of researchers of the Institute of Geography of the U.S.S.R. Academy of Sciences. An exhaustive analysis of the determination of world oil prices. The role played in this process, first, by the international oil companies and, increasingly now, by the OPEC producers is detailed. (However, the book antedates the big price increases imposed in 1973.)

- 2 Advisory Committee on Technology Innovation. *Energy for Rural Development: Renewable Resource and Alternative Technologies for Developing Countries*. Washington, D.C.: National Academy of Sciences, 1976. 306p.

Examines energy technologies with power capabilities of 10-100 kilowatts at village or rural level in terms of short- and intermediate-term availability. Identifies specific research and development efforts needed to make intermediate-term applications feasible in areas offering realistic promise.

- 3 Advisory Committee on Technology Innovation. *Food Science in Developing Countries: A Selection of Unsolved Problems*. Washington, D.C.: National Academy of Sciences, 1974. 81p.

Describes 42 unsolved technical problems with background information, possible approaches to solutions, and information sources.

- 4 Advisory Committee on Technology Innovation. *Making Aquatic Weeds Useful: Some Perspectives for Developing Countries*. Con resumen en Español. Avec résumés en Français. Washington, D.C.: National Academy of Sciences, 1976. 175p.

This report examines methods for controlling aquatic weeds and using them to the best advantage, especially those methods that show promise for less-developed countries. It em-

phasizes techniques for converting weeds for feed, food, fertilizer, and energy production. It examines, for example, biological control techniques in which herbivorous tropical animals (fish, waterfowl, rodents, and other mammals) convert the troublesome plants directly to meat. Though the techniques described in this report have been selected for their applicability in less-developed countries, many are relevant to industrialized countries." (preface.)

- 5 Advisory Committee on Technology Innovation. *Underexploited Tropical Plants with Promising Economic Value*. Con resumen en Español. Avec résumé en Français. Washington, D.C.: National Academy of Sciences, 1975. 184p.

This is a report on 36 plants that show promise for improving the quality of life in tropical areas. Each chapter has several pages of selected readings.

- 6 Agency for International Development. (AID). *Catalogue of Research Literature for Development*. Vol. II: *Food Production and Nutrition, Development and Economics, Education and Human Resources, Health, Selected Development Areas*. Washington, D.C.: Agency for International Development, December, 1977. 597p. bibliog. of bibliogs. pp. 333-337, 147 entries.

This second and final volume identifies and cites research and development materials produced principally through programs of the former Bureau for Technical Assistance of the Agency for International Development (A.I.D.). All research and development fields of concern to this Bureau are represented in this volume, extending coverage beyond food production and nutrition—the focus of volume one—to education and human resources, health, development assistance, economics, and selected areas in both the physical and social sciences. Titles cited here represent findings and results produced in the search for expanded knowledge and new approaches to developmental problems. They have been issued between 1962 and 1977. The work excludes programmatic documentation used by A.I.D. to carry out project development, obligation of funds, and management operations.

- 7 Agency for International Development. AID. *Community Water Supply*. USAID Bibliography Series: Health, No. 1, 1969 24p.

This annotated bibliography was designed to help AID staff members and consists primarily of AID reports and documents with some material from other organizations. General

subjects and reports on regional programs in Latin America and the Middle East are surveyed, as are reports on 21 countries. Much of the material was issued in limited quantities and would be difficult to obtain.

- 8 Air Pollution Technical Information Center. *Odors and Air Pollution: Bibliography with Abstracts*. Publ. AP-113. Washington, D.C.: Air Programs Office, 1972. 257p.

"The abstracted documents are thought to be representative of available literature. . . ." (Introduction). Classed arrangement with author and detailed subject index. International coverage; with English abstracts, and titles of foreign-language works given in English followed by the original title. One of a number of annotated bibliographies in the issuing agency's publications series.

- 9 Aitken, Donald W. *Bibliography for the Solar Home Builder: an Annotated Selection of Books Generally Focusing on the Use of Solar Energy in the Home*. Sacramento, Calif. Office of Appropriate Technology, July 1978. 33p., 9i annotated entries.

"Summarizes only those books and reports with which the author is personally familiar and that he feels to be the most useful, honest, and worth the cost. It is a subjective screening, but most of the references have already served well. The selection is almost exclusively limited to applications of direct radiant solar energy and to information relevant for solar home design and construction."

- 10 Ajami, Alfred M., Jr. *Drugs: an Annotated Bibliography and Guide to the Literature*. Boston, Mass.: G. K. Hall, 1973. 205p.

Selects and annotates more than 500 references on psychopharmacology, for an interdisciplinary course on the U.S. "scene" of the late 60's.

- 11 Akeroyd, Joanne V. *Alternatives: a guide to the Newspapers, Magazine, and Newsletters in the Alternative Press Collection in the Special Collections Department of the University of Connecticut Library*. 2nd ed. rev. enl. Storrs, Conn.: The University of Connecticut Library, 1976. 128p. \$3.

An alphabetical title listing of some 1500 periodicals, approximately 250 of which are current subscription. Place of publication and issuing group are listed wherever discernible. It has a geographical arrangement representing 46 states and 21 foreign countries. The Alternative Press Collection, now among the ten to fifteen largest in the country, was begun in the late 1960s by the library's Special Collections Department. It was designed to make readily available the information sources from all aspects of the counter or alternative culture movements and on the issues of social and political concern that these movements have brought into question and discussion. The first edition of this guide, compiled by Richard Akeroyd early in 1972, listed 400 periodical titles. The collection now contains approximately 1500 periodical titles. It is part of the *Benedict Network*.

- 12 Akeroyd, Richard, and Benedict, Russel, eds. "A Directory of Ephemera Collections in a National Underground Network." Where have all the flowers (and political leaflets, social protest pamphlets, movement literature, and fugitive materials) gone? *Wilson Library Bulletin*, 48, November 1973, pp. 236-254.

For an extended quote, see: *Benedict Network*.

- 13 Akhtar, Shahid. *Health Care in The People's Republic of China: A Bibliography with Abstracts*. IDRC-038. Ottawa: International Development Research Centre, 1975. 182p.

Five-hundred and sixty annotated entries; Appendix 1: 173 articles identified but not received for processing; Appendix

2: selection of articles from the *Chinese Medical Journal*, Peking 1960-1974; Appendix 3: sources of information about Chinese documents; Appendix 4: names and addresses of select authors and institutions. The literature concentrates on the famous "barefoot doctors" of China and covers the period 1949-1974. Includes published and unpublished documents.

- 14 Akhtar, Shahid. *Low-Cost Rural Health Care and Health Manpower Training*. An annotated bibliography with special emphasis on developing countries. Vol. 1. IDRC-042. Ottawa: International Development Research Centre, 1975. 164p. 700 entries with abstracts.

The literature abstracted focuses primarily on new models of health-care delivery and on the training and utilization of auxiliary health workers. It is intended to be of use to persons who are involved in planning, operating, and evaluating systems to provide rural health services; persons concerned with the training of auxiliary health workers to staff such systems; and organizations that are supporting research into the problems of organizing and staffing health-care delivery systems.

- 15 Alder & Molenaar. *Water Lifting Devices for Irrigation*. Agricultural Development Paper No. 60. Rome: Food and Agriculture Organization, 1956.

- 16 Allaby, Michael, ed. *A Dictionary of the Environment*. London: Macmillan, 1977. 532p. £12.

"Defines some 6000 words and phrases from the areas of the environmental sciences (botany, zoology, chemistry, physics, philosophy), and provides a solid foundation from which this rapidly developing field of human knowledge can build a vocabulary that is truly its own." (from announcement.)

- 17 Allaby, Michael, & Tudge, Colin. *Home Farm: Complete Food Self-Sufficiency*. London: Macmillan, 1977. £5.50.

"... Covers the whole range of modern farming from giant agri-business enterprises to backyard small holdings and from greenhouses to roof gardens. An objective and detailed examination of the practices and malpractices of recent years, always with due consideration given to the pressures which have shaped these events. . . . Includes a synopsis of farming activities in different regions of Britain and takes a look at future trends. . . . Is divided into five main sections covering just about every method of producing food in Britain, including extraction of leaf and microbial protein, the bioplex, and its more practical counterpart the city farm; in addition it describes most known temperate food crops and livestock, both the expected and the surprising (llamas) that may be turned to good use. Well illustrated and contains a useful list of organizations, services, and literature. A good book to consult for those considering the possibilities of a rural way of life, for those wanting more information about the areas of self-sufficiency available to the urban dweller, or for those just wanting to be better informed about food production and farming. . . ." (Trevor Lawrence, *The Ecologist*, Vol. 7, No. 9, November 1977, p. 370.)

- 18 Allegre, Christian; Belair, Michel, Chevrier, Michel, & others. *Le repertoire québécois des outils planétaires*. Vol. 1. Montréal: Editions Alternatives, 1977. 216p. \$10.

Following the format of the *Whole Earth Catalogue*, this guide applies much more carefully specified criteria of selection. It lists only "planetary tools" and defines these as means for action that can be effectively used by an independent learner, that have been critically evaluated for their usefulness, and that are easily accessible or available by mail order in the province of Québec. French language books are given preference, but where no equivalent is available, an English book is indicated and reviewed. The use-value orientation of the entries of this important French Canadian guide contrasts impressively with the commercial orientation of the three volumes of the *Catalogue des ressources*.

19 Allen, Donna, ed. *Media Report to Women: Index/Directory*. \$6. from: 3306 Ross Pl. N.W., Washington, D.C. 20008.

Annual on women's media groups. It also serves as a yearly index to the monthly, *Media Report to Women*. The range of articles covered in the magazine indicates the areas of concern and the movement of women in media.

20 Allen, Edward H. *Handbook of Energy Policy for Local Governments*. Lexington, Mass.: Lexington Books, 1974. 236p. bibliog. \$15.

This reference for public advisory/consulting groups operating on the local level focuses on policy administration and alternatives and conservation programs. Sample forms and applications, including excerpts from federal energy legislation, are provided, as is a well-organized bibliography.

21 *Alternative Press Index*, v.1, No. 1/2, July/December 1969- . [Northfield, Minn.] Radical Research Center, [1970-] Quarterly, irregular.

Publisher varies. "An index to the publications which amplify the cry for social change and social justice." (title page v.1). Provides a subject index to more than 70 liberal, radical, and "underground" periodicals, most of them not indexed elsewhere. Continued by the *Alternative Press Center* in Baltimore, Maryland. see item 9 in third section.

22 *Alternative Press Syndicate Directory, 1976*. Pub. by the Alternative Press Syndicate, New York. 21p. \$5.25.

Published annually. Contains complete information on all members: ad rates, mechanical specifications, publishing schedule, bulk distributor prices, editor, address, subscription rate, founding date, etc. The *Directory* is sent to all members free and is sold to others.

23 *Alternative Sources of Energy*. "Lending Library." *Alternative Sources of Energy*, No. 15, October 1974. pp. 4-41.

The A.S.E. lending library was started with issue No. 9 in February 1973, as a service for people who do not have easy access to material on alternative energy sources and for people researching a particular area. The emphasis of most items is on small scale, practical, or hard-to-get information. Many new items have been obtained since No. 9 was printed. This issue supersedes the lending library listings contained in the *Bibliography Issue*, ASE No. 9. The rules of the lending library are described on p. 2.

24 *Alternative Sources of Energy*. "Lending Library Update. Supplement to the #15 issues." *Alternative Sources of Energy*, No. 21, June 1976. pp. 59-69. c.240 annotated entries.

A.S.E. will keep printing Lending Library Supplements. For the rules of the lending library, see p. 59.

25 *Alternative Sources of Energy. Spectrum. An Alternative Technology Equipment Directory*. Milaca, Minn.: ASE, 1975. 61p. \$2.

A catalog style source book of products available from manufacturers: wind generators, wood stoves, flat plate collectors, photovoltaics, insulation, heat exchangers, hydro power units, waste disposal equipment. Nothing else like it exists. An outcome of the A.S.E. network which has existed for several years. Now updated.

26 *Alternatives in Print: Catalog of Social Change Publications, 77-78*. 5th ed. comp. by the Task Force on Alternatives in Print, Social Responsibilities Round Table. American Library Association. San Francisco, Calif.: New Glide Publ., 1977. 198p. \$8.95 pap.

Comprehensive guide to hard-to-find alternative publications on social change. The fifth edition classifies and cross-references more than 1500 publishers/groups, including 300 poet-

ry presses, 150 feminist groups, and 50 each representing alternative lifestyles, black culture, gay liberation, and ecology. Includes a geographical listing of publishers' addresses.

27 American Automobile Association. *Fuel Economy Annotated Bibliography*. Falls Church, Va.: American Automobile Association, Traffic Engineering and Safety Dept. 14p.

Lists and briefly describes pamphlets, booklets and flyers; magazine and newspaper articles; publications partially devoted to fuel economy; audiovisuals; research; AAA items and sources of further information. Useful to school libraries and audiovisual departments, city planning and traffic engineering agencies, and consumer-environmental-public interest organizations.

28 American Council of Voluntary Agencies for Foreign Service. *A Listing of U.S. Non-Profit Organizations in Small Industry Development Assistance Abroad*. Together with a bibliography and a listing by region of organizations involved in small industry development assistance. New York: American Council of Voluntary Agencies for Foreign Service, undated. 128p. descriptive annotations.

29 American Historical Association. *Guide to Historical Literature*. New York: Macmillan, 1961. 962p. \$16.50.

"When background information is required to place technical history in context, this guide will provide an entry to adjacent fields. The section on "General Reference Resources," by Constance M. Winchell and Shepard B. Clough (253 titles), should be part of a scholar's basic store of information. The whole book contains over 15,000 briefly annotated titles . . ." (Eugene S. Ferguson, *Bibliography of the History of Technology*, 1968.)

30 American Public Works Association. *Practices in Detention of Urban Stormwater Runoff*. Special Report No. 43. Chicago, Ill.: American Public Works Association, 1974. \$12.50.

Because it is cheaper than having separate sewers, most urban sewage systems combine storm water with human sewage, causing overflows and pollution with every major storm. The same sewers contribute to floods by letting storm waters drain together all at one time. One alternative is not to have any sewers at all—using compost toilets or home septic tanks for sewage and using on-site absorption and surface management of storm water. This report surveys techniques, costs, and problems of surface stormwater management, finding that such systems can frequently be cheaper and more effective than conventional sewers. Both simple things and unusual ideas are surveyed—detention ponds, soil infiltration, detention of water on building roofs and in parking lots, underground storage for special uses, and use of porous pavement. Of value to planners or citizen groups evaluating costs and procedures for alternatives to expensive sewage systems. (*Rainbook*.)

31 American Society of Planning Officials (ASPO). *Urban Growth Management Systems*. Planning Advisory Service Report No. 309 and 310. Chicago: ASPO, 1976. \$12.

Analyzes an interesting range of 13 operating growth management systems and surveys legal considerations in growth management and the socio-economic and environmental impacts of such activities. Informative on the actual effects of . . . community response to various measures.

32 Anderson, Bruce. *Solar Energy, Fundamentals in Building Design*. New York: McGraw-Hill, 1977. 374p. \$17.50.

The professional architect's version of the *Solar Home Book*, with a very complete bibliography and index.

- 33 Anderson, Bruce, & Riordan, Michael. *The Solar Home Book: Heating, Cooling and Designing with the Sun*. Harrisville, N.H.: Cheshire Books, 1976. 297p. \$7.50.

Well written and fully illustrated with photographs, clearly drawn diagrams, graphs, and tables. The statistics are given for the northern hemisphere, particularly for the U.S.A. and measures are given in feet, pounds, and inches. There is more than adequate technical information on heat flow processes, various kinds of solar energy systems, and a good emphasis on direct, i.e. passive solar, techniques. The reading list provides a "Who's Who" in solar energy and the major texts are referred to.

- 34 Andrews, Jack. *Edge of the Anvil: a Resource Book for Blacksmiths*. Emmaus, Pa.: Rodale Press, 1977. \$6.95 pap.

"The past ten years have seen the appearance of truly practical manuals of instructions in many skills, which are free from a traditional and jealous guarding of the tricks of the trade as if they were religious mysteries. Only those addicted, over two decades or more, to the acquisition of the essential information required to begin, without direct instruction, or without the years of trial and error by which methods were developed, will fully appreciate that this is an unprecedented development worth remarking . . . A pleasure then to read this entirely useful book, one of the best of the new breed of manuals, on blacksmithing or the art of handcrafting of iron. The book is written in the style of a cartoon strip with expanded captions. There are almost as many pen drawings, also by the author, as paragraphs . . ." (Michael Newland, in *Undercurrents*, No. 28.)

- 35 Andrews, Martin. *Science Fiction Bibliography: a Selective, Annotated Guide*. Littleton, Colo.: Libraries Unlimited, 1976.

- 36 Andrews, Theodora. *A Bibliography of the Socio-Economic Aspects of Medicine*. Littleton, Colo.: Libraries Unlimited, 1975. 569 annotated entries. \$11.50.

A useful complement to Michael Marien's *World Institute Guide to Alternative Futures for Health*, 1975.

- 37 Angell, Tony, & Peterson, Christina, eds. *Energy, Food, and You: An Interdisciplinary Curriculum Guide for Secondary Schools*. Washington, D.C.: Washington State Office of Public Instruction, Office of Environmental Education. First draft of 275 pages without date.

Includes ideas and activities on global food problems, energy and resource use, the U.S. food system, and energy-efficient alternatives.

- 38 *Annual Review of Energy*. Vol. 1. Ed. by Jack M. Hollander. Palo Alto, Calif.: Annual Reviews, Inc., 1976. 793p. \$17.

Inaugural issue with 28 essays, many long and technical. The focus is on the U.S. energy system. Though the issue of energy production dominates, there are essays on political regulation, capital and environmental costs, and an outstanding review of the conservation of energy by Lee Schipper.

- 39 Antonorsi, Marcel. *Technologie douce: Un essai d'interprétation critique*. Cahiers de l'Ecodeveloppement, No. 4. Paris, Centre International de Recherche sur l'Environnement et le Développement, 1974. 153p. bibliog. pp. 132-153, 248 entries.

An introduction to the work of Robin Clarke and Peter Harper, creators of the soft technology concept, including an exposition of their thesis, a critical analysis, an exploration of a practical realization of their ideas in a community started by Clarke, possible strategies and forms of action, and other similar theses and authors (Bookchin, Illich, New Alchemists, The Ecologist). Appendix: pp. 126-127, 17 ad-

resses of persons or groups interested in alternative technology; pp. 128-129, 15 addresses of magazines publishing articles on alternative technologies; pp. 130-131, list of 13 catalogs, manuals, and guides.

- 40 *Appropriate Technology: a Directory of Activities and Projects*. Integrative Design Association, 1977. Free from the National Science Foundation, Research Applied to National Needs, Washington, D.C. 20550. 66p. bibliog. p. 59-66, annotated.

Annotated listing of more than 300 U.S. groups and individuals who regard themselves as active in appropriate technology development. It contains a zip code listing of U.S. groups, a list of Washington, D.C. resources, international activities, an introductory bibliography, and a report on what a number of appropriate technology people consider important issues to be dealt with in the future.

- 41 *Appropriate Technology Development Association, India. Appropriate Technology Directory*. Vol. 1. London: ATDA, 1977. 267p. \$5.75, available from ITDG (Intermediate Technology Development Group).

Simple technologies and industrial processes for small communities and rural areas with illustrations, designs, and drawings. Ten sections comprise agricultural tools, hand and craft tools, agro-processing, village and cotton industries, materials handling and transport, health and hygiene, education and training, water power and energy, domestic equipment, and construction.

- 42 *Arbeitsgemeinschaft Umwelt (AGU). Umdenken-Umschwenken: Alternativen Ausstellung*. Zürich, Arbeitsgemeinschaft Umwelt, Mai, 1975.

Since summer 1974 a number of work-teams organized by the students of the two technical universities of Zürich created a Kollektiv. Its task: to review, rethink, and structure in a fundamental way the uses of science and technology at the service of decentralized, effective, and politically participatory forms of life. They first organized an exhibition on alternative technology and lifestyles, in Zürich in 1975, that traveled through German-speaking Europe, and in most sites it was considerably enriched. The catalogs to these exhibitions constitute a record of German development of alternative techniques and thinking about progress during the 70's. *Umdenken-Umschwenken, Alternativen Ausstellung*, the catalogue of the Zürich Exhibition 1975, and the catalogue of the Kassel, Germany, exhibition, are the two only editions still available. *Alternativ-Ausstellung* is a very critical guide to use-value oriented theory and praxis.

- 43 *Arbeitsgruppe Alternativen, AGA. Schluss mit der ewige gestrigen Zukunft. Der Katalog zur Ausstellung "Umdenken-Umschwenken" vom 14. Mai bis 11. Juni 1977 im Österreichisches Bauzentrum. Wien: Arbeitsgruppen Alternativen AGA, 1977. 510 S.*

Austrian contributions of addresses, bibliographies and reports to the catalogue of the travelling exhibition from Zürich.

- 44 *Arbeitsgruppe Alternativkatalog. Alternativ Katalog. Heft 1: Hausbau, Gemeinschaften, Kommunikation, Transport, Recycling. Rüslikon, Zürich. Gottlieb Duttweiler Institute, Mai 1975. ca. 120p. SwFr. 12,00.*

The first and still the leading German Language guide book to alternative technology, its literature and its "who is who." Vols 2 and 3 are published by Dezentrale from where the three volumes are available.

- 45 *Arbeitskreis Alternatives Adressbuch. Das Alternative Adressbuch 1977. Ober-Olm bei Mainz: Initiative Projekt Gruppengemeinschaft, 1977. DM 8.*

German people's yellow pages. Self-description of activities

and style of 1 to 65 lines per entry. Good subject index, e.g. bookshops are divided into general, biodynamic, political, spiritual, shipping agencies—all in the alternative field.

- 46 Archer, John, and Archer, Gerry. *Dirt cheap: The Mud Brick Book*. Birregurra, Victoria, Australia, Compendium, 1976. 90p. One page bibliography, 15 entries.

The authors chose to build their own house in adobe. They had never built anything before and were not skilled with tools in any way. This book tells the experience and gives ideas on: foundations, soil, moulds, mud bricks, laying walls, finishing walls, wiring and plumbing, fireplaces, and heating stoves.

- 47 Architectural Association Rational Technology Unit Report, 1973-1974.

A collection of 13 concise articles on various small scale technical alternatives, and a series of excellent annotated bibliographies and contact lists in the following categories: general; sulphur; rammed earth and soil cement; nutrition and food production; wind power; water power; solar energy; aerobic composting; methane production-anaerobic decomposition; and heat pumps. See also Architectural Association library bibliographies. No. 1 on *Self-Help Housing, Squatters and Housing Association*; and No. 15 on *Solar and Wind Energy*.

- 48 Architectural Association Rational Technology Unit Report, 1973-1974: *Energy Primer's Bibliography*.

Concise bibliography which thoroughly reviews ten basic texts, then gives a 100+ list classified as follows: methane digestion (municipal/industrial); agriculture, wastes; popular overviews and scaled-down designs; biology/chemistry; sludge (analysis; gardening and farming; algae systems—growth, harvesting and digestion; algae systems for methane power; algae for livestock feed; hydroponics); digester privies. Other bibliographies are in the works cited.

- 49 Ardell, Donald B. *High Level Wellness: an Alternative To Doctors, Drugs, and Disease*. Emmaus, Pa.: Rodale Press, 1977. 296p. \$5.95 pap.

"Wellness is an energizing way of life free from life-threatening addictions to doctors, drugs and disease-causing habits." (the author.) Part 4, pp. 215-292, consists of "A Wellness Resource Guide" of about 66 items with ample annotations and commentaries.

- 50 Argue, Robert. *Renewable Energy Resources: a Guide to the Literature*. E1-77-5. Ottawa: Renewable Energy Resources Branch, Dept. of Energy, Mines and Resources, 1978. 29p. annotated.

- 51 Armytage, W. H. *A Social History of Engineering*. rev. ed. Boulder, Colo.: Westview, 1976. bibliog. \$20.

Although this book starts at the beginning, its emphasis is upon the modern period, since 1700, with "especial reference to Britain." Useful bibliography and list of professional institutions in Great Britain, with founding dates. The author pays more attention than most to the social matrix of technology. (Eugene S. Ferguson, *op. cit.*)

- 52 Armytage, W. H. *Yesterday's Tomorrows: a Historical Survey of Future Societies*. Toronto: University of Toronto Press, 1968. 288p. bibliog. pp. 222-265.

"... An excellent survey not only of Utopian literature, but of modern scientific efforts. Although no attempt is made at an orderly bibliographic presentation, about 500 titles are mentioned in the notes, and several hundred additional titles are sprinkled throughout the text." (Michael Marien, *Alternative Futures for Learning*.)

- 53 Arno Press. *Books by and about Women: a Catalog from Arno Press*. With a 1977 supplement. New York, 3 Park Ave., N.Y. 10016. 114p. annotated brochure. Free.

- 54 Ash, Brian. *Who's Who in Science Fiction*. New York: Taplinger, 1976. 220p. \$8.95.

Compact reference book giving the basic information about more than 400 of the leading science fiction writers who have introduced the concept of alternative futures to millions of readers. Includes also editors, artists, and other contributors to the field.

- 55 Asheim, Lester, & associates. *Humanities and the Library: Problems in the Interpretation, Evaluation and Use of Library Materials*. Chicago, Ill.: American Library Association, 1957. \$6.95.

Aims at providing the reader with increased knowledge about the contents of books and the criteria of evaluating them.

- 56 Association of Little Presses, comp. *Catalogue of Little Press Books in Print, 1977*. 4th ed. London: Association of Little Presses. ca. 60p. £.50 plus postage.

This is the fourth edition of the catalog to be published in 8 years. It includes for the first time details on certain members of the Association of Little Magazines. As extra pages and additional information are received, they are added to the catalog. These additional pages are sent for 60 p., which covers the mailing until the next edition of the catalog.

- 57 Auciello, Kay Ellen, comp. *Bibliography of Intermediate Technology Materials Held at the International Development Data Centre*. Atlanta, Ga.: Georgia Institute of Technology, February 1976. 58p. mimeograph.

The publications cataloged as of January 1976 in the IDDC collection are cited.

- 58 Auerback, James D., & Miller, Milton H. *Alternatives to Violence: a Selection of Annotated References Dealing with Peace, War and the Peaceful Resolution of Conflict*. Madison, Wis.: University of Wisconsin, Publications Office, undated. 89p.

A selection of over 300 abstracts of journal articles, books, and unpublished manuscripts. Emphasis is given to other bibliographies and to works dealing with education in peace studies. It is "subjectively skewed" in the direction of items concerned with the peaceful conduct or resolution of conflict, rather than a discussion of methods of avoiding conflict, or creation of situations in which it would not occur. Several items deal with technological choices that enhance conflict.

B

- 59 Baer, Steve. *Sunspots: Collected Facts and Solar Fiction*. 2d ed. Albuquerque, N.M.: Zomeworks Press, 1977. 115p. \$3.

A wide range of material for the backyard solar experimenter. Some essays are highly technical, while others are earthy and humorous. Excellent thinking on energy, not on "how-to-do" but on "how-to-think." Topics include: thermal models, air loop rock storage systems, moveable insulation, sun tracker, driving engine, skyrids, flat plate collectors, and heat pipes.

- 60 Bahr, Howard M., ed. *Disaffiliated Man: Essays and Bibliography on Skid Row, Vagrancy, and*

Outsiders. Toronto: University of Toronto Press, 1970. 428p. bibliog. pp. 94-394.

This book has two main objectives: to facilitate access to an extensive literature on homelessness, chronic inebriety, and related forms of disaffiliation, and to increase the utility of this literature by highlighting its relevance to more general social problems and processes. The annotated bibliography is directed primarily to the first objective; the introductory essays are more pertinent to the second. The annotated bibliography is an attempt to provide, within the limitations of a brief annotation, information about the author's general thesis and conclusions, and for works reporting empirical research, to identify the problem studied, the research site, sample size, methods applied, and major findings. Unpublished studies and materials not available in English translation are annotated in greater detail than other works. Most of the studies cited were conducted in the United States, but there is a substantial representation of Canadian and British studies. The bibliography is divided into: skid row and its men; taverns and bars; and the law.

61 Baker, Kenneth, & Cook, James R. *Biological Control of Plant Pathogens*. San Francisco, Calif.: Freeman and Co., 1974. 433p. bibliog. pp. 349-380. \$12.50.

Wholly devoted to microbial soil ecology. Years of research and observation have led to organization of this knowledge into a thorough treatment of principles and suggestions on practical application. The authors present bio-control as one part of an integrated disease control program, along with cultivation practices, soil treatment, sanitation, host resistance, and mild chemicals. The examples selected to illustrate the operation of biological control are among the best of the large number available.

62 Balandier, G. "Conséquences sociales du progrès technique dans les pays sous-développés. Revue des recherches significatives." *Current Sociology/La Sociologie Contemporaine*. Vol. 3, No. 1, 1954-1955. pp. 5-75. bibliog. pp. 51-73, 276 entries.

Classified and annotated bibliography on the idea of underdevelopment; the social implications of technological change; population structure and social and economic change; transformation of the economic environment; sociological, legal, and political problems associated with technological changes; situations and consequent reactions. English summary pp. 41-46. "Social Implications of Technical Advance in Underdeveloped Countries. Review of Important Research Activities."

63 Baldwin, J., & Brand, Stewart, eds. *Soft-Tech*. Sausalito, Calif.: Whole Earth Catalog, 1978. 176p. \$5. Available from *CoEvolution Quarterly*.

The best reviews and articles on soft technology published in *CoEvolution Quarterly*.

64 Baranson, Jack. *Technology for Underdeveloped Areas: an Annotated Bibliography*. International Series of Monographs in Library and Information Science, Vol. 6. Oxford: Pergamon Press, 1967. 79p. 319 entries.

65 Barber, Bernard. "Sociology of Science: a Trend Report and Bibliography." *Current Sociology/La Sociologie Contemporaine*, Vol. 5, No. 2, 1956. pp. 91-153. bibliog. pp. 116-153, 572 entries.

The classified and annotated bibliography includes: nature of science; historical and comparative materials on the interaction between science and other social factors; science in modern liberal and authoritarian societies; social organization of science; social process of invention and discovery.

66 Bardach, John E.; Rytner, John H.; & McLarney, William O. *Aquaculture: the Farming and Husbandry of Freshwater and Marine Organisms*.

New York: Wiley-Interscience, 1972. 868p. \$16.75 pap.

"... An outgrowth of individual practical experiences in cold, temperate, and tropical regions. Gives an overview of present, and to some extent past, practices of food aquaculture the world over. Reports only what is available in the literature and what workers in the field were willing to tell. Some aquaculture operations are highly competitive, purely profit-oriented ventures and even scientists in them consider some facets of what they do their secrets. Many practices, especially in the developing countries, are not reported in print. Thus, some important items may be missing. The book is restricted to food species and to some mention of their foods, respectively. Ornamental or industrial living aquatic resources have been omitted..." (preface.)

67 *Barefoot Doctor's Manual*. Public Health Service Publication No. (NIH) 75-695. Washington, D.C.: U.S. Department of Health, Education and Welfare. \$9.75. Also published by Cloudburst Press, Mayne Island, B.C., Canada. \$6.95.

This translation of the 1970 *Chinese Barefoot Doctor's Manual* introduces an accomplishment to which any U.S. programs to develop local self-reliant health assistance and self-care will be compared. It contains 960 pages of solid, useful information: understanding the human body, hygiene, diagnosis, therapy, birth control, acupuncture, first aid, treatment of common diseases, and 410 pages on Chinese medicinal herbs. Techniques cover a wide range of traditional Chinese medical practices as well as usual Western medicine. (*Rain* magazine.)

68 Barnett, Richard, & Muller, Ronald. *Global Reach*. New York: Simon & Schuster, 1974. \$4.95.

The details on the claims and the realities of multinational corporations and their destructive effects on both the U.S. and underdeveloped countries that have resulted in worsening conditions in both areas, while exponentially increasing their own power and wealth.

69 Barrau, J. *Environnements Naturels, Sociétés Humaines et Développement au Papua-Nouvelle-Guinée*. Guide bibliographique. Paris: Unité de Documentation et de Liaison sur l'Écodéveloppement de la Maison des Sciences de l'Homme, 1975. 71p. Free.

This bibliographic guide includes an appendix, "Thoughts on certain aspects of the current evolution of New Guinea" by Maurice Godelier. This guide is not meant to be exhaustive, but is intended rather as a documentary and thought provoking point of departure for the study of this country which has chosen "the rural way" to development.

70 Barron, Neil. *Anatomy of Wonder: Science Fiction*. New York: Bowker, 1976. 471p. 1100 entries. \$8.95 pap.

The 4th volume in Bowker's Bibliographic Guides for Contemporary Collections Series, offering critical comments to 1100 works from the beginnings of the genre through 1975.

71 Barth, Erhard. "Fachsprache. Eine Bibliographie." *Germanistische Linguistik*, 3, 1971. pp. 209-363.

Contains an important bibliography to reference tools on the development of the special languages of the arts, techniques, and sciences.

72 Barzun, Jacques & Graff, Henry F. *The Modern Researcher*. 3d ed. New York: Harcourt, Brace and World, 1977. 386p. Further readings pp. 355-367. \$12.95.

Subtitle: An instructive and urbane manual on how to gather and organize facts, check their accuracy, and report the findings simply, clearly and gracefully.

- 73 Bateman, G. H. *A Bibliography of Low-cost Water Technologies*. 2d ed. London: Intermediate Technology Development Group, 1971. 45p. £1.
A brief appraisal of the information assembled by the I.T.D.G. Research Project on Low-cost Water Technologies. The bibliography concentrates on small-scale low-cost water technologies which appear potentially useful in rural areas of developing countries. Sewage and wastewater were not included except incidentally. It is not annotated, but many items are evaluated for their relevance concerning details of simple equipment and low-cost methods.
- 74 Batko, William. *How To Research Your Local Bank*. Washington, D.C.: Institute for Local Self-Reliance, 1976. \$2.
A manual for cities and community residents interested in examining the actions of local financial institutions and the impact they have on local economic development. Explains where and how to obtain information and what it all means. Specifics on things such as control and ownership—how small banks are not created for the sole purpose of making money but rather to facilitate other business ventures of the bank owners, such as real estate development.
- 74a Bauman, Edward; Brint, Armand Ian; Piper, Lorin; & others. *The Holistic Health Handbook: a Tool for Attaining Wholeness of Body, Mind, and Spirit*. Berkeley, Calif.: And/Or Press, 1978. 479p. \$9.95. bibliog. pp. 439-468.
A reader containing nearly twelve dozen short chapters. There are introductions to a.o. acupuncture, yoga, Indian healing traditions, naturopathy, polarity therapy, Bates eye exercises, iridology; self-care chapters on: childbirth, home dental care, visualization, family health, aging, dealing with death. Also includes the legal problems faced by non-traditional healers. The articles are short and well written; the bibliography is descriptive, not critical; adequate index.
- 75 Bayless, Thomasine B. *OSWMP Publishing: Fiscal Years 1967-1974*. EPA/530/SW-112. Washington, D.C.: Office of Solid Waste Management Programs, U.S. Environmental Protection Agency, 1975. 75p. Available from U.S. Government Printing Office.
A year-by-year listing of all publications originating from, or authorized by, the Office of Solid Waste Management Programs. Arranged alphabetically by author or study group.
- 76 Baumer, Jean-Max; Müller, Marlis; Hodel, Hans-Ruedi; Pfister, Wally. *Angepasste Technologien für Entwicklungsländer: Bibliographie*. St. Gallen: Lateinamerikanisches Institut der Hochschule St. Gallen für Wirtschafts- und Sozialwissenschaften, November 1977. 307p.
Has a large amount of UNIDO (United Nations Industrial Development Organization) small scale industry references, solar still references, appropriate technology journal individual references. More than 2000 entries, but many are multiple listings. Other bibliographies pp. 297-307.
- 77 Beaubois, Henry. *Airships: an Illustrated History*. New York: Two Continents Publishing Group, 1973. \$35.
Although this is a profusely illustrated coffee table book, it does present a very interesting coverage of the evolution, design, and details of lighter-than-air craft. Also contains an overview of current experimental projects in various countries that were presented at the London and Paris conferences (1971, 1973). A good intro to lighter-than-air craft.
- 78 Becker, Ann; Eccli, Eugene; & Cook, Cecil, Jr. *Appropriate Technology: a Directory of Activities and Projects*. NSF/RA-770064. Washington, D.C.: National Science Foundation, 1977. 66p. bibliog. pp. 59-66, annotated (see 40).
- 79 Behrman, Daniel. *Solar Energy: the Awakening Science*. Fort Lee, N.J.: Little Books, 1976. 365p. \$12.50.
A journalist interviews scientists and inventors in America, Europe, and Asia to report on "conflicting verdicts and forecasts" that surround solar energy. A lengthy study of developments in flat collectors and photovoltaic systems that should interest scientists and laymen.
- 80 Bell, C., & Amarshi. *Agricultural Mechanization in Asia and Africa: an Annotated Bibliography*. London: ODA/IDS, 1973.
- 81 Bell, Christopher; Boulter, Steve; Dunlop, Derek; & Keiller, Patrick. *Methane, Fuel of the Future*. published by Andrew Singer, The Mil House, Coles Hill, Highworth, Wilts., England, 1973. bibliog. 133 entries. £0.75.
A concise description of existing theory and practice, with some speculation about where it will all lead. Outstanding classified bibliography of 133 items, glossary, and list of periodicals and further contacts.
- 82 Bell, Gwen; Randall, Edwina; & Roeder, Judith E. *R. Urban Environments and Human Behavior: an Annotated Bibliography*. Stroudsburg, Pa.: Dowden, Hutchinson & Ross, 1973. 271p. \$15.
Addressed to designers, planners, architects, and public housing authorities.
- 83 Bellamy, Edward. *Looking Backward, 2000-1887*. With a foreword by Erich Fromm. First published in 1888. In 1897 it was published under the title *Equality*. New York: New American Library, 1960. \$1.50 pap.
Utopian socialist seminal-prophetic novel of a young Boston gentleman who is mysteriously transported from the 19th to the 21st Century, from a world of war and want to a world of peace and plenty.
- 84 Bendavid-Val, Avrom, & Habib, Victor. *Starting Your Own Energy Business*. Washington, D.C.: Institute for Self-Reliance, 1978. 45p.
Provides hard information on the feasibility of establishing energy-related community enterprises. Analyzes 4 industries in depth: energy-related retrofit analysis, storm doors and windows, cellulose insulation, and solar energy. Appendices: helpful lists of organizations, periodicals, solar manufacturers, 24 entries; sources of general help for small business; SBA (Small Business Administration) field office addresses, U.S.; helpful aids for retrofit enterprises.
- 85 Bender, Tom, & deMoll, Lane. *Building Value: Energy Design Guidelines for State Buildings*. Sacramento, Calif.: Office of the State Architect, 1976. \$3.25.
Policy guidelines prepared for the California State Architect, containing a guide to design resources for energywise design, energy conserving landscaping, dry toilets, and economic evaluation. Outlines valuation of buildings to include lifecycle costs, externalized costs, and institutional performance in addition to regular fiscal economics. The State Architect's guidelines for state buildings include lowflush toilets, solar heating, accounting of unused solar energy as lost income to a building, source-stream energy analysis, and landscaping for summer shading of streets and sidewalks. (*Rain* magazine).
- 86 Benedict Network. Russell G. Benedict, Contemporary Issues Collection, University of Nevada Library, Reno, Nev. 89507.
"Russell writes, 'In 1965, I devote myself to the collection of

ephemera, to document the times and their changes—as much for future research as for current use. Not only the prejudices of radicalism, but the moderate views should be on hand. Social trends, movements, and views are best judged by examining the arguments pro and con. Here, they are documented as thoroughly as possible. The great amount of duplicate material which soon piled up, ought to be exchanged for some other collection's spares. So was born the "free exchange" idea upon which our network is based: exchange without bookwork and without consideration of relative quantities. Duplicates and unwanted items received by each member are mailed to me for redistribution. In the Network there is also a flow of information, advice and various favors in the form of correspondence and my newsletter *Top Secret* (so named when it had only four readers). Here is printed information about new sources of materials, either as a result of input by members or my own evaluations of newly received materials. It also includes background information on the sources, news of members and their work, and personal notes. *Top Secret* goes gratis to members and friends of the Network, and to some paying subscribers. There are two or more issues per month. Now interrupted and continued by the *Collectors' Network News*, Madison, Wisconsin. Below, a few descriptions, by people engaged in the Network, of the collections of social and political ephemera which are now developing in libraries . . . They represent about half of the growing number of collectors associated with Benedict through his informal, free exchange of materials and information related to the contents and methods of ephemera collecting and collections.

Some titles from Benedict Network Collection:

Social Protest Project. Gerda Maskaleris and Gerald Simerman. The Bancroft Library, University of California, Berkeley, Calif. 94720.

The Social Protest Project at The Bancroft Library, UC Berkeley, is a collection of ephemera covering all phases of dissidence and social change since 1960, strongest in Bay region activist material—radical political movements, the anti-war movement, women's liberation, and ethnic minorities. Much material is gathered from the now famous Sproul Plaza. (Berkeley: Sproul Plaza Spillover) still a busy place where noon rallies are held and where radical and not-so-radical groups engage passersby in conversation, solicit donations and names for mailing lists, and hand out leaflets with alacrity. In addition the Project gets literature from groups in the city of Berkeley, through mail from groups in other parts of California, the nation, from overseas, and on occasion from private collectors. Excluded from the Social Protest Project ephemera collection, by definition, are monographs and substantial serials which are selected by and retained in the General Library; but the Project collects and retains "fugitive" serials that may have short runs. Also retained are "serial samples": newspapers or magazines for which subscription has been rejected by the General Library and/or for which regular procurement is not possible. Besides leaflets, position papers, serial samples, and the like, we collect, to a limited extent, materials such as posters, comic books, and buttons.

New Left Collection. Edward J. Bacciocco, Jr., Hoover Institution, Stanford University, Stanford, Calif. 94305.

A systematic effort has been made to include in the New Left Collection the position papers, policy statements, newspaper publications, and journals that best reflect the "Movement's" history and development from 1960 to the present. With the dismemberment of SDS (Students for a Democratic Society) in 1969, the pulse of the New Left could be measured by a comprehensive study of the contents of underground newspapers. Consequently, the New Left Collection has made a concerted effort to subscribe to those tabloids across the country that seem to provide an accurate political assessment of the Movement as a whole. The number of newspapers coming in fluctuates from as few as 75 to as many as 130, depending on the degree of political activity by the New Left at a particular time.

Social Movements Collection. Lauren C. Stayton, Steve Squire, and Charlie Finn, Alderman Library, University of Virginia, Charlottesville, Va. 22901.

Hard-to-find materials representing the complete spectrum of social movements in America. The collection was to encompass newspapers, pamphlets, flyers, posters, banners, etc., and even manuscripts. More by accident than by design, the collection contains a respectable amount of material dealing with the South in the late 1960s. It has the most complete file on the student strike of 1970—posters, broadsides, occasional newsletters, and so on. Underground newspapers flourished briefly in the South, and the collection has at least partial files on almost all these papers. They include the *Great Speckled Bird*, *Virginia Weekly*, *Alice*, *Richmond Chronicle*, *Kudzu*, and *Space City*. Except for the *Bird*, most of these have folded; and thus our files are of some archival significance. Military underground papers from Fort Knox, Fort Eustis, Fort Lee, and other southern bases are also represented in the Collection.

Tamiment Library. Dorothy Swanson, New York University, Bobst Library, 70 Washington Square, South, New York, N.Y. 10012.

The Tamiment Library's pamphlet collection on labor, socialism, communism, and related topics numbers 30,000 separate items. The files that were built up on all the major left wing organizations, recently expanded to include the New Left, now fill approximately 40 filing cabinets. New categories have been opened up in these files to include groups involved in the G.I. movement, women's liberation, the Black Panthers, communes, the free school movement, and assorted other civil libertarian groups.

Dissent Collection. Rosemary Hamilton, Olin Library, Washington University, St. Louis, Mo. 63130.

The Dissent Collection of Washington University's Olin Library was begun in the spring of 1969. The scope of the collection is the periodical, pamphlet, and ephemeral literature of current political protest movements of the left and the right. Collecting includes publications by antiwar and pacifist groups, student protest movements, activist minority and civil rights bodies, as well as by traditional ultra-conservative organizations and groups promoting racism and strict constructionism. Most holdings are of United States material, but some foreign countries and occasionally foreign languages are represented. Periodical materials are kept approximately one year, then are bound and catalogued, discarded or sent elsewhere, depending on perceived usage and eventual research value.

Political Ephemera Collection. Wilbur E. Meneray, Special Collections Department, Tulane University Library, New Orleans, La. 70118.

A student in political science specializing in extremist groups, Moore actively solicited materials from a wide variety of organizations on both ends of the political spectrum. In part, he moved the collection away from its local emphasis. Through his efforts and through the network coordinated by Russell Benedict, Tulane's collection now has information on over 1000 organizations. Although nearly one-half the collection is either right wing literature or local in nature, it is nevertheless international in scope and has six main divisions: right wing, left wing, Louisiana campaign, foreign, and alternative culture. The Ephemera Collection is a research aid complementing other sources of information, rather than serving as a self-contained base for research.

Freedom Center. Lynn M. Coppel, California State University Library, 800 North State College Boulevard, Fullerton, Calif. 92631.

The *Freedom Center* at California State University, Fullerton, was established in 1964 as a collection of controversial political pamphlets and materials, and of the literature of grass roots politics and social organizations. The collection, reflecting our geographical location, is heavily right wing; as the acquisition policy becomes more aggressive, however, it

will more than likely balance out. We have launched a program to interest community groups in collecting clippings and pamphlets on items of local interest; hopefully, this program will enrich the collection of grass roots political and educational systems.

Alternatives in Contemporary Issues Collection. Thomasine Kleffen, North Las Vegas Library, 2300 Civic Center Drive, North Las Vegas, Nev. 89030.

The focus of our collection is on liberation movements and the politics of the right and left that affect them; not out of abstract "interest," but because we feel the public library should accept the responsibility of supporting the literature of such movements. The alternative press is not the sole province of the researcher; it can be made available to the worker, the dropout, politician, single mother, high school student, and so on. The public library can stimulate interest in these movements and encourage use of the materials by a clientele with a variety of motivations. Many of the better known journals presenting various views on liberation are routinely on our shelves. While our collection can be as useful, presumably, to those for or against the movements, no particular effort will be made to achieve a "balance."

Alternative Press Collection. Richard Akeroyd, Wilbur Cross Library, University of Connecticut, Storrs, Conn. 06268.

The Alternative Press Collection has been designed to make readily available current, first-hand information resources on the movements toward new or alternative political and cultural bases in America, particularly as the many movement voices have expressed themselves since the mid-1960s: it has been organized for continuing development as a major source for research in this area. As social and moral issues related to these alternative movements rise, flourish, die out, or change, so is the size and scope of the collection altered. The broadest areas of interest and opinion are represented, ranging from alternative life styles, free schools, prison reform, draft resistance, ecology, religion, and rock music to student activism and alternative uses of media, including film, videotape, television, and radio. Also represented are the black, American Indian, Chicano, and Puerto Rican liberation movements; the G.I., high school, women's and gay liberation movements; as well as white power, anti-communist, libertarian, neo-Nazi, and anarchist organizations.

Social Documents Collections. Robert A. McCowan, Special Collections Department, University of Iowa Libraries, Iowa City, Ia. 52242.

The Social Documents Collection of the University of Iowa Libraries is a large assemblage of materials published by conservative organizations, groups generally considered to be to the right in the political spectrum. Originally called the "Tensions File," the collection was started in 1945, and contains periodicals, pamphlets, flyers, radio broadcast scripts, handbills, leaflets, bulletins, news sheets, correspondence, phonograph records, bumper stickers, and even some tea bags put out by the Tax Rebellion Committee of Los Angeles County. Because libertarians occasionally share ideas with conservative groups, some libertarian periodicals such as *The Objectivist*, *The Ayn Rand Letter*, *The Rampart College Newsletter*, and *The Freeman* can be found in the library. Particularly well represented in the collection are periodicals issued by religious organizations with a strong conservative or anti-communist political viewpoint. Such periodicals would include *Common Sense*, *Twin Circle*, *Western Voice*, *Christian Anti-Communism Crusade Newsletter*, *Christian Beacon* and *Christian Crusade*. The researcher will find material on such topics as integration, taxation, states' rights, fluoridation of water, socialized medicine, and the United Nations. Conservative organizations that are particularly well represented include Minutewomen of the U.S.A., Young Americans for Freedom, and the National States' Rights Party. There are 530 manuscript boxes and 12 file drawers of serial publications and 16 file drawers of non-serial publications such as pamphlets. About 3000 organizations are represented in Social Documents. Finally, the collection

regularly receives over 140 periodicals. (From Richard Akeroyd and Russell Benedict, *A Directory of Ephemera Collections in National Underground Network*, *Wilson Library Bulletin*, November, 1973, pp. 236-254.)

87 Benello, George C., & Roussopoulos, Dimitrios, eds. *The Case for Participatory Democracy: Some Prospects for a Radical Society*. New York: Penguin, 1972. 386p. \$2.95.

... By definition, a participatory democracy cannot be imposed from above, but must be built from the ground up. Three things are essential for this kind of growth: 1) a viable social and historical tradition, 2) a set of men capable of working from that tradition in 3) small groups that are themselves participatory. Woodcock's essay explores participatory democracy's historical roots. Calhoun shows that emerging psychological theories, which attack the cynical view that men are selfish and incapable of self-government, make a society of participation possible. Benello offers insights into the dynamics of face-to-face groups, and shows how they can be the building blocks of a new society... (preface). Other contributions by Murray Bookchin, Colin Ward, Greg Calvert, Stewart E. Perry, and others.

88 Bercoff, André. *L'Underpress*. Paris: Cavanna, Charlie Hebdo. 330p. 33.00 fr.
A panorama of the underground press, well documented.

89 Berger, Peter; Berger, Brigitte; and Kellner, Hansfried. *The Homeless Mind: Modernization and Consciousness*. New York: Random House, 1974. \$2.45 pap.

The authors use their phenomenological theoretical framework of a sociology of knowledge to explore the characteristics of modern consciousness. They identify alternatives, but do not recommend them because the implications of the corresponding alternative policies seem unacceptable to them.

90 Bergeret, A.; Godard, O.; Morales, H. L., & others. *Nourrir en harmonie avec l'environnement: Trois études de cas*. Paris/La Haye: Mouton, 1977. 298p. bibliogr. pp. 107-115; 198-212; 291-298.

Ecotechniques and new techniques for the development of crop land and forest in humid tropical regions; aquaculture and ecodevelopment; new approaches to food production.

91 Bergvall, John; Bullington, Darryl C.; & Gee, Loren. *Wood Waste for Energy Study: Preliminary Literature Review*. Olympia, Wash.: State of Washington Dept. of Natural Resources, 1978. 247p. Free.

The first segment of an ongoing wood waste study in the state of Washington. The *Literature Review* is compiled from both published and unpublished studies on wood residues as energy sources. Also included are sources for related materials on the subject. Work at the regional and national level is identified and annotated.

92 BERMAN, Sanford. "Alternative Library Lit: Publications of the 'Small Press' Movement in Librarianship." *Library Journal*, January 1, 1978. pp. 23-25. bibliog. 22 entries, well annotated.

Essentially related to social change and libraries and alternative librarianship, but also includes *ALA/SRR Task Force on Gay Liberation and Sex is a Touchy Subject: a Bibliography*.

93 Berndt; Kesselman; & Williamson. *Tax Credits for Employment rather than Investment*. Madison, Wis.: University of Wisconsin, Institute for Research on Poverty, 1975.

Present subsidies to large scale, capital- and energy-intensive industry are substantial and contribute to both

unemployment and overproduction of goods in an era of limited resources. Employment tax credits rather than investment tax credits assist substitution of employment for capital and energy, while the removal of all tax credits results in less promotion of unnecessary production. This study finds that removal of investment credits lessens capital demand and probably causes a net increase in employment as well as a shift to greater blue collar employment. Various employment credits with the same cost as present investment credits would provide 0.5 to 1 percent increases in employment, 1 to 6 percent less need for capital and 0.5 percent increase in prices of output (which would be more than balanced by lower unemployment costs). (Rainbook.)

94 BESTOR, Arthur. *Backwoods Utopias: the Sectarian Origins and the Owenite Phases of Communitarian Socialism in America: 1663-1829*. American Historical Association. Philadelphia: University of Pennsylvania Press, 1971. 288p. Bibliographic essay pp. 245-268. \$4.95 pap.

The bibliographic essay in combination with the footnotes throughout the book make this a review of one of the key alternative traditions of American social thought.

95 Bhalla, A. S. *Technology and Employment in Industry*. Washington, D.C.: International Labor Office, Washington Branch, 1975. \$14.95.

This collection of specific, detailed case studies of industries and industrial processes in many countries demonstrates that a considerable range of technologies exists for industry, even in "core" processes. Such alternatives provide significant latitude for different mixes of employment, machinery, materials and energy within economically competitive costs. Options are thus available that can simultaneously reduce unemployment, respond to the increasing capital shortage, accommodate increasing energy and material prices and provide mechanisms for reducing externalized costs such as transportation and unemployment compensation. Lack of awareness of alternatives by business leaders is shown to be a dominant obstacle to business adapting cost effective changes to more job-producing, energy-saving processes. (Rainbook.)

Bhalla, A. S. *Technologie y empleo en la industria: Estudios de caso*. Ginebra: Oficina Internacional del Trabajo. 1975. 357p. 37,50 fr. suizos.

96 *Bicycles: a Bibliography with Abstracts*. No. PS-75/074/5GA. Available from NTIS, Springfield, Va.

Contains 41 citations over the period 1964 to October 1974 to research reports concerned principally with bike safety and accidents. Also includes bikeways, traffic laws, and physiological effects of using the bicycle for exercise.

97 *Bicycling and Bicycle Trails: a Trails and Trail Based Activities Bibliography*. No. PB-199-532. Department of the Interior, June 1971. Available from NTIS, Springfield, Va.

An annotated bibliography on bike technology, safety, and bikeway planning. Fine, but out-of-date considering the information explosion since 1971.

98 *Bio-Energy Directory*. Washington, D.C.: The Bio-Energy Council, June 1978. \$24.

Presents one-page reports of more than 200 bioenergy programs in the public and private sectors. Entries include summaries of operations, financial commitments by sponsors, names and addresses of organizations and personnel for: systems for producing and harvesting renewable biomass (organic materials formed by photosynthesis); techniques for burning biomass to generate useful energy; and processes involving a wide variety of microbiological and thermal procedures for converting organic materials into nonpolluting biofuels and valuable by-products.

99 Biomass Energy Institute. *International Biomass Energy Conference Proceedings*, Winnipeg, Canada, May 13-15, 1973. \$12.

The proceedings cover many aspects of bioconversion, including: production of single cell protein; mass cultivation of algae; the effects of biomass byproducts on the environment, and dissociation of biomass by plasma generators. A wealth of information from an interesting source. The state of the art at the time of publication.

99a Biswas, S. C., ed. *Gandhi: Theory and Practice, Social Impact and Contemporary Relevance*. Proceedings of a Seminar held at the Indian Institute of Advanced Study, October 13-26, 1968. Simla: Indian Institute of Advanced Study, Aug. 1969. 635p.

Gandhi admitted large-scale technology in his model only in those sectors where it was unavoidable. He wanted the use of machinery to be subject to many important constraints. It should not destroy village crafts. It should not increase economic inequality, and it should not displace manual labour. He visualised "electricity, ship-building, iron works, machine making and the like side by side with village handicrafts . . . Hitherto industrialisation has been so planned as to destroy the villages and village crafts. In the State of the future it will subserve the villages and their crafts. . . I can have no consideration for machinery which is meant either to enrich the few at the expense of many, or without cause to displace the useful labour of many. . . I am aiming not at eradication of all machinery, but its limitation. The supreme consideration is man." (p. 236.)

100 Black, Stanley W, III; King, Robert G.; & Canner, Glenn. *The Banking System: a Preface to Public Interest Analysis*. Washington, D.C.: The Public Interest Economics Center, February 1975. 458p.

This report gives an overview of banking activities, the dangers of the concentration of economic power they represent, detailed data on holdings of bank trust departments in selected industrial areas and other aspects of intercorporate control. A guide for the citizen seeking to limit the exploitation of neighborhoods through banks.

101 Blaisdell, Ruth F.; Booser, Ronald J.; Dechief, Helene, & others. comps. *Sources of Information in Transportation*. Published for the Transportation Center at Northwestern University by The Northwestern University Press, 1964. 262p. 1709 entries.

Contents: general sources, highways, motor carriers, metropolitan transportation, railroads, pipelines, merchant marine, inland waterways, air transportation, missiles and rockets.

102 Blake, John Ballard & Roos, Charles, eds. *Medical Reference Works, 1679-1966: a Selected Bibliography*. Chicago: Medical Library Association, 1967. 343p. 2703 entries. \$10.

"Supersedes the bibliographies published as part of the 2d ed. (1956) of the Medical Library Association's *Handbook of Medical Library Practice*. Lists more than 2700 titles in classed arrangement within 3 main sections: medicine, general; history of medicine; and special subjects. Titles have been selected for their usefulness in answering questions in bioscience libraries; titles especially useful for smaller medical libraries are marked with an asterisk. . . . handbooks and treatises in the basic sciences and clinical medicine have only rarely been included." (Preface) Brief annotations." (Eugene Sheehy, comp., *Guide to Reference Books*, p. 801.) The key to the main door of any medical library.

103 Blanc-Pamard, Chantal. *Recension des diverses approches "écologiques" des systemes géographiques et des sociétés*. Paris: Centre National

de la Recherche Scientifique et Maison des Sciences et de l'Homme, 1977. 100p.

This study critically assesses and analyzes research orientations related to what is known as "Human Ecology." The author has selected 150 texts, articles and longer works, from existing literature in 1975, reflecting the spectrum of scientific approaches. The omission of certain works is regrettable, as is the prominence given to certain texts which appear to be closer to C. Blanc-Pamard's own preoccupations. A long analysis of the larger disciplinary orientations and concepts is provided in the first part of this study. The ecology of naturalists, geography, anthropology, ethnology, ethnobotany, physical anthropology, and urban ecology are successively considered. The appendix provides definitions of current ecological terms based on the literature studied.

104 Block, Donn. *Environmental Aspects of Economic Growth in Less Developed Countries: an Annotated Bibliography*. Paris: Development Centre of the Organisation for Economic Co-operation and Development, July 1973. 111p.

430 books, articles, and reports annotated. The bibliography was prepared immediately after the 1972 Stockholm U.N. Conference on the Human Environment.

105 *A Blueprint for Survival*, ed. by *The Ecologist*. Harmondsworth: Penguin, 1972; New York: New American Library, 1976.

"An attempt to plan a decentralised society not primarily out of preference but the sheer necessities imposed by environmental and resource constraints—a dimension missing in nearly all other treatments. One can quibble with it politically, but it is a valuable contribution." (Peter Harper)

106 Bockris, J. O. *Energy: The Solar-Hydrogen Alternative*. New York: Halsted Press, 1976. 365p. \$27.50

More than 100 years ago, Jules Verne had Captain Nemo say that water would be the origin of the fuel of the future. Here Bockris discusses such a future: solar-powered electrolytic production of hydrogen, the "clean fuel." A far-ranging technical study. (Note: for shorter, less expensive reviews of the hydrogen idea, see *Annual Review of Energy*, Vol. 1, or Ruedisili's *Perspectives on Energy*.) (Frank Doble.)

107 Bollier, David. *How To Appraise and Improve Your Daily Newspaper: A Manual for Readers*. Washington, D.C.: Disability Rights Center, 1978. 90p. \$5. individuals; \$10. institutions.

This manual is divided into three sections. The first discusses the role and power of the press, the structure of the industry, and the need for diverse voices speaking on a wide variety of public issues. Section 2 outlines several ways in which a newspaper can formalize its accountability to its local readers. The third section describes "how citizens can conduct a comprehensive critique of their paper's performance." It offers some ways to assess the adequacy of state and local, national, and international news; consumer news; sports coverage; the editorial and "op-ed" pages, economic news; food and real estate sections; and the paper's financial resources.

108 Boner, Marian O. *Poverty and Housing: a Selected Bibliography*. Council of Planning Librarians, Exchange Bibliography No. 128, May 1970. Monticello, Ill.: Mary Vance, editor. 5p., 70 entries. \$1.

26 items are U.S. government papers on housing legislation, city programs, and national housing policy. Unannotated.

109 Bookchin, Murray. *The Limits of the City*. New York: Harper Colophon Books, 1974. 147p. \$2.75.

"... I would call *The Limits of the City* a dialectical work that deals with cities of the past and present as phases or moment of a larger urban process, a process in which the

potentialities of urban development are internally unfolded, enriched, and reach their ultimate negation in the modern metropolis. The main purpose of this book is to enable the reader to see this process—the internal connections between different periods of urban history . . ." (preface.)

110 Bookchin, Murray. *Post-Scarcity Anarchism*. San Francisco, Calif.: Ramparts Press, 1971; London: Wildwood House, 1973. 288p. \$2.95.

A book of vintage Bookchin, containing a number of celebrated essays, including "Towards a Liberatory Technology," "Ecology and Revolutionary Thought," and "Listen, Marxist!"

111 Borsodi, Ralph. *This Ugly Civilization*. Reprint of 1929 edition. American Utopian Adventure Series. Philadelphia, Pa.: Porcupine Press, 1975. \$17.50.

This book lays out Borsodi's basic philosophy, emphasizing the waste inherent in the factory system and in the tendency to concentrate production far from consumer markets.

112 Bosquet, Michel. (Gorz, André). *Écologie et Liberté*. Paris: Editions Galilée, 1977. 114p.

"Socialism is not better than capitalism if it uses the same tools. It is not immunized against technofascism. It could fall easily into it while perfecting the power of the state without favoring at the same time the autonomy of the communities. The expansion of this autonomy is at the center of the ecological exigency."

113 Bosquet, Michel. (Gorz, André). *Écologie et Politique*. Paris: Ed. du Seuil, Collection Points-Politique No. 89, 1978. 256p. 14,50 fr.fr.

An updated pocket book edition of a collection of essays first published in 1975 by Galilée. Includes *Écologie et Liberté*.

114 Boston Wind, ed. *Wind Power and Appropriate Technology in New England: a Bibliography*. Boston, Mass.: Boston Wind Inc., June 1977. 2p. \$2.

The 24 entries briefly annotated, include name, address, description of aims and activities of 15 research and resource groups.

115 Boston Women's Collective. *The Women's Yellow Pages*. Boston: Boston Women's Collective. 490 Beacon St., Boston, Mass. 02115. \$1.50.

Offers information on welfare, health care, aging, children, etc. . . . as well as specific listings of Boston area resources.

116 Bottle, Robert Thomas & Wyatt, H. V. *The Use of Biological Literature*. 2d ed. Woburn, Mass.: Butterworths, 1972. 379p. \$24.95.

"First edition, 1966. Twenty articles describing primary sources of biological information and the indexing and abstracting services providing access to them. In this edition chapters have been added on ecology, genetics, and experimental aspects of botany, and there is a new section on machine-searchable tapes and services. British sources are emphasized. Includes a list of important abbreviations, special U.K. collections, and exercises in the use of cited tools. Subject and title index." (Eugene Sheehy, *op. cit.* p. 718.)

117 Boulding, Elise, & Passmore, R. *Bibliography on World Conflict and Peace: Bibliography Project, Institute of Behavioural Sciences*. Boulder, Colo.: University of Colorado. 70p. \$2.50. Out-of-print, new edition: Fall 1978.

Scholarly writings in the field of conflict and peace studies. Lists bibliographies.

118 Bourgoignie, Georges-Edouard. *Perspectives en écologie humaine*. *Encyclopédie universitaire*.

Paris: Editions Universitaires, 1972. Bibliog. pp. 271-280.

- 119 Bovy, Philippe H. *Pedestrian Planning and Design: a Bibliography*. Council of Planning Librarians. Exchange Bibliography No. 918, November 1975. Monticello, Ill.: Mary Vance, editor. 34p. c. 441 entries. \$3.50.

Contains a seven-page presentation of the bibliography which is divided into bibliographies, pedestrian issues in an urban environment, pedestrian transportation, pedestrian behaviour and flow characteristics, walk trip surveys, pedestrian accidents, safety and protection, pedestrian travel demand and modeling, mechanical movers, pedestrianized environments, and pedestrian planning and traffic restraint in cities of developing countries.

- 120 Bower, Barbara; Dixon, Cathy; Gorham, Lucy; & Parker, Jennifer, comps. *Seattle People's Yellow Pages*. 1978. Ed. by Kathy Reichgerdt. Seattle, Wash.: Metrocenter. 1978. \$3.

Some headings are: communication, printed and others; community groups; economic survival; alternative schools, emergency services, environmental groups; eating and thinking places; gay, handicapped, political action; recycling; and many others.

- 121 Boyd, John, comp. *Tools for Agriculture: a Buyer's Guide to Low-Cost Agricultural Implements*. 2nd ed. London: Intermediate Technology Development Group, 1977. 173p. £4.50, \$12.

Identifies more than 300 manufacturers of various types of simple, low cost agricultural implements all over the world. The 14 sections of the book are classified by type of farming operation, and in each case a few notes are provided outlining the types of equipment available. Contains essential information for farmers, smallholders, extension officers, and agricultural departments. The scope of this edition has been considerably widened to include not only far more manufacturers and implements, but also relevant equipment powered by small engines. (The inclusion of an item does not imply that it is recommended by I.T.D.G.; information is provided for making judgments on the alternative equipment available.)

- 122 Boye, David. *Step-by-Step Knifemaking: You Can Do It*. Emmaus, Pa.: Rodale Press, 1977. 352p. \$10.95; \$7.95 pap.

"Boye shows how to make knives either as a hobby or as the foundation of a profitable business. For beginners it is an encouraging introduction and those more advanced will find it an excellent refresher course and a useful reference work. Each knifemaking step is carefully explained and accompanied by detailed photographs and illustrations. Complete sections are included on cutting out steel for the blade; grinding and tempering; etching blade designs; sharpening, and polishing; making the handle; constructing sheaths; and production hints." (Rodale Press catalog.)

- 123 Boyle, Godfrey. *Living in the Sun: Harnessing Renewable Energy for an Equitable Society*. London: Calder & Boyars, 1975. 127p. bibliog. pp. 117-127. £1.95.

If we should use the obvious and readily accessible sources of life itself—the sun, wind, water, and vegetation, not only would the sensible exploitation of these infinitely renewable energy sources be cheaper, they would be more easily recycled, often more efficient, and certainly more accessible than fossil fuels. They would also "provide a far firmer foundation for liberty, equality, and fraternity among mankind than the energy products purveyed by the present oligopolistic cartels, both capitalist and state-capitalist." Godfrey Boyle provides a guide on how to build machines that will successfully harness the energy sources, how to maintain them, how to get the best use out of them, what it costs to install and run

them, and finally to what extent they can be efficiently used in conjunction with fossil fuel products such as gas and electricity. The bibliographical guide to further literature and sources of supply of components and their approximate costs adds to the practicality of this thesis.

- 124 Boyle, Godfrey; Harper, Peter; & the Eds. of Undercurrents. *Radical Technology: Food and Shelter, Tools and Materials, Energy and Communications, Autonomy and Community*. London: Wildwood House; New York: Pantheon, 1976. 304p. bibliog. pp. 267-296. \$5.95.

"... a book about technologies that could help create a less oppressive and more fulfilling society. It argues for the growth of small-scale techniques suitable for use by individuals and communities, in a wider social context of humanized production under workers' and consumers' control... What is needed in the factories is not change of technology but of products, work-patterns, and control; we want to show alternatives which will partly replace factory production... The book ends with a lengthy bibliographic essay and directory of heroes, practitioners, critics, wild ideas, and almost-sober intentions." (preface.)

- 125 Bradley, Richard C. *The Costs of Urban Growth: Observations and Judgments*. Citizens Advisory Committee, Regional Issue Study Report. Colorado Springs, Colo.: Pikes Peak Area Council of Governments, July 1973. 55p.

Presents quantitative information on the costs of urban growth. A comparison of the costs and benefits of living in various sized cities, and in cities growing at various rates. The bigger the city, and the faster it grows, the higher the taxes, the costs of housing and services, and the crime rate. Smaller cities and slower growth were shown to be associated with more open space, hospital beds, library capacity, and school space per person.

- 126 Branch, Melville C. *Comprehensive Urban Planning: a Selective Annotated Bibliography with Related Materials*. Beverly Hills, Calif.: Sage Publ., 1970. 477p. 1499 entries.

- 127 Brewis, Francis, comp. *Bibliography on Health Planning in Developing Countries*. Occasional Guides No. 10. Brighton: Institute of Development Studies Library, University of Sussex, 1975. 42p. 68 annotated entries. £.80.

The 14-page introduction is divided into: the transfer of technology, the intermediate technology approach, and the search for alternatives; it has 46 bibliographic footnotes. Practically all the books and articles annotated have appeared in the last ten years.

- 128 Bricolo Lezardeur. *La face cachée du soleil: Energie solaire et architecture*. Paris: Bricolo Lezardeur, 1974. 73p. 13,00 fr.fr.

Contents: The sun: radiation, sunlight, role of the atmosphere, measurement of sunlight, micro-climate, water heating, cooling, distillators, etc. . . . Solar homes, critics, space organization, internal morphology, waste, etc.

- 129 *British Union Catalogue of Periodicals*. A record of the periodicals of the world, from the seventeenth century to the present day, in British libraries. 4 vols. Ed. by National Central Library. Repr. of 1968 ed. Hamden, Conn.: Shoe String. \$180. set.

Lists more than 140,000 titles contained in about 440 libraries with indication of holdings. Includes many periodicals not in the *Union List of Serials* and the difference in form of entry makes possible a different approach in identifying titles. The *Supplement 1, to 1960* was published in 1962, 991p. \$50.

- 130 Brockman, John, & Rosenfeld, Edward, eds. *Real Time 1 and 2*. New York: Anchor Press, 1973.

Source books of ideas and information provide an interdisciplinary approach to change oriented information. Through excerpts from original sources, *Real Time* offers in smorgasbord form a collection of stimulating information on "who, what and where we are." The index includes communication, human systems, mind, science and technology, trends, new perceptions, people.

- 131 Brode, John. *The Process of Modernization: an Annotated Bibliography on the Sociocultural Aspects of Development*. Cambridge, Mass.: Harvard University Press, 1969. 378p. \$15.

Divided into three major categories: general, industrialization, urbanization, and rural modernization. Each major category is divided into: theory, case studies, general studies, socioeconomic studies, and bibliographies. The annotations only attempt to indicate the cause of the change that has occurred and its effects. Author and area indexes.

- 132 Brodine, Virginia. *Radioactive Contamination*. Environmental Issues Series. New York: Harcourt Brace Jovanovich, 1975. 190p. \$4.95. pap.

Identifies and describes the wide array of hazards created by the introduction of man-made radioactive agents into the environment. The emphasis is on nuclear energy with some discussion of nuclear weapons.

- 133 Brown, Lester R. *The Twenty-Ninth Day: Accommodating Human Needs and Numbers to the Earth's Resources*. New York: Norton, 1978. 363p. bibliog. pp. 345-350. \$3.95.

In this analysis of the four principal biological systems on which humanity depends—fisheries, forests, grasslands, and croplands—the author shows that the demands at current levels of population and per capita consumption often exceed the long-term carrying capacity. He documents the overfishing, deforestation, and overgrazing that are gradually undermining human life support systems.

- 134 Bruchey, Stuart, ed. *Use and Abuse of America's Natural Resources*, 41 books. *American Environmental Studies*, 42 books. A catalog from Arno Press, 1975. 23p. 83 annotated entries. Free.

The first collection of 41 books provides historical specifics about the depletion of resources that are essential to clarify the current environmental debate. The books reprinted are careful studies by scholars, descriptions of historical practices, or warnings of things to come. Special emphasis has been placed upon the legal framework in which alienation occurred, and abundant evidence is presented both of the abuse of laws and the awareness of that abuse that led to protest, efforts at conservation, and legal rectification. The second collection of 42 books contains facsimiles of out-of-print classics which deal with ecological themes. The books, which range in original publication date from the 18th well into the 20th Century, lend historical perspective to current public debate.

- 135 Brunn, Alice Lefler. *How To Find Out in Pharmacy: a Guide to Sources of Pharmaceutical Information*. Oxford/New York: Pergamon Press, 1969. 130p. \$6.95 pap.

... The purpose of this book is twofold: to provide an introduction to the libraries and the literature of pharmacy for pharmacy students, and to provide a reference guide to the literature for advanced pharmacy students, practising pharmacists, other practising medical personnel, librarians, and interested laymen with specific questions. It is not intended to be a bibliography, although by its nature it is a selective bibliography on pharmacy. In general, only English language books are included, but bibliographies and indexing and abstracting services for periodical articles are included, and

ways of finding periodical articles and the periodicals themselves are discussed. Library research methods have been stressed so that one can use these same principles to find further references . . ." (preface.) Indispensable for historical research.

- 136 Buber, Martin. *Paths in Utopia*. Boston, Mass.: Beacon Press, 1958. \$3.95 pap.

An erudite discussion of the basis of utopian thought and its moral and social necessity.

- 137 Bulfin, Robert L., & Weaver, Harry L. *Appropriate Technology for Natural Resources Development: an Overview, Annotated Bibliography, and a Guide to Sources of Information*. Arid/Semi-Arid Natural Resources Program. Tucson, Ariz.: University of Arizona, 1977. 167p. 315 annotated entries.

- 138 Bundy, Mary Lee, ed. *Guide to the Literature of Social Change*. Vol. 1. College Park, Md.: Urban Information Interpreters, 1977. 108p. \$9.95.

An excellent reference acquisitions tool "prepared especially for libraries to enhance their capacity to know about, obtain, and make available to people the published tools available to support social change." The *Guide* contains information on: publications on social change, fund raising, general resource guides to specific issue areas. The strategies include public education, litigation, legislative action, alternatives. It emphasizes "two problem categories 1) the social reform movement around issues directly affecting people: rent, rising utility prices, health costs and food prices, repressive tax structure and the lessened value of the dollar; 2) the thrust for equality, most crucially the plight of people who are poor, i.e. without any means of earning a decent livelihood."

- 139 Burack, Richard, & Fox, Fred. *The New Handbook of Prescriptions*. New York: Ballantine Books, 1975. \$1.95.

A 1975 version of the original 1967 guidebook for finding out where and how to get the best value for the prescription dollar; what drugs to avoid and how to evaluate different generic and name brand drugs and which to choose.

- 140 Burg, Nan C. *An Annotated Bibliography of Solar Energy Research and Technology Applicable to Community Buildings and Other Non-Residential Construction*. Council of Planning Librarians, Exchange Bibliography No. 1263, April 1977. Monticello, Ill.: Mary Vance, editor. 29p. c.94 annotated entries. \$3.

- 141 Burke, Barbara, & Meroney, Robert. *Energy from the Wind: Annotated Bibliography*. Basic Volume, August 1975. First Supplement, April 1977. Fort Collins, Colo.: Solar Energy Applications Laboratory, Colorado State University, 1977.

Contains nearly 1900 references on wind power. It covers everything, year-by-year, from articles by laymen to dense theory. An author-year index is included. Highly recommended by the editors of *Rainbook*.

- 142 Burke, John Gordon, & Reddig, Jill Swanson. *Guide to Ecology: Information and Organizations*. New York: Wilson, 1976. 292p. \$12.50.

Lists citizen action guides, 14 entries; indexes and abstracts, 6; reference books, 56; histories, 11; monographs, 504; government publications, 20; nonprint media—films, slides, tapes, games—44; periodicals, 19; private organizations, 38; libraries, 23; research organizations, 28; environmental consultants, 60; government officials, 66; directory of publishers and distributors; and has an index. Mentions mostly pub-

lications by established publishers and only a very few little press publications.

- 143 Burns, Scott. *The Household Economy: its Shape, Origins, and Future*. Boston, Mass.: Beacon Press, 1977. \$4.95. 252p. bibliog. pp. 247-252. Originally pub. as *Home, Inc.* New York: Doubleday, 1975. \$4.95 pap.

"The whole way of measuring economic activity is skewed towards institutional production and consumption. If people do something for themselves, it does not count in the GNP. If they have someone else do it, even at great expense, the GNP improves. Only counts what happens from 8 to 5, five days a week, in "the office." Never counted is the at-least equal amount of work done at home by housewives. Buying labor-saving devices for the home so people are free to "go to work," so they can pay for the labor-saving devices, is only running on a treadmill that gives the illusion of progress because the value of homework is ignored." Burns explores the economics of the home and shows that investment in the home in general and in such things as insulation in particular, provide a much greater value and return than almost any industrial investment.

- 144 Butler, Samuel. *The Notebooks of Samuel Butler*. Selections arranged & ed. by Henry F. Jones. London: J. Cape 1921. 438p. Repr. New York: Dutton.

Read pp. 39-55 to become aware that the logic of the industrial mode of production could be understood a century ago.

- 145 Buvinic, Mayra, with Adams, Edgcomb, Kochwaser. *Women and World Development: an Annotated Bibliography*. Prepared under the auspices of the American Association for the Advancement of Science. Washington, D.C.: Overseas Development Council, 1976. 160p. 381 entries. \$2.50.

Partly unpublished research on the effect of socio-economic development on women and women's reactions to these changes.



- 146 Cabirol, Thierry; Pelissou, Albert; & Roux, Daniel. *L'insolateur plan a effet de serre et le chauffe-eau solaire: Fonctionnement. Réalisation. Cout*. Aix-En-Provence, EDISUD, Collection Technologies Douces. 1976. 160p. bibliog. pp. 155-156.

The authors, an experienced plumber and two engineers, bring together the results of very diverse practical experience and university research in the field of solar energy applied to the habitat. The theory of solar heating, the alternate techniques, as well as the most down-to-earth practical details, are explained thoroughly and in terms which are easily understood.

- 147 Caldwell, Lynton Keith, & others. *Citizens and the Environment: Case Studies in Popular Action*. Bloomington, Ind.: Indiana University Press, 1976. 449p. bibliog. pp. 421-435. \$17.50.

- 148 Canadian Hunger Foundation. *A Handbook on Appropriate Technology*. Ottawa: Canadian Hunger Foundation, 1976. \$7.50.

A good working document for people interested in appropriate technology. Compiled in cooperation with the Brace Research Institute. Essays explaining alternative technology, case studies from many countries, a catalog of tools and equipment, bibliography, and a beginning international list-

ing of groups and individuals involved in appropriate technology development.

- Canadian Hunger Foundation. *Un manuel de technologie appropriada*. Ottawa: Canadian Hunger Foundation, July 1977.

- 149 *Canadian Whole Earth Almanac*. Shelter Issue, Vol. 1, No. 2, Winter 1970. Pub. by the Canadian Whole Earth Research Foundation, Toronto. 152p. \$3/copy, \$9/yr.

1971 issues on: Industry and Craft (Spring); The Healing Arts (Summer); The Old World (Winter).

- 150 *Capturing the Sun through Bioconversion: Conference Proceedings*. Washington, D.C.: The Washington Center, March 10-12, 1976. \$18.

Methane technology is part of a larger field of activity called Bioconversion. The energy available and waste utilization possibilities are covered in numerous "state-of-the-art" reports on: 1) urban, industry, agricultural and forestry waste biomass sources; 2) land, freshwater and ocean farming of energy crops, such as wood and kelp; 3) processes producing gaseous, liquid, and solid fuels and their further products, such as fertilizer, feed, and feedstocks; 4) technology assessment; 5) economic and social impacts, and 6) environmental impacts. Displays the scope of bioconversion better than any other single source.

- 151 Cannon, James. *A Clear View: Guide to Industrial Pollution Control*. Emmaus, Pa.: Rodale Press, 1976. \$3.95 pap.

As William Ruckelshaus says in the introduction: "in order for a citizen to meaningfully participate in government decision-making, he must be informed and must have access to decision-makers. This book imaginatively addresses both needs. It places great emphasis on the responsibility of a citizen to become knowledgeable prior to meaningful participation." Introductory material chapters: especially good ones on researching; lots of follow up access; a good guide for volunteer citizen action groups.

- 152 Caplan, Gerald, & Killilea, Marie, eds. *Support Systems and Mutual Help: Multidisciplinary Explorations*. New York: Grune & Stratton, 1976. \$19.50.

Review of the literature on mutual help organizations. Is direct professional involvement compatible with the self-help tradition?

- 153 Cardoso, Fernando Henrique. "The Consumption of Dependency Theory in the United States." *Latin American Research Review*, Vol. XII, No. 3, 1977. pp. 7-24.

Collects and interprets about 50 titles, mostly post-1970, which deal with the undesirable consequences of Latin American "development" in the perspective of a dependency-theory, strongly Marxist, and generated overwhelmingly by U.S. trained social scientists. The theme so monopolizes discussions on political alternatives that it paralyzes research on technological alternatives.

- 154 Carlson, Rick J. *The End of Medicine*. N.Y.: Wiley, 1975. 290p. bibliog. p. 267-281. Notes & ref. pp. 241-266. \$13.75.

... By training the author is a lawyer. He has chosen to prosecute medicine. He argues that the system of engineering interventions on people and on environments, which constitutes the contemporary medical endeavor and around which the modern medical institution is built, has almost no relevance to health. He marshals a host of firsthand witnesses for evidence on this point. He shows that the widespread presumption of benefits derived by society from increasing medical expenditures is based on misguided trust in scientific hearsay given by professionally prejudiced testi-

mony. Carlson argues convincingly that the very limited net benefits to public health that the health profession now can still credibly claim must disappear during the next 25 years, while social costs and damages generated by the medical complex will become literally sickening. Nobody so far has shown with comparable cogency that this inevitably growing counterproductivity of the United States health care system is fundamentally independent of any changes in medical education, technological progress, and organizational streamlining or any of the political alternatives to the control of health care now under discussion . . ." (foreword by I. Illich.) The tables, charts, references, and bibliography are outstanding, and enable further study for those interested in related subjects.

- 155 Carnahan, Don, comp. & ed. *Sunspark Guide to Alternative Periodicals: a Directory of Magazines and Journals devoted to Creative Natural Lifestyles*. 2d ed. Greenleaf, Oreg.: Sunspark Press, 1977. 69p. \$3.

Over 670 U.S. magazines and journals which focus on "creative, constructive, non-wasteful lifestyles" are listed under 11 subject headings. Gives address and subscription data (though not rates for institutions), with a short description. Does not include alternative newspapers.

- 156 Carr, Marilyn. *Economically Appropriate Technologies for Developing Countries: an Annotated Bibliography*. London: Intermediate Technology Publications, 1976. 101p. £2.75 \$6.50 c.300 entries.

Annotated bibliography of almost 300 useful sources of both analytical studies of application of small-scale technologies in developing countries and of practical how-to information on equipment, processes, and projects from various countries. . . . basically concerned with hardware. The software aspects, such as education, training, management and organization, warrant a subsequent bibliography. The material has been divided into six sections. The first four of these cover technologies related to the basic human needs: food, shelter, manufactured goods such as clothing, footwear and various household items, and infrastructural goods such as power sources, water supplies, health services, and roads and transportation. The last two sections contain a selection of technical publications and bibliographies which provide useful back-up material to the main studies, which have been selected and annotated . . ." (introduction.) The usefulness of this bibliography would be increased by inclusion of prices, access information, and other bibliographic data.

- 157 *Catalogue des Ressources*. Vol. 1: nourriture, vêtements, transports, habitat. Vol. 2: social, éducation, média, création. Vol. 3: santé, sexualité, psychisme, expansion de la conscience. Paris: Co-édition Librairies Alternative et Parallèles, 1976/1977. Respectivement 39,50 fr., 45,00 fr., 50,00 fr. fr.

A boulevard-style "camp" version of the *Whole Earth Catalog* in three volumes. At present the most comprehensive annotated guide to more than 1500, mostly odd books, newsletters, associations, and events in France. The initiatives concerned with simple living listed in these volumes are drowned in numerous items that are either just fashionable or simply commercial.

- 158 Cauntner, C. F. *The History and Development of Cycles*. London: Her Majesty's Stationery Office, 1955. 70p.

A Science Museum monograph. The emphasis is upon British development. A short bibliography of "the more important books" is on p. 66.

- 159 Center for California Public Affairs. *California Environmental Directory: a Guide to Organizations and Resources*. 2d ed. Claremont, Calif.:

Center for California Public Affairs, An Affiliate of the Claremont Colleges, 1977. 148p.

- 160 Center for Information on Language Teaching. *A Language-Teaching Bibliography*. Cambridge: Cambridge University Press, 1968. 243p.

Interdisciplinary guide to authoritative works on the theory and practice of foreign language teaching. Has references on classroom teaching as well as on the contributions of psychology to language learning. Sec. 3, "Particular Languages" is arranged under 6 headings: the teaching of English as a second language, French, German, Italian, Russian, and Spanish. Teachers will find citations pertinent to their individual interests for each language. International coverage. Excludes periodicals because they are included in a separate quarterly publication, *Language Teaching Abstracts*, published by the same group.

- 161 Center for the Biology of Natural Systems. *Agriculture/Energy Project Reports*. St. Louis, Mo.: Washington University, Center for the Biology of Natural Systems, 1974-1975.

Barry Commoner's team has completed six excellent studies which are available free, analyzing the comparative energetic and economic performance of organic and conventional farms in the Corn Belt. In both the first and second year of the study, organic farms outperformed others. Although yields per acre were somewhat less, costs of fertilizer and other inputs were substantially less, and return on investment greater.

CBNS-AE-1: *Effect of Recent Energy Price Increases on Field Crop Production Costs*, December 1974. 108p.

CBNS-AE-2: *Vulnerability of Crop Production to Energy Problems* (simplified version of CBNS-AE-1), January 1975. 34p.

CBNS-AE-3: *Agricultural Resources Consumed in Beef Production*, June 1975. 41p.

CBNS-AE-4: *A Comparison of the Production, Economic Returns and Energy Intensiveness of Corn Belt Farms That Do and Do Not Use Inorganic Fertilizers and Pesticides*, July 1975. 62p.

CBNS-AE-5: *Energy in Corn Belt Production*, July 1975. 15p.

CBNS-AE-6: *A Comparison of Organic and Conventional Farms in the Corn Belt*, July 1975. 27p. (simplified version of CBNS-AE-4).

- 162 Central Public Health Engineering Research Institute. *Disinfection for Small Community Water Supplies*. Nagpur, India: CPHERI. Undated. 14p.

Contains: bleaching powder for disinfection, disinfection of open dug wells, pot systems, drip type chlorinator, chlorine test kit and acceptability of chlorinated well waters. Approximate date: 1970.

- 163 Centre de Creation Industrielle, ed. *Energies Libres! Ouvrage édité à l'occasion de l'exposition "Energies Libres!" organisée par le Centre de Création Industrielle et présentée à Paris au Musée des Arts Décoratifs du 14 mai au 27 septembre 1976*. 47p. bibliog. p. 43-46.

Gives a detailed view of the research done in France and an overview of that done in the United States, Soviet Union, England, Italy, Japan, India. Presents the commercial initiatives as well as the personal ones, offers the scientific aspects, and gives simple technical advice to the amateur.

- 164 Centre de Recherche et d'Étude pour la Diffusion du Français (CREDIF), ed. *Éléments de bibliographie internationale pour l'analyse et l'enseignement des langues de spécialité*. Paris, Bruxelles, Montreal: Ecole Normale Supérieure de Saint Cloud, CREDIF, 1971.

International bibliography for the analysis and teaching of specialized languages.

165 Centre d'Études Regionales sur L'Economie de L'Energie. *Le contenu énergétique des produits industriels: la récupération et le recyclage et leur implication énergétique*. Paris, December 1976.

Energetical contents of industrial products; recuperation and recycling; and their energetical implications.

166 Centre for Information on Language Teaching (CILT), ed. *Languages for Special Purposes*. Reports and Papers 1. London: CILT, 1969. bibliog. Essays and bibliographies.

167 Centro Internacional de Formacion en Ciencias Ambientales (CIFCA) Biblioteca, ed. *Boletin Informativo*. Obras ingresadas en la biblioteca durante el período mayo-junio 1977. CIFCA/BA/Inf.005. 006-77. Nos. 8 & 9, May-June 1977. 76p.

Though most items listed in this accession catalog are written in English, the list does provide a guide to Spanish language materials in ecology.

168 Chagula, W. K.; Feld, B. T.; & Parthasarathi, A., eds. *Pugwash on Self-Reliance*. A Pugwash monograph based on the symposium held in Dar-es-Salaam, Tanzania, June 2-6, 1975. New Delhi: Ankur Publ. House, 1977. 340p. \$3. pap.

The papers presented at the symposium deal with the concept of self-reliance—what it is and what it is not. The role of international collaboration between developing and developed countries is critically analyzed and specific suggestions are made. Specific case studies for Tanzania, Brazil, and India are described to illustrate their concept of self-reliance. The present volume not only contains papers presented at this symposium but also some background papers on the subject of self-reliance.

169 Chaplin, Paul, ed. *A Survey of Modern British Cooperatives*. Manchester: Manchester Business School, June 1977. £1.25.

Much useful information.

170 Chareyre, Robert. *La maison autonome*. Alternatives Nos. 3-4, 1er trimestre 1978. Paris: Editions Alternative & Paralleles. 220p. 35,00 fr. fr.

Practical, good designs and bibliographies after each chapter.

171 Chesterman, John; Marten, Mike; May, John; & others, eds. *An Index of Possibilities: Energy and Power*. London: Clonose Publ., 1974; New York: Pantheon, 1974. 291p. bibliog. pp. 120-123. \$5.95.

A kind of alternative encyclopaedia in a large format and with remarkable graphics. Contains one short but well-annotated bibliography on alternative technology and columns of access information on alternative technologies even including psychic abilities. It can hardly be called radical, but it is enjoyable reading. (Peter Harper.)

172 Chicorel, Marietta, ed. *Chicorel Index to Environment and Ecology*. Vols 16 & 16A. New York: Chicorel Library Publ., 1975. 744p. \$60. each.

Only a subject index. Establishment publications.

173 Christiano, David, ec. *Human Rights Organizations and Periodicals Directory 1977*. Berkeley, Calif.: Meiklejohn Civil Liberties Institute, 1977. 147p. \$6.

Alphabetical listing of nearly 500 organizations and periodicals, with ten to 50 word annotations. This is the third biennial edition.

174 Ciaccio, Leonard L., ed. *Water and Water Pollution Handbook*. 4 vols. New York: Dekker, 1971-1973. \$41.50 each.

Consists of 32 chapters contributed by specialists, offering an interdisciplinary approach to water analysis and treatment. Bibliographies. Author index and subject index in Volume 4.

175 Clark, George N. *Science and Social Welfare in the Age of Newton*. 2d ed. New York: Oxford Univ. Press, 1949. 159p. \$7.50.

A brilliant short work on the relationships between science and technology, the economic and social aspects of technology, and the rise of scientific societies. (Eugene S. Ferguson, *op. cit.*)

176 Clark, Wilson. *Energy for Survival: the Alternative to Extinction*. New York: Doubleday, 1975. 652p. \$4.95 pap.

A comprehensive and highly useful overview of the development and operation of the high-energy society, future energy resources, and the history and potential of renewable energy development. Encyclopedic and filled with detail. A guide to sources with over 1000 references.

177 Clarke, Robin. *Building for Self-Sufficiency*. New York: Universe Books, 1977. 296p. Annotated bibliog. pp. 285-289. \$5.95.

The book describes how Clarke and a few other inexperienced people built a large, habitable house, with solar heated water, within nine months of breaking ground. He shows how others can learn the arts of housebuilding, plastering, and carpentry and writes clearly about heat, insulation, solar energy, wind power, water and plumbing, waste and compost, transport and food. Clarke does not think the world would be a better place if everybody strove for self-sufficiency and ecologically valid lifestyles. But he demonstrates that in this over-specialized, expensive world it is entirely possible, and indeed imperative, to learn some basic practical skills, and so to make do with less, and to live better as a result. Further readings with practical annotations are given at the end of the book.

178 Clarke, Robin, ed. *Notes for the Future: an Alternative History of the Past Decade*. New York: Universe Books, 1976. 238p.

With contributions by Barry Commoner, Paul Ehrlich, Garrett Hardin, Theodore Roszak, E. F. Schumacher, George Wald, and others. Includes "Technology for an Alternative Society" by Robin Clarke.

179 Cobbett, William. *Cottage Economy*. Repr. of 1926 ed. London: New Portway Reprints 1966; N.Y.: Kelley, \$10.

A classic of utopian arcady. (Peter Harper.)

180 Coffman, Chip; Wenig, Mikki; & Jubal. *Directory of Intentional Communities*. Louisa, Va.: Communities Publications Cooperative, 1977. 80p. \$2.

Compiled for communities, cooperatives, and other groups interested in setting up cooperative lifestyles. Entries are from over 750 groups, broken down by region (western Canada, Mexico, Great Britain, Mid-America, northeast, and Atlantic). A quick reference section (listings by zip code order) categorizes the entries by general information, government, diet, religion, and relationships. Not all listings are rural. Urban communities are also listed.

181 Coleman, Eliot. *Annotated Bibliography of Biological Agriculture*. Harborside, Me.: Small Farm Research Association. Reprinted in *Mother Earth News*, No. 39, May 1976, pp. 74-78. 79 entries, most of them published before 1960.

182 Colesby, J. A., & Townsend, P. J. *Keeping Warm for Half the Cost*. Dorchester, Dorset: Prism

Press, 1975. 91p. £1.50. From: Townsend & Colesby.

The best homeowner's guide for reducing energy use in the home since Eugene Eccle's *Save Energy, Save Money*. In England there are many houses several hundred years old that require thoughtful techniques for insulating, so the British have a lot of experience the U.S. can learn from. The best new information is a section of clear how-to information for making insulating window shutters and storm windows, and ideas for commercial products available in England that could be usefully produced in the U.S.: sheetrock laminated to styrene insulation for direct application to existing walls; rigid foam insulating tiles to apply to ceilings where access to rafter space is difficult; foam panels covered with masonite for insulating existing concrete floors; kits for glass storm windows. Good detailed instructions, clear illustrations, and lots of practical know-how for dealing with difficult or unusual situations. Insulation levels suggested should be at least doubled for the U.S. (and probably for England).

183 Colin, Paul, & Lippman, Deborah. *Craft Sources: the Ultimate Catalog for Craftspeople*. New York: M. Evans & Co., 1975. 242p. \$5.95.

A guide to the available books, magazines, organizations, suppliers, and schools; for professionals, amateurs, and educators in the crafts field.

184 Collison, Robert L. *Dictionaries of English and Foreign Languages: a Bibliographical Guide to both General and Technical Dictionaries with Historical and Explanatory Notes and References*. 2d ed. New York: Hafner, 1971. 303p.

185 Collison, Robert. *Encyclopaedias: Their History Throughout the Ages*. 2d ed. New York & London: Hafner, 1966. 334p. \$12.50.

A remarkable tour de force of bibliographical scholarship, in which encyclopaedias in more than a score of languages, dating from 370 B.C. (Speusippos) to 1965 A.D., are described in more or less detail. A full chapter is devoted to Diderot, one to the *Britannica*, and one to Brockhaus. Chronology, pp. xiii-xvi; bibliography of articles about encyclopaedias, pp. 296-297; list of encyclopaedias not mentioned in text, pp. 298-313. Like the *Britannica* Eleventh, Collison's book often tells me more than I want to know, but it is nevertheless a valuable and welcome addition to my reference shelf. (Eugene S. Ferguson, *op. cit.*)

186 Committee of Inquiry: The Plutonium Economy. *The Plutonium Economy: a Statement of Concern*. A Background Report to the National Council of Churches of Christ in the U.S.A. New York, September 1975. c.33p.

187 Committee on Resources and Man. *Resources and Man: a Study and Recommendations*. San Francisco, Calif.: W. H. Freeman, 1969. 259p. \$4.29.

"... The adequacy of resources places constraints both on the ultimate sizes of populations and on the level of living that populations of any density may enjoy. The Committee on Resources and Man evaluates national and world resources in the light of current and expected stresses and identifies problems in need of study as well as opportunities for progress... This book is intended to be evocative. It is meant to be a brief but reasonably balanced introduction to the problem of man's relation to his resources, concentrating on issues central to a rational perception of the problem rather than on detailed estimates and projection..." (introduction.)

188 Committee of Small Magazine Editors and Publishers (COSMEP). *COSMEP Book Van Catalog, Fall 1977*. Carrboro, N.C.: Cosmep Van Project, 1977. c.60p.

189 Common Women Collective. *Women in U.S. History: an Annotated Bibliography*. Cambridge, Mass.: The Common Women Collective, 1976. 144p. \$2.25.

190 Commoner, Barry. *The Closing Circle*. N.Y.: Knopf, 1971; Bantam 1972. \$2.25 pap.

We are in an environmental crisis because we have broken out of the circle of life—because the means by which we use the environment to produce wealth are themselves destroying the environment. *The Closing Circle* tells what has gone wrong, why it happened, and how we can put it right.

191 Commoner, Barry. *The Poverty of Power: Energy and the Economic Crisis*. New York: Knopf, 1976. 314p. \$10.

One of the important perspectives on America's presently energy-wasteful and environmentally-polluted modes of production and consumption. After the clearest explication of the Second Law of Thermodynamics now extant, examples are given of how the profit system has failed to direct national resources towards the obvious, best solutions in energy transportation, housing, and other areas.

192 Commoner, Barry; Boksenbaum, Howard; & Corr, Michael, eds. *Energy and Human Welfare: a Critical Analysis*. A selection of Papers on the Social, Technological, and Environmental Problems of Electric Power Consumption. Vol. III, *Human Welfare: the End Use for Power*. New York: Macmillan, 1975. \$14.95.

193 Community Self-Reliance Series. Ed. by the Institute for Local Self-Reliance, 1717 18th St. N.W., Washington, D.C. 20009.

The Community Self-Reliance Series was initiated to provide information about the potential for communities becoming more self-reliant and self-sufficient. The series covers many aspects of this process. Some pamphlets give a broad overview of the problems stemming from dependence centralization and fragmentation. Others focus on a specific sector or enterprise, describing in detail how people can establish new institutions or activities which serve self-reliant communities. While several of these pamphlets will be useful for individuals or small groups, many will outline alternatives that are immediately possible and practical for our neighborhoods and cities.

194 Compendium. *Community Technology: Organic Politics, Survival Skills*. London: Compendium Catalogue, 1977. 40p. £0.35.

Emphasizes the social function of tools rather than their particular characteristics. A new edition is scheduled for late 1979.

195 Compton's Dictionary of the Natural Sciences. Chicago: Compton, 1966. 2 vols.

"Written in simple, easily understandable language, this work is useful not only to young people, but to the non-specialist at all educational levels. Entries run heavily to plants, animals, birds, fishes, insects, and the like, but there are entries for terms in geology, astronomy, etc. Genus and scientific names are given for plants, etc., as applicable. An "Illustrated index and glossary of terms" offers definitions of numerous terms (with pronunciation) not included in the main text, together with references (mainly from variant forms) to articles in the text." (Eugene Sheehy, *op. cit.*)

196 Comtek '74 Catalogue. 13, Bedford Street, Bath, Avon. U.K. £0.25.

An extraordinary address list left over from the last festival of community technology. Not updated.

- 197 Congdon, R. J., ed. *Lectures on Socially Appropriate Technology*. Eindhoven, Netherlands: Technische Hochschule, 1975. 235p. fl. 10. U.S. ed.: *Introduction to Appropriate Technology: Toward a Simpler Life-Style*. Emmaus, Pa.: Rodale, 1977. 205p. bibliog. p. 200-202. \$6.95.
- The 12 lectures were originally given at the Technological Universities of Eindhoven and Twente at the end of 1974. Most of the speakers are from the Intermediate Technology Development Group of Britain. With contributions by G. McRobie, S. B. Watt, J. Boyd, P. D. Dunn, S. S. Wilson, H. Dickinson.
- 198 Congressional Quarterly. *Energy Crisis in America*. 1973. 93p. \$3.95.
- With more than a dozen charts and tables to help illustrate, this work presents significant information. Topics include concentration of energy ownership, nuclear power, strip mining, environmental problems, federal legislation 1969-1972, and court decisions.
- 199 Connor, Michael. *Large Scale Sprouting as a Cottage Industry*. Community Self-Reliance Series No. 2. Washington, D.C.: Institute for Local Self-Reliance, 1975. 16p.
- Simple, clear, practical advices. Includes: sprouts in the home, producing sprouts for the community, information chart: temperature, method, rinses, length, maturity, weight and volume, economics and budget.
- 200 Conover, Patrick. *The Alternate Culture and Contemporary Communes. Revised: a Partly Annotated Bibliography*. Council of Planning Librarians, Exchange Bibliography No. 952, January 1976. Monticello, Ill.: Mary Vance, editor. 31p. about 217 entries. \$3.
- 201 Consumer Information Center. *The Consumer Information Catalog: a Catalog of Selected Federal Publications of Consumer Interest*. Pueblo, Colo.: Consumer Information Center, 1977. Free.
- Lists over 200 booklets put out by the Federal Government on "how to" fix a car, a leaky faucet, dieting, buying a home, etc. Most of them are free.
- 202 Cook, Earl. *Man, Energy, Society*. San Francisco, Calif.: W. H. Freeman, 1976. 478p. bibliog. \$7.95 pap.
- A thorough, well researched, and well written textbook. The book covers such areas as: energy, environment, and evolution; social evolution and energy; life styles, government, and energy; ethical and moral aspects of energy use; and alternative energy features. An excellent bibliography is included, also an appendix with a chronology of events related to the use of energy. Recommended as a basic text in developing a course dealing in relationships between man and energy.
- 203 The Co-op Handbook Collective. *The Food Co-op Handbook: How to Bypass Supermarkets to Control the Quality and Price of Your Food*. Boston, Mass.: Houghton Mifflin, 1975. 382p. Directory p. 329-372. \$4.95
- Indepth book on the food co-op movement. It provides an analysis of the "whys" of food co-ops and shows how they can provide a true alternative to agribusiness as usual. It also includes a brief history of co-ops, from their beginning in 1844 to the wide variety that exists today. It covers everything needed to start and run a co-op. Written by people active in food co-ops across the U.S., it includes discussions of organizing, what food to buy where and how to buy it, decision-making, member participation, finances, legalities, federation, and growth. Bibliographies supplement the text. Tables and diagrams illustrate procedure. Appendices, 44
- pages, provide the latest lists of regional co-op contacts, organic farming groups, and food cooperative ventures across the U.S., including truckers, warehouses, bakeries, and mills.
- 204 Cooper, Michael H. *Rationing Health Care*. London: Croom Helm, 1975. 126p.
- A sober, critical, and lively attempt at an over-all economic review of the nature and problems of the first 26 years of the British National Health Service.
- 205 Cornelius, Wayne A. & Robert V. Kemper, eds. *Metropolitan Latin America: the Challenge and the Response*. Vol. 6, Latin American Urban Research, March 1978. Beverly Hills, Calif.: Sage Publ. 320p. bibliog. 1600 entries. \$7.95.
- This volume focuses on the problems confronting nine major Latin American and Caribbean cities, and the actual responses of local and national governments to these problems. Each chapter provides a comprehensive overview of urban development problems and government performance in dealing with them in a single metropolitan area. Contributors also discuss the role of the metropolitan area in regional and national development, and the tensions between government policies aimed at the problems of the metropolitan area and policies for national and regional development. The volume provides source material for scholars doing research on specific cities as well as an empirical base for comparative urban studies. It also includes a 1600-item bibliography of studies on urban Latin America published during the 1974-1976 period.
- 206 Cornish, Edward. *The Study of the Future: an Introduction to the Art and Science of Understanding and Shaping Tomorrow's World*. Washington, D.C.: World Future Society, 1977. 307p. bibliog. pp. 259-282. \$9.50.
- Brief, readable introduction to the study of the future. "Futurists". Annotated bibliography.
- 207 Corporate Action Project, eds. *Corporate Action Guide*. Washington, D.C.: Corporate Action Project, 1974. 104p. bibliog. pp. 101-104.
- Gives lists of research and resource groups and corporate action groups. Source book and action guide on national and multinational corporations and how to organize to resist them.
- 208 Cottrell, Frederick W. *Energy and Society: the Relation Between Energy, Social Change and Economic Development*. New York: McGraw Hill, 1955. 330p. \$15.
- The thesis of this pioneering work: "The energy available to man limits what he can do and influences what he will do." Impressive but difficult to read, this survey examines from a broad interdisciplinary perspective the use of energy in low and high energy societies.
- 209 Council for Small Industries in Rural Areas. *Select List of Books and Information Sources on Trades, Crafts, and Small Industries in Rural Areas*. Rev. ed. London: CoSIRA, 1973. First pub. in 1968. 80p. £0.75.
- Covers U.K.
- 210 Council of Planning Librarians. *List of Bibliographies in Print: 1959 through 1974; 1975 to the Present*. 82p. 1431 bibliogs. cited. Monticello, Ill.: Mary Vance, editor. Free.
- The quality of this huge amount of bibliographies is very variable. Some are competent and selective guides to unusual themes with informative introductory essays, others mindless congeries of trivia.

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- 211 Cowan, Belita. *Women's Health Care: Resources, Writings, Bibliographies*. Ann Arbor, Mich.: Anshen Publ., 1977. 52p. \$4.
Good up-to-date women's health resource book.
- 212 Craens, Jan. *Biogas: Methaangisting in Nederland*. Boxtel: De Kleine Aarde, 1976. 21p.
- 213 Cranston, Mary, & others. *A Handbook for Controlling Local Growth*. Stanford, Calif.: Stanford Environmental Law Society, 1973. 118p. bibliog. pp. 117-118.
Comparison of action taken in six U.S. communities to oppose growth, with accent on the increase in the number of low-income housing available within the community.
- 214 Crawford, Joseph H. Jr.; James J. Donahue; & Donald M. Grant. "333" *A Bibliography of the Science-Fantasy Novel*. New York: Arno Press, 1975. 80p. 315 entries. \$7.
Entries with abstracts. divided into: gothic romance, weird tales, science fiction, fantasy, lost races, fantastic adventure, unknown worlds, oriental novels, associational.
- 215 Critical Mass. *Decentralized Energy Systems Bibliography*. Washington, D.C.: Critical Mass, Energy Project, 1976. 4p. 43 unannotated entries. \$1. plus self-addressed stamped envelope.
- 216 Critical Mass. *Manpower Requirements for Nuclear and Coal Power Plants*. Washington, D.C.: Critical Mass, Energy Project. Free.
Comparison of employment impacts over the lifetime of alternative processes for producing an identical product indicate that coal power will result in 40 percent more employment than nuclear power, while costing less.
- 217 Critical Mass. *Nuclear Energy: Bibliography*. Washington, D.C.: Critical Mass, Energy Project, undated. Free.
A compilation of material that has emerged as a result of citizen movements that have begun to examine nuclear power critically. The authors investigate radiation and evaluate its effect on plant life, waterways, quality of the air, and on the human body. Includes a section on citizen action to challenge the rise of atomic power reactors. Some of the publications included are distributed by small publishers or local citizen groups. Most items are dated 1975-1977.
- 218 Croau, Max, & Delmas, Hervé. *Guide écologique des fournisseurs*. Paris: Association Européenne d'Agriculture et d'Hygiène biologiques, 1976. 147p.
Ecological guide to manufacturers and suppliers. Criteria for inclusion: recyclable, non-polluting, simple, robust, and autonomous. They intend to follow the idea of the U.S. *Whole Earth Catalog* and to allow the reader to go as far back as possible in the circuit of distribution to the manufacturer of all ecological products or tools. They are not critical of "distribution" but the intermediaries are not mentioned unless they really give a necessary, important service, e.g. importers, mail order agencies, or circuits of distribution of biological fertilizers and products. They are not critical of machines and technology. Hundreds of addresses of manufacturers listed are proof of it. But they always indicate the dangers of over-equipping, of the machine as a gadget, and of the machine for its own sake. Commercial advertising is accepted only to pay the cost of the book.
- 219 Curtis, Richard, & Hogan, Elizabeth. *Perils of the Peaceful Atom: The Myth of Safe Nuclear Power Plants*. New York: Doubleday, 1969. 274p.
One of the better general anti-nuclear tracts from the late 1960's; discusses radioactivity, insurance, sabotage, etc.
- 220 Dal Fabbro, Mario. *How to Build Modern Furniture*. 3d ed. New York: McGraw-Hill, 1976. 213p. \$8.95.
The principles that have guided the author throughout the compilation of this work have been those of simplicity and originality of design, sturdiness of construction, low cost of materials, and ease of assembly. Each project is presented clearly and simply, with as many drawings as deemed necessary for full and complete visualization of all construction steps. Text and drawings are integrated to make each project self-explanatory. A classic.
- 221 Daly, Herman. *Toward a Steady State Economy*. San Francisco, Calif.: W. H. Freeman, 1973. \$3.95.
One of few available sources for explorations of the implications of resource limits for economics. Essays on the social dimensions of steady state economics, the entropy law and the economic process, economics of spaceship earth and other useful slices of the transition toward equilibrium. (*Rainbook*.)
- 222 Dancy, Harold K. *A Manual of Building Construction*. London: Intermediate Technology Development Group, 1977. 362p. £1.
Originally a guide for constructing church missions in Africa by a missionary with wide experience of building under a great variety of ground and climatic conditions in different parts of Nigeria. This manual contains a wealth of information on building from scratch—on-site brickmaking, manufacturing doors and windows (from trees still on the hoof) and making roofing tiles. Details on a lot of uncommon building processes—grass roofs, mud roofs, mud domes, preparing paints and finishes, as well as design for tropical conditions, and business and labor details.
- 223 Danky, James P. *Undergrounds: a Union List of Alternative Periodicals in Libraries of the U.S. and Canada*. Madison, Wis.: State Historical Society of Wisconsin, 1974. 206p. \$12.95.
Compiled from lists prepared by more than 180 librarians around the U.S., each one reflecting a personal point of view. The purpose of this list is to bring a heterogeneous group of often little-known periodicals to the attention of North American researchers and librarians. By using the geographical index, one can easily get an idea of what papers are, or were, available for a given city or state. 3000+ titles listed. The list contains papers from every state of the union, plus Puerto Rico and Washington, D.C., and from over 50 countries.
- 224 Daniels, Farrington. *Direct Use of the Sun's Energy*. New York: Ballantine, 1964. 271p. bibliog. \$1.95.
Reviews the entire field of solar energy, from distillation of water to photovoltaic conversion.
- 225 Daniels, George. *Solar Homes and Sun Heating*. New York: Harper & Row, 1976. 178p. \$8.95.
Introduces the basics of domestic solar heating: insulation, heat storage, collector design, roof overhangs, etc. Information on retrofitting existing houses is included.
- 226 Darrow, Ken, & Pam, Rick. *Appropriate Technology Sourcebook: for Tools and Techniques that Use Local Skills, Local Resources, and Renewable Sources of Energy*. 2d ed. Stanford, Calif.: Volunteers in Asia Publication, November 1976. 304p. \$4.
A guide to practical plans and books for village and small

community technology. Critical reviews of selected publications on alternative sources of energy, farm implements, shop tools, agriculture, low-cost housing, health care, water supply, pedal power, philosophy of appropriate technology, and related subjects. Small scale systems using local skills and resources are emphasized. Publications were chosen that provide enough practical information to be of significant help in understanding principles and in actually building the designs included. Entries selected on the basis of low price, clarity of presentation, easily understandable, non-technical language, and unique subject matter. Materials and production techniques required are listed for all equipment plans. More than 375 publications from American and international sources. 200 illustrations. Price and address are given for each publication; some are also available in French or Spanish editions. Splendid. An updated edition and index are in preparation.

- 227 Dasbach, Joseph M., comp. *Science for Society: a Bibliography*. 6th ed. Washington, D.C.: American Association for the Advancement of Science, 1976. 104p. c.3000 annotated entries. \$3.

This annotated bibliography focuses on ideas having to do with the interrelationship of humankind, the environment, science and technology. It collates ideas from periodicals spanning a year or so in time and from books some four years. This bibliography has been designed to supplement course work at both secondary and college levels.

- 228 Dauber, Heinrich, & Verne, Etienne, Hrsg. *Freiheit zum Lernen: Alternativen zur lebenslänglichen Verschulung, die Einheit von Leben, Lernen, Arbeiten*. Vorwort von Ivan Illich. Reinbek-bei-Hamburg: Rowohlt Taschenbuch Verlag, 1976. 238p.

- Dauber, Heinrich, & Verne, Etienne. *L'école à perpétuité*. Présentation d'Ivan Illich. Paris: Seuil, 1977. 204p.

German and French editions of the results of a seminar held at CIDOC (Centro Intercultural de Documentación) in Cuernavaca, Mexico, in 1974, on "The Pitfalls of Adult Education." Present critiques on the worldwide trend towards lifelong education, and an analytical critique of the OECD report on "Recurrent Education." The majority of the contributors are Europeans.

- 229 Daumas, Maurice, ed. *Histoire générale des Techniques*. 4 vols. Paris: Presses Universitaires de France, 1962-. Vol. 1: Les origines de la civilisation technique. 1962. Vol. 2: Les premières étapes du machinisme. 1964. Vol. 3: L'expansion du machinisme. Vol. 4: La civilisation industrielle, a paraître.

"As noted by Lynn White, Jr. in *Isis*, 55 (June 1964), pp. 228-230, this work is 'a decided intellectual advance over that of Singer's even though discussion of individual topics is usually more detailed in Singer's.' Specifically, the treatment is global where Singer is parochial, and the history of the twentieth century will be included. On the other hand, the task of connecting technology with general history was not undertaken. White reminds us that every historian of technology must eventually begin to 'explore the jungle of meaning.' (Eugene S. Ferguson, *op. cit.*)

- 230 Davis, Adelle. *Let's Eat Right To Keep Fit*. 1st ed. 1954, rev. & updated. New York: Signet, 1970. 334p. \$2.25 pap.

A classic in the field of nutrition. Attention is devoted to the value of proteins, essential fatty acids, vitamins A/B/C/D/E, iron and iodine, magnesium, sodium, potassium, and calcium. The role of each element in the body is detailed, and the characteristics and disorders linked to each and its lack are described. Davis devotes a substantial portion of this book to the cellular structure of the body. She comments on

approaches to food selection and preparation, vitamin supplements (recommending them only when wholesome foods are unavailable), and the great "personal rewards of good nutrition." Concluding sections are devoted to the status of U.S. national health, the destructive propaganda machine of the food and drug industries, an action strategy, and lists of things people can do for themselves and their country in overcoming personal and national malnutrition.

- 231 Davis, Bob J. *Information Sources in Transportation, Material Management and Physical Distribution: an Annotated Bibliography and Guide*. Westport, Conn.: Greenwood, 1976. \$35.

- 232 Day, William. *Bill Day's Consumer Guide to Wood Stoves*. Rainpaper Number One. rev. Portland, Oreg.: *Rain* magazine, September 1977. 10p. \$1.

One-page annotated bibliography and list of manufacturers and importers.

- 233 Dean, G. C. *Technological Innovation in Chinese Industry*. London: Mansell, 1972.

- 234 Deering, Robert. "Technology of the Cooling Effects of Trees and Shrubs." In *Housing and Building in Hot Climates*, Building research Advisory Board Report No. 5. Washington, D.C.: National Academy of Sciences, 1952.

Gives an excellent and detailed presentation of how and how much cooling takes place under different conditions.

- 235 Dejene, Tekola, & Smith, Scott E. *Experiences in Rural Development: a Selected Annotated Bibliography in Planning, Implementing and Evaluating Rural Development in Africa*. OCC Paper No. 1. Washington, D.C.: Overseas Liaison Committee, American Council on Education, 1973. 256 entries.

Rural development is broadly interpreted in this bibliography so that it includes not only agricultural development, but also rural non-farm activities and supporting services in rural areas such as health, education, extension and farmer training, food and nutrition, and rural communications. About 20 of the entries have to do specifically with health and/or water supplies, and others may be useful aspects of projects. The material focuses on Africa, with some entries regarding experiences in Latin America, the Caribbean, and Asia, and includes materials written in English and French.

- 236 Delaney, Frances M. *Low-Cost Rural Health Care and Health Manpower Training: an Annotated Bibliography with Special Emphasis on Developing Countries*. Vol. 2. IDRC-069°. Ottawa, International Development Research Centre, 1976. 699 entries amply annotated.

This bibliography is an attempt to coordinate information on nontraditional health care delivery systems in remote regions of the world, especially in developing countries. The literature abstracted focuses primarily on new models of health care delivery, and on the training and utilization of auxiliary health workers. It is intended to be of use to: persons who are involved in planning, operating, and evaluating systems to provide rural health services; persons concerned with the training of auxiliary health workers to staff such systems; and organizations that are supporting research into the problems of organizing and staffing health care delivery systems. This is the second volume in a serial on rural health care delivery systems. (Abstract by editor.)

- 237 De Latour, Louis A. *Energy Conservation Program Guide for Commercial Buildings*. NRE-PE-75-2. Oct., 1975. Free from: Project Engineering Section, Dept. of Conservation, State Land and

Natural Res. Bldg., P.O. Box 44156, Baton Rouge, La. 70804.

Comprehensive, annotated bibliography on energy conservation publications and computer programs focused on commercial buildings. The almost amateur level of explanation increases its utility. Helpfully separates the conservation measures into those needing little or no capital outlay and those which mean a major expenditure.

238 De Latour, L. A.; Lawless, Bill; Hebert, Donald R., & others. *Energy Conservation, Fiscal Year 1976: Annual Report*. Baton Rouge, State of Louisiana, Dept. of Conservation, Project Engineering Section, June 1976.

Separate reports on: energy conservation, program guide for industry; for commercial buildings; for residential buildings; for transportation; future energy management projects; ongoing programs.

239 deMoll, Lane; Bender, Tom; Johnson, Steve; & others, eds. *Rainbook: Resources for Appropriate Technology*. New York: Schocken Books, 1977. 251p. \$7.95. Available from Rain.

Pages of resources for appropriate technology. The best of *Rain*, plus at least as much new material—everything from compost toilets to solar greenhouses, to community economics, municipal utilities, land trusts, health self-care, maps, community radio stations and natural pest control. Fully indexed for easy access. Next to Peter Harper's "Directory: Bibliography" in *R. dical Technology*, the *Rainbook* is one of the three bibliographic tools which have served me as models in creating this acquisition guide for librarians. It is one of the first orders any user of my guide should place.

240 deMoll, Lane, & Coe, Gigi, eds. *Stepping Stones: Appropriate Technology and Beyond*. New York: Schocken Books, November 1978. bibliog. 62 entries.

"A collection of pieces about appropriate technology that have shaped the development of the movement in the last few years and explore future possibilities in key areas. *Rainbook* gives the resources on what is happening—*Stepping Stones* provides the background and the philosophical glue to put it together." (Lane deMoll) Includes excerpts of *Tools for Conviviality* by Ivan Illich, *Odum's Energy, Ecology and Economics*, early Schumacher pieces, *Clothesline Paradox* by Steve Baer, *Cosmic Economics* by the now defunct Oregon Office of Energy Research and Planning, and contributions by David Morris, Margaret Mead, Gil Friend, Lee Johnson, and Tom Bender."

240a deMoll, Lane, & Sawaya, Linda. *Rainindex*. 1979. 48p. \$4. Available from Rain.

A complete index to the first four volumes of *Rain*—October 1974 through September 1978—and *Rainbook*, including a four-page, issue-by-issue listing of articles.

241 Dendy, D. A. V. *Composite Flour Technology: a Bibliography*. Tropical Products Institute Report No. G.89. 1975.

242 Derrick, Sewell, & Foster, Harold. *Solar Home Heating and Cooling: Technology and Diffusion*. Council of Planning Librarians Exchange Bibliography No. 1235. March 1977. Monticello, Ill.: Mary Vance, editor. 41p. c.448 entries. \$4.

242a Deshpande, P. G., comp. *Gandhiana: a Bibliography of Gandhian Literature*. Ahmedabad: Navajivan Publ. House. 1948. 239p. Text in Hindi and English.

A list of books by and about Gandhi. Books on the national

struggle of India are also included. Arranged alphabetically under India's provincial languages. Books in English are broadly classified. Information given for each title varied and some are incomplete. Only title index is provided.

243 Dessauer, Friedrich. *Streit um die Technik*. Frankfurt am Main, Verlag Josef Knecht. 1956. 472p. Literaturverzeichnis pp. 439-472 (1807-1956). Unannotated.

One of the two most important German bibliographies on the philosophy of technology, the other one being Herlitzius. The bibliography by Dessauer is arranged chronologically, beginning with 1807, to reflect "the awakening of self-consciousness concerning technology and the independence of interest in it from contemporary circumstances" and contains entries on over 700 books and articles on the basis of technology and the controversy concerning that basis as well as the illumination of technology as a unity in social consciousness. Dessauer's bibliography is thus oriented around his own attempt to give a Kantian critique of technology. The 1956 edition is a completely reworked version of the author's 1926 book with the same title, on which he worked since before World War I. No comparable history exists in other languages—and the author neglects to mention even the major non-German contributions to the field.

244 Deutsch, Karl W., & Merritt, Richard. *Nationalism and National Development: an Interdisciplinary Bibliography*. Cambridge, Mass.: M.I.T. Pr., 1970. 519p. c.5000 unannotated entries.

Limited almost exclusively to works in the major Western languages and even the great majority of the titles are in English with at least an introduction to the work of French and German scholars in this field. Covers the 31 years from 1935 to 1966.

245 Devender Kumar, comp. "Further Reading: a Select and Relevant Bibliography on The Rural Challenge." *Seminar*, No. 227, July 1978. pp. 44-48.

This issue of *Seminar* is an attempt to suggest solutions to some of the relevant problems of rural India. Includes: "Organic Agriculture" by R. P. Misra; "Relevant Education" by Krishnamurthy; "Mud Architecture" by B. S. Bhooshan; "Banking for the Poor" by M. Kistaiah and others.

246 Dezentrale, Hrsg. *Alternativ Katalog 2: Energie, Landbau, Körper Bewusstsein und Gemeinschaften II*. 1976. c. 320 p. und *Alternativ Katalog 3: Freiheit, Wirtschaft und Organisation, Entwicklung und andere Kulturen und Ergänzungen zum 1. and 2. Katalog*. 1978. c. 290p. Porrentruy, Switzerland: Dezentrale. Heft 2. SwFr 27,00; Heft 3. SwFr 25,00.

For description see volume 1 which was first published by Arbeitsgruppe Alternativkatalog.

247 Dickson, David. *Alternative Technology and the Politics of Technical Change*. Technosphere. Glasgow: Fontana/Collins, 1974. Published in the U.S. as *The Politics of Alternative Technology*. N.Y.: Universe Books, 1975. 224p. \$3.95.

An essentially political assessment of technical innovation, clearly written. The author's emphasis coincides significantly with the criteria of selection used in this guide.

248 *Dictionnaire Archéologique des Techniques*. 2 Vols. Paris: Editions d'Accueil, 1963-1964. bibliog. pp. 1081-1084.

Silvio Bedini, in a review in *Isis* (Summer 1965), calls this a compendium for ready references by amateurs and educators but not of much use to scholars because presentation is general, and some major subjects are omitted. Nevertheless,

as pointed out to me by Jack Goodwin, the comparative treatment of subjects is convenient. "Materias colorantes," for example (pp. 596-603), are traced in separate short articles: Pre-history, Pre-Columbian America, South America, Far East, India, Western Asia, Egypt, Greece, and Rome. Articles are signed." (Eugene S. Ferguson, *op. cit.*)

- 249 Diesendorf, Mark, & Furnass, Bryan, eds. *The Impact of Environment and Lifestyle on Human Health*. Proceedings of the National Symposium held at the Australian National University on 2d and 4th September, 1976. Canberra. Society for Social Responsibility in Science (ACT), 1977. 334p.

This symposium represents a sequel to the ideas expressed in *The Magic Bullet*. M. Diesendorf, ed., Society for Social Responsibility in Science (ACT). Canberra 1976. This conference has the aim of shifting the emphasis away from the reductionist approach of the traditional medical model towards an ecological viewpoint in which human health and wellbeing are seen in the context of interaction between genotype, environment and behavior. Informal workshops were held on the particular health problems of women, of infants and of adolescents, while one session of lectures and discussion was devoted to two particularly vulnerable groups—the fringe-dwelling Australian aborigines and the aged.

- 250 *Directory of Alternative Communities in Great Britain and Eire*. £1.50 from The Teachers, 18 Garth Road, Bangor, Gwynedd, North Wales.

Gives details of 38 communities (five only listed by number), their beliefs, economic relations, decision-making processes.

- 251 *Directory of Nuclear Activists and Mailing Lists*. Denver, Colo.: Environmental Action of Colorado. 154p. \$7. and \$5. respectively. (\$25. and \$10. if profit-making business, utility, government and persons associated with the nuclear industry).

The goals, resources, capabilities, and activities of more than 250 organizations and individuals concerned with nuclear issues. The directory contains: names, current addresses, telephone numbers of individuals and organizations concerned with nuclear power; names and phone numbers of contact persons in these organizations; a brief outline of each organization's past, present and planned involvement with the nuclear question—includes successes, victories and accomplishments; a description of the resources—expertise, printed information, reports, audiovisuals, slides, films, graphics—that each organization has available to the public and other nuclear activist organizations.

- 252 *Directory of the Solar Industry*. \$7.50 from: Solar Data, 13 Evergreen Rd., Hampton N.H. 03842.

This directory—an alphabetical and activity-coded listing—covers the solar energy interests of 530 domestic organizations in all phases of the solar industry. A good source for this kind of information. No recommendations or endorsements are given in the book.

- 253 Djukanovic, V., & Mach, E. P., eds. *Alternative Approaches to Meeting Basic Health Needs in Developing Countries*. A joint UNICEF-WHO Study. Also available in French. Geneva, World Health Organization, 1975. \$9.60 pap.

A study of ten successful or promising innovative health-care programs in various parts of the world that replaced unsuccessful Western centralized health systems. Programs from China, Cuba, Tanzania, Venezuela, Bangladesh, India, Niger, and Yugoslavia are examined and factors responsible for success analyzed.

- 254 Doble, Frank D., Jr. "Energy Agonistes: a Basic List of Books on Energy." *Library Journal*, Janu-

ary, 1977. pp. 27-32. Special issue on Energy. c. 82 annotated entries.

"This basic list of books has been drawn up to facilitate the selection and acquisition of energy materials by librarians in medium sized public and academic libraries for use by educated generalists. Criteria for selection included availability, accuracy, and clarity and force of expression. A good deal of attention was given to the obsolescence factor. A variety of types of sources appear on the list and are divided into five groups: general works, conservation and alternative energy systems, politics and economics, nuclear energy, and technical works. Annotations tend more towards description than evaluation." See also: *Library Journal*, annual special feature on Energy, January 1, issue. Specially useful as a guide to readings on the politics of energy related decision.

- 255 Dolgoff, Sam, ed. *The Anarchist Collectives. Workers' Self-Management in the Spanish Revolution, 1936-1939*. Introductory Essay by Murray Bookchin. New York, Free Life Editions, 1974. bibliog. pp. 177-181. \$3.45.

"... The importance of the Spanish Social Revolution as a revolutionary event and model, and as a concrete model of worker's self-management by the people is not generally recognized. The purpose of this collection is to provide an introduction to this experience. The first section provides essential background information; the second deals with the overall characteristics of agrarian collectivization and industrial socialization (economic coordination, place and nature of money in the collectives, statistics, production and distribution. . .). The book ends with a short evaluation of the anarchist collectives with comments on their relevance and lessons. The glossary, bibliography and appendices add to the overall usefulness of this volume. . . ." (preface.)

- 256 Donnis, Mary; Harms, Sally; Mullinack, Winifred; & others, eds. *San Francisco Bay Area People's Yellow Pages*. San Francisco, Calif.: The People's Yellow Pages. 193p. \$3.

- 257 Dougherty, Nina, & Lawrence, William. *Bicycle Transportation*. Environmental Protection Agency, 1974. Extensive Bibliogr., 94¢ from: Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

Includes nearly everything about bicycles as alternative transportation: energy efficiency, use statistics, problems and programs (both in the U.S. and abroad). Also an extensive bibliography. Good hard data.

- 258 Douglas, Sholto J., & Hart, Robert A. de J. *Forest Farming: Towards a Solution to Problems of World Hunger and Conservation*. with a pref. by E. F. Schumacher. London, Watkins, 1976. £3.85.

Shows that in food productivity alone tree crops can produce 10 to 15 times as much food per acre as field crops. It also thoroughly explores other important features of forest farming—timber and firewood production, ability to use hillsides unsuitable for field crops, lower labor demands, combination of tree crops and pasturage or livestock foraging, multi-level farming, production of medicines, chemicals, oils, etc. from trees, use of trees in desert reclamation (some trees have 100-foot taproots to draw up deep groundwater), leguminous trees which improve soil fertility, and the importance of vegetation in tropical forests where nutrients are held in vegetation rather than in the soil where the rains would leach them away. (*Rainbook*.)

- 259 Durbin, Paul T., ed. *Research in Philosophy and Technology: an Annual Compilation*. Greenwich, Conn.: Jai Press, December 1977. 560p. \$28.50 institutions, \$15. individuals.

On scale in human life, humanizing technology, technological change.

- 260 Durlak, Joseph Allen. *The Use of Non-Professionals as Therapeutic Agents: Research, Issues, and Implications*. Nashville, Tenn.: Vanderbilt University, Ph.D. dissertation, May 1971. Reproduced by: University Microfilms, Ann Arbor, Mich. 441p. bibliog. pp. 398-441. 539 entries.

The first part of the thesis summarizes several dozen research projects in which the effectiveness of "non-professionals" in service-or-therapy is compared with "professional" effectiveness. In practically all of these studies, the "non-professional" is a person whose ability to provide professionally supervised or professionally examined therapy is derived from investiture for this task by a professional agent, but without the curricular requirements generally imposed on people performing similar tasks.

- 261 Dyfrerman, Jan, & Hollander, Jan-Erik. *Parking Facilities for Alternative Uses*. Swedish Building Research Report R41-1975. Gävle, Sweden: National Swedish Institute for Building Research, 1975. In Swedish. Summarized in English in *Synopses and Summaries from National Swedish Building Research*.

The future life of buildings and equipment becomes of more concern as energy/wealth decreases. It also becomes increasingly important to consider the durability of buildings, the possibilities for disassembling and reusing materials rather than demolishing, and the adaptability of buildings to new uses and conditions as the present activities of a high energy society give way to gentler ways of a more austere society. This study explores the technical and economic problems connected with conversion of parking garages to other uses. Slight modification of basic design—greater room height, clearance to eradicate floor drainage slopes; structural capacity for such floor leveling materials; layout to provide light and ventilation for future enclosed uses are shown to be desirable. They require only about four percent increase in cost for the garages and make future conversion economically sound, improving the financial uncertainties of parking garage development. Layouts for use as apartments and offices are studied.

E

- 262 Eccli, Eugene, ed. *Low-Cost, Energy-Efficient Shelter, for the Owner and Builder*. Emmaus, Pa.: Rodale Press, 1976. 408p. \$5.95. bibliog., mostly annotated, pp. 374-381; list of design groups, pp. 382-383.

Combines good experienced advice on when and when not to build yourself, financing different building options, dealing with codes, neighbors and contractors, along with solid information on lowering first-cost of a home, reducing energy use and employing income energy sources. Not a primary reference in any of these areas, but gives good overall guidance and access to some hard-to-find aids: Cinva-Rams, super-sealants, pre-cut homes, or cellulose fiber insulation. A valuable resource to bring together the various aspects that must be considered for low-cost shelter. (Rainbook.)

- 263 Eccli, Sandra, & Eccli, Eugene. *Save Energy: Save Money!* Dec., 1974. 40p. Free from: The National Centre for Community Action, Network Services: Energy, 1711 Connecticut Ave. N.W., Washington, D.C. 20009.

Well-illustrated, straightforward "how-to-do-it" home energy conservation booklet by the co-editors of *Alternative Sources of Energy* magazine. More tips on how to save energy than most manuals supplied by utility companies: sealing the house against heat loss, getting heat where you need it when you want it, using the sun, furnaces-stoves-fireplaces,

appliance savings, do-it-yourself projects, what to do in emergencies. Includes a list of CSA Regional Offices who can help winterize the home, get heating fuel and gasoline. Oriented to sensible actions that poor people can take in rented houses as well as economical home owner projects. (Rainbook.)

- 264 Eccli, Sandy, & others, eds. *Alternative Sources of Energy: Practical Technology and Philosophy for a Decentralized Society*. 3d ed. New York: Continuum Book, Seabury Press, 1975. 278p. bibliog. pp. 221-270. \$7.95.

An epitome of the first ten issues of *Alternative Sources of Energy Magazine*. New material has been added. It has a 50-page bibliography classified as follows: energy and power; solar energy; wind energy; water energy; agriculture and organic fuels; energy storage; energy conversion devices; direct energy conversion; architecture and the arts. The items are only slightly annotated.

- 265 Educational Facilities Laboratories and the National Endowment for the Arts. *Reusing Railroad Stations*. 1974. \$4. available from EFL.

Over 40,000 railroad stations have been built in the U.S. since 1830. Twenty-thousand still stand, but few will see another passenger train unless massive increases in ridership and financial support for rail travel again develop. Many fine and useful buildings have already been lost to the wrecker because of an inability to assemble new occupancy, financing and interest in rehabilitation. This study documents the availability of fine and usable structures, the apathy and antagonism of many railroad companies, and a wide range of successful conversions to other uses—art colleges, shopping centers, homes, offices, nursery schools, and even a bank.

- 266 Een, Joann, & Rosenberg-Dishman, Marie B., eds. *Women and Society: Citations 3601 to 6000*. Beverly Hills, Calif.: Sage Pubns., 1978. 288p. \$17.50.

Employing the same format and style as *Women and Society* (654), edited by Rosenberg and Bergstrom, this volume updates and expands upon the original work. It continues the important cataloging and classification process of material available to the Women's Studies researcher. It is, like the 1975 volume, "an effort to bring some order to the burgeoning and sometimes confusing volume of materials that have been printed on women and to illustrate the variety of published materials."

- 267 Egerton, Frank N., III; McIntosh, Robert P.; & Lussenhop, John F., eds. *History of Ecology: Annotated Brochure*. New York, Arno Press, October 1977. 24p. Free.

Sales catalog of 52 books with descriptive annotations. Covers the 18th and 19th and the first three decades of the 20th Century. Includes works by: Georges-Louis Leclerc Buffon, Alexander von Humboldt, Frederic Clements, Antony von Leeuwenhoek, Carl Linnaeus, John Murray, John Ray, René Antoine Ferchault de Réaumur, etc. . . . Areas include: botany, zoogeography, oceanography, limnology, population biology. The same brochure gives a list, with descriptive annotations, of 42 books on *American Environmental Studies*, published in 1971, and of 41 books on *Use and Abuse of America's Natural Resources*, published in 1972.

- 268 Eichler, Margrit. *An Annotated Selected Bibliography of Bibliographies on Women*. 2d rev. & enl. ed. Pittsburgh, Pa.: Know Inc., 1976. 33p. 90 entries. \$3.

Listing of readily accessible bibliographies on women.

- 269 Eis, Jennifer, & Ward, Don. *Taking Off*. East Lansing, Mich.: Center for Alternatives in Higher Education, 1975. \$5.95.

In the past several years a great number of colleges and uni-

versities have set up living/learning centers where students can arrange work/study programs in all manner of areas—usually non-academic. The choices range from assisting in a day care center to working in a migrant camp or living with a family in Denmark. The first half of the book is the story of the setting up of one such center at Michigan State University. The second half is a very thorough listing of programs and contacts all over the world for a wide variety of apprentice, exchange and internship programs.

- 270 Elliott, Katherine, comp. *The Training of Auxiliaries in Health Care: an Annotated Bibliography*. London: Intermediate Technology Publication, 1975. 110p. \$5.50.

Contents: contacts, materials for auxiliaries, materials for direct or indirect absorption into auxiliary teaching courses, general background material, training centers and contacts country by country, publishers' addresses.

- 270a Ellis, William; McRobie, George; & Darrow, Kenneth. *Relevance of Appropriate Technology Developments in the U.S. to the Third World*. Published by OECD and AID, 1979.

The result of a survey of over 100 appropriate technology centers in the United States. This compendium gives details of the history and programs of over 50 and short biographical sketches of 75 leading appropriate technology and practitioners. The introduction analyzes the U.S. movement and suggests both potentials for and barriers to transnational cooperation with Third World appropriate technology groups.

- 271 Ellul, Jacques. *The Technological Society*. New York: Knopf, 1964. 463p. \$10.95. Originally published in French as *La Technique ou l'Enjeu du Siècle*. Paris: Armand Colin, 1954.

"A comprehensive and forceful social philosophy of the technical civilization. It widens the scope of inquiry into the consequences of having a society pervaded by technicians. Ellul handles the historical evidence much more sparingly and with less assurance than Mumford. Ellul's forceful emphasis is upon the erosion of moral values brought about by technicism. He shows that the ever-expanding and irreversible rule of technique is extended to all domains of life. It is a civilization committed to the quest for continually improved means to carelessly examined ends. Technique transforms ends into means and, conversely, technique turns means into ends." (foreword by Robert Merton.)

- 272 *Enciclopedia Salvat de la Ciencia y de la Tecnología*. Barcelona: Salvat, 1964-1965. 15 vols. Spanish translation of McGraw-Hill Encyclopaedia of Science and Technology.

- 273 Energy and Man's Environment, (EME). *Annotated Bibliography of AudioVisual Materials on Energy and Man's Environment*. Beaverton, Oreg.: Energy and Man's Environment.

- 274 Energy and Man's Environment, EME. *Energy Education Resources. Bibliographic Listing. Energy Uses, Energy Alternatives*. (CU 7-12). Beaverton, Oreg.: Energy and Man's Environment.

- 275 Energy Policy Project of the Ford Foundation. *A Time to Choose: America's Energy Future*. Cambridge, Mass.: Ballinger Publ. Co., 1974. 511p. \$12.95.

This report on the relationship of energy, employment, and economic growth examines U.S. energy policy, energy and environment, utility regulation, private enterprise and public interest, energy research and development. This is the final report of a three-year, \$4 million study.

- 276 Energy Research and Development Administration, ERDA. *Solar Bibliography*. TID-3351-RIP1. \$13.75 (print), \$2.25 (microfiche) from: NTIS, U.S. Dept. of Commerce, 5285 Port Royal Rd., Springfield, Va. 22161.

This updated version supersedes ERDA's 1975 bibliography. A two-volume source list, it goes as far back as could be obtained, is complete through 1975, and is divided into broad subject areas such as solar energy conversion, photovoltaic power plants, solar radiation use, and others.

- 277 Energy Research and Development Administration Library, ERDA. *World Energy Resources: an Annotated Bibliography of Selected Material on the Availability and Development of World Energy Resources*. ERDA-53-UC-2. Washington, D.C.: Energy Research and Development Administration, 1975. 18p.

Provides 173 references to recent English language publications covering the availability and development of world energy resources. Citations which deal exclusively with energy resources in the United States have been omitted. The items selected are intended to be sources of statistical and general energy policy information rather than technical descriptions of resource development. Includes journal articles, reports, and books which should be generally available. Most of the entries chosen were published since 1972. The compiler is Robert W. Harvie.

- 278 Les Enfants d'Aquarius. *Manuel de la vie pauvre*. Paris: Vivre/Stock 2, 1974. 278p. 28,00 fr.fr.

France's answer to *Alternative London*. A guide to most aspects of cheap and simple life, including excellent directories of periodicals, bookshops and libraries, and a special chapter on energy alternatives.

- 279 Environment Information Center. *The Energy Directory: a Comprehensive Guide to the Nation's Energy Organizations, Decision-Makers and Information Sources*. New York: Environment Information Center, 1973. 500p. \$95.

Profiles on more than 3000 energy organizations, annotated directory of journals and newsletters, and profiles of trade and citizen organizations.

- 280 Environment Information Center. *The Energy Index: a Select Guide to Energy Information Since 1970*. New York: Energy Information Center, Energy Reference Dept., 1973. 522p. Annual. \$50.

Provides 2800 abstracts, plus tables, charts and graphs on key energy problem areas—completely indexed by 8000 subjects and industry terms, and 7500 authors. All documents can be ordered from EIC in hard copy or microfiche card. Includes a bibliography of energy books, films, patents, and summaries of energy laws and policy statements.

- 281 Environment Information Center. *Energy Information Locator: a Select Guide to Information Centers, Systems, Data Bases, Abstracting Services, Directories, Newsletters, Binder Services and Journals*. New York: Environment Information Center, 1977.

The *Locator* is part of EIC's Energy Directory Update service, and is available separately (\$35) or as part of the update service (\$125). EIC calls it "the only one-stop information/media directory devoted exclusively to energy."

- 282 Environmental Action Foundation, ed. *Utility Action Guide: Resource Material on the Electric Power Industry*. Washington, D.C.: Environmental Action Foundation, undated [probably 1977]. 11p. Free.

Lists scores of studies, articles, legal briefs, testimonies, and books for people working to reform the electric monopolies.

283 Environmental Action Reprint Service, EARS. Energy Catalog No. 9. 22p. 50¢.

Large selection of books, articles, plans, blueprints, also posters, bumper stickers, T-shirts, lapel pins. Full of excellent information. Most alternative energy and major alternative technology materials are available from them.

284 Environmental Law Society. *A Legal Handbook for Billboard Control*. Stanford, Calif.: Stanford Law School, 1976.

Considerable progress has already occurred in billboard control based solely on aesthetic or "nuisance" factors. This handbook outlines issues, arguments, existing legislation and case studies. (*Rain*, August/September, 1978.)

285 Esbenshade, Henry W. *Farming: Sources for a Social and Ecologically Accountable Agriculture*. Pt. 1, 2d ed. Davis, Calif.: Alternative Agriculture Resources Project, 1977. 68p. \$2.

Excellent sourcebook for those interested in composting, seeds, soil fertility, forage, field and tree crops, biological control, beekeeping, animal husbandry, water management, machinery and farm building, technical assistance, and certification or training programs. This sourcebook is to be followed by ones on food distribution, nutrition and eating, land reform, energy, networks, and sharing.

F

286 FAO, Organisation des Nations Unies pour L'Alimentation et L'Agriculture. *Catalogue Bibliographique des Publications de la FAO 1945-1972*. Rome, 1973. 154p.

Annotated catalog of the works sold by the FAO since 1945. Editions in French, Spanish, and English.

287 Fairfield, Richard, ed. *utopia U.S.A.: Writings on Contemporary Alternative Life Styles*. San Diego, Calif.: School of Living, 1972. c. 200p. \$3.95 paper.

Contents: touring the communes; the religious scenario; back-to-the-land; life-in-the-city; politics and revolution; women's liberation. Numerous concrete communes are described.

288 Falk, Joe, ed. *Cooperative Community Development: a Blueprint for Our Future*. Shawnee Mission, Kan.: The Future Associates, 1975. 268p. \$2.95.

Blueprints a "do-it-yourself" Health Education Welfare (HEW), Housing and Urban Development (HUD) program started in the metropolitan market area of Kansas City, Missouri/Kansas. It explains how to use the land, money, facilities and know-how by cooperation associations and the existing political, social and economic institutions in the U.S.

289 Fathy, Hassan. *Architecture for the Poor: an Experiment in Rural Egypt*. Chicago/London, University of Chicago Press, 1973. 233p. \$5.95.

Describes in detail Fathy's plan for building the village of New Gourna from mud bricks, employing such traditional Egyptian architectural designs as enclosed courtyards and domed and vaulted roofing. Fathy worked closely with the people to tailor his designs to their needs; he taught them how to work with the mud bricks, supervised the erection of the buildings, and encouraged the revival of such ancient crafts as claustra (lattice designs in the mudwork) to adorn the buildings. He designs housing so that peasants can build it much as their fathers did in the past. No structural steel.

concrete or wood is needed, just mud bricks and the native technique that Fathy learned in Nubia.

290 Ferguson, Eugene S. *Bibliography of the History of Technology*. Published jointly by The Society for the History of Technology and The M.I.T. Pr., 1968. 347p. \$17.50.

"... The purpose of this book is to provide a reasonably comprehensive introduction to primary and secondary sources in the history of technology. Although more than a third of the book is devoted to monographs and articles that will answer specific questions on a given subject, I have put particular emphasis upon the kinds and classes of information that may be available and upon specialized bibliographies and finding aids. The reader that I expect to be helped by this book is the student who is trying to get his bearings in a new and largely uncharted field. I have tried to direct him to the tools and resources of the scholar. The history of technology is viewed here as a strand of cultural history..." (preface by the author). "Technology" is defined as those "activities of man that result in artifacts." Entries are very well annotated, often at some length. Indexed. An important work for this field. Earlier versions of parts of the book appeared in *Technology and Culture*, Vols. 3-6, (1962-1965). Supplemented by the *Current Bibliography in the History of Technology* (345).

291 Finkler, Earl, & Peterson, David. *Nongrowth Planning Strategies*. New York: Praeger, 1974. \$3.95.

A concise study of growth control for communities. Analyzes economic costs of non-growth and explores a range of available mechanisms for attaining it. This book and the AS-PO (American Society of Planning Officials) study both discuss the landmark legal victory of Petaluma, California, to control its rate of growth. For more detailed information on the Appellate Court brief in the case, contact City Planner Frank Ray, Petaluma, California 94952.

292 Fisher, Rick, & Yanda, Bill. *The Food and Heat Producing Solar Greenhouse: Design, Construction, Operation*. Santa Fe, N.M.: John Muir Publ., 1976. 161p. bibliog. pp. 149-161. \$6.

A step-by-step instruction on both building and operation. Good photographs of proven details. The bibliography includes an annotated list of ongoing research in the U.S.

293 Flood, W. E. *Scientific Words, their Structure and Meaning: an Explanatory Glossary of about 1,150 Word-Elements (Roots, Prefixes, Suffixes) Which Enter into the Formation of Scientific Terms*. Reprint of 1960 ed. Westport, Conn.: Greenwood, 1974. 220p. \$13.75.

The meaning of each word is given and also its origin, usually Latin or Greek; chemical formulae are given whenever they serve a useful purpose. "Very common elements, e.g., un-, -ation, -able, which are sure to be known to the reader are not included." Clearly set out.

294 Floyd, Mary K. *A Bibliography of Noise, 1965-1970*. Troy, N.Y.: Whitston, 1973. 373p.

An international bibliography of noise and "its physiological, psychological, sociological, and cultural effects." (preface) Books, alphabetically by main entry, and periodical articles, alphabetically by title, are listed in separate sections. A "subject index" repeats the full citations in an alphabetical subject arrangement. There is also an author index. Annual supplements, beginning with coverage for 1971, are now appearing.

295 Fluck, Hans-Rüdiger. *Fachsprachen. Einführung und Bibliographie*. München, Francke Verlag, 1976. c. 233. bibliog. pp. 193-224, 458 entries on technical languages.

- 296 Fogarty International Center. *A Bibliography of Chinese Sources on Medicine and Public Health in the People's Republic of China: 1960-1970*. DHEW Publication No. (NIH) 73-439. Washington, D.C.: U.S. Dept. of Health, Education and Welfare. Public Health Service, 1973. 486p. \$5.55 from Superintendent of Documents, Government Printing Office.
- Unannotated. Covers primarily those Chinese sources published between 1960 and 1970, translated by the Joint Publications Research Service and available at the Library of Congress.
- 297 Food Co-op Project, comp. *How To Form a Food Co-op*. San Francisco, Calif.: Earthwork. \$1.
- Overall guide to forming buying clubs and stores. The clear step-by-step format includes extras like sample forms, a list of common case sizes, vignettes of several working co-ops, and a bibliography.
- 298 Forbes, Robert J. *Man the Maker*. London & New York: Abelard-Schuman, 1950. 365p. bibliog. pp. 341-348.
- "The book is sound history, despite errors of detail. The author's tendency to develop catalogs of names makes reading tedious and summarizing difficult. On the other hand, A. G. Keller, in *History of Science*, 1 (1962), 110-11, concludes that no better short survey of the history of technology exists. I am reluctantly inclined to agree." (Eugene S. Ferguson, *op. cit.*)
- 299 Forbes, Robert J. *Studies in Ancient Technology*. 11 vols. Leiden: Brill, 1955- ; 2d rev. eds. of Vols. 1-7, 1964-1966 and of Vols. 8-9, 1971-1972. New York: Heinman. \$80. set.
- Solid and wide ranging. All volumes are illustrated; bibliographies follow each subject-matter section. Vol. 1: Bitumen and petroleum; alchemy; water supply. 2d ed., 1964, 199p. Vol. 2: Irrigation, drainage; power, including water and windmills; land transport, road building. 2d ed., 1965, 220p. Vol. 3: Cosmetics, perfumery; food, alcohol, vinegar, and fermented beverages. 500 B.C.-1500 A.D.; crushing; salt, preservation, mummification; paint, pigment, ink, varnish. 2d ed., 1965, 276p. Vol. 4: Fibers, fabrics; washing, bleaching, fulling, felting; dyes and dyeing; spinning, sewing, basketry, weaving. 2d ed., 1964, 263p. Vol. 5: Leather; sugar and substitutes; glass. 2d ed., 1966, 241p. Vol. 6: Heat and heating; refrigeration; light. 2d ed., 1966, 200p. Vol. 7: Geology; mining and quarrying; mining techniques. 2d ed., 1966, 259p. Vol. 8: Metallurgy; tools; evolution of smithy; gold; silver and lead; zinc and brass. 1964, 288p. Vol. 9: Copper; tin and bronze, antimony and arsenic; early iron. 1964, 295p. Vol. 10: Pharmacy, and Vol. 11: Clay, stone, brick, tiles and pantiles, were never published.
- 300 Frankena, Frederick. *Energy and the Poor: an Annotated Bibliography of Social Research*. Council of Planning Librarians, Exchange Bibliography No. 1307, July 1977. Monticello, Ill.: Mary Vance, editor. 12p. 20 extensively annotated entries. \$1.50.
- 301 Frankena, Frederick. *Energy Intensity: a Selected Annotated Bibliography*. Council of Planning Librarians, Exchange Bibliography No. 1306, July 1977. Monticello, Ill.: Mary Vance, editor. 11p. 20 annotated entries. \$1.50.
- 302 Freeman, Christina, & Pyle, Leo, eds. *Methane Generation by Anaerobic Fermentation: an Annotated Bibliography*. Forest Grove, Oreg.: International Scholarly Book Services, 1977. 64p. \$4.50 paper.
- Intended for people directly involved in building, designing and improving methane generators in developing countries. It includes useful basic and relevant material required to decide on the viability of gas production and to learn from other people's experience.
- 303 French, David. *Appropriate Technology in Social Context: an Annotated Bibliography*. Washington, D.C.: AID, August 1977. 33p. 180 entries.
- 304 Frey, Frederick W.; Stephenson, Peter; & Smith, Katherine Archer, eds. *Survey Research on Comparative Social Change: a Bibliography*. Cambridge, Mass. M.I.T. Pr., 1969. c.1600 annotated entries.
- 305 Friedrichs, Günter. *Aufgabe Zukunft: Qualität des Lebens*. Beiträge zur vierten internationalen Arbeitstagung der Industriegewerkschaft Metall für die Bundesrepublik Deutschland, 11. bis 14. April 1972 in Oberhausen. Band 10 Registerband, Abstracts, Résumés. Frankfurt-am-Main, Europäische Verlagsanstalt, 1972. DM 9.
- Four successive major study congresses were organized by the German Metalworkers' Union (IG Metall). The first three dealt with distinct aspects of automation: its contribution to progress, 1963; its risk 1965; its relationship to unemployment, 1968; and the last, 1972, dealt with "Quality of Life: the Challenge of the Future." This is the last of ten volumes of proceedings. Pp. 101-218 summarize the previous nine volumes; pp. 219-242 give separate person and subject index to the whole series; also includes English and French abstracts of the principal contributions, e.g. by Erhard Eppler, Olof Palme, Robert Heilbroner, Adam Schaff, Henri Janne, Karl William Kapp, Hans Schäfer, Jean Paelinck, Robert Jungk, Alessandro Pizzorno, André Gorz.
- 306 Friend, Gil, & Morris, David. *Energy, Agriculture and Neighborhood Food Systems*. Washington, D.C.: Institute for Local Self-Reliance. 75¢.
- A thoughtful pamphlet which brings the immensity of the problem down to home.
- 307 Friend, Gil, & Morris, David. *Kilowatt Counter: a Consumer's Guide to Energy Concepts, Quantities and Uses*. Milaca, Minn.: Alternative Sources of Energy, 1975. 36p. \$2.
- "... A tool for making informed decisions regarding individual buying habits, energy consumption and conservation, and environmental responsibility. Defines exactly what energy is, how it is used, measured, conserved, wasted, and revered by individuals and society. It explains the potentials of alternative sources of energy. In an easy to comprehend manner, it presents the trends and realities of using nuclear versus organic, solar, wind and other alternative energy resources..." (preface.)
- 308 Friends of the Earth. *Sun!* San Francisco, Calif.: Friends of the Earth, May 1978. 352p. \$2.25.
- A mass-market book about solar energy prepared for Sun Day (May 3). Articles on solar economics, technology, social problems, and economics which are addressed to the lay reader.
- 309 Fritsch, Albert, & Castleman, Barry I. *Lifestyling Index*. Washington, D.C.: Center for Science in the Public Interest, 1974. \$1.50 pap.
- 310 Fritsch, Albert J.; Dujack; & Jimerson. *Energy and Food: Energy Used in Production, Processing, Delivery and Marketing of Selected Food Items*. Washington, D.C.: Center for Science in the Public Interest, 1975. 80p. \$4.
- From their study of energy inputs in commercial food, the authors suggest increased home gardening, a shift to vege-

table from animal protein, reduced use of overprocessed foods, avoidance of nonreturnable beverage containers, and increased purchase of bulk and unpackaged food. A basic reference in this area as well as a primer on energy-intensive agriculture.

- 311 Fry, John; Merrill, Richard; & Merrill, Yedida. *Methane Digesters for Fuel Gas and Fertilizer*. With complete instructions for two working models. Newsletter No. 3. Woods Hole, Mass.: New Alchemy Institute-East, 1973. 46p. bibliog. pp. 45-46. 69 entries.

This newsletter presents a general background of the raw materials and processes of digestion; discusses some preliminary ideas for using methane gas and sludge; describes two designs for building simple working models of digesters; develops feedback from readers who are working on digester projects.

- 312 Fry, L. John. *Practical Building of Methane Power Plants for Rural Areas for Rural Energy Independence*. Santa Barbara, Calif.: L. J. Fry, 1974. \$12. pap.

- 313 Fulton, Len, & Ferber, Ellen, eds. *Directory of Small Magazine/Press Editors and Publishers, 1977-1978*. 8th ed. Paradise, Calif.: Dustbooks, 1977. 185p. Published annually, \$6.95/copy, \$21. for 4 years.

Mostly devoted to literary enterprises rather than nonfiction.

- 314 Fulton, Len, & Ferbert, Ellen, eds. *International Directory of Little Magazines and Small Presses, 1977-78*. 13th ed. Paradise, Calif.: Dustbooks, 1977. 440p. \$8.95.

Includes 356 pages of listings of independent book and periodical publishers; subject index; regional index; list of some 140 book distributors, book jobbers and magazine agents; a list of organization acronyms. Most of these publishers deal with poetry and fiction.

- 315 Fulton, Len, & Ferber, Ellen, eds. *Small Press Record of Books in Print 1977*. Paradise, Calif.: Dustbooks, 1977. 392p. \$8.95.

Published annually in April. Each publication is indexed by author, by title, by publisher and by subject. Each item's listing includes size of the public, number of pages, price and ISBN number in addition to author, title, publisher and date of publication. Periodicals are not included. These are listed fully in the *International Directory of Little Magazines and Small Presses*.

G

- 316 Gabel, Medard. *Energy, Earth, and Everyone: a Global Strategy for Spaceship Earth*. Foreword by Buckminster Fuller & afterword by Stewart Brand. San Francisco, Calif.: Straight Arrow Books, 1975. 160p. \$4.95.

Documents the findings of the 1974 World Game Workshop. Contains detailed global energy inventory, illustrated with over 80 charts, maps and graphs. The feasible solutions here proposed to the energy problems are large-scale industrial devices that centralize power, although they are not nuclear energy installations and ecologically viable. Bibliographic references are given after each chapter. Not a convivial tool but a clever enemy.

- 317 Galanis, Nicolas; Narasiah, S.; & Dang, C. C. *Use of Wind Energy for the Aeration of Waste waters: a Case Study*. 1975. 3p. Send a self-ad-

ressed envelope to: Nicolas Galanis, Mechanical Engineering Dept., University of Sherbrooke, Sherbrooke, Quebec, J1K 2R1, Canada.

Aeration, a phase in solid waste and waste water treatment, provides oxygen which promotes bacterial growth and consequent biodegradation of organic waste. Aeration, which is done by surface aerators, mechanical mixers or by bubbling compressed air through diffusers at the bottom of aeration tanks, could, as shown in this paper, be powered by the wind. Many sewage treatment plants are located in windy areas near seacoasts.

- 318 Ganiere, N. *The Process of Industrialization of China: Primary Elements of an Analytical Bibliography*. Paris: Organization for Economic Cooperation and Development, Development Centre, 1974.

- 319 Ganiere, Nicole, comp. *Transfert technologique et technologies appropriées: bibliographie signalétique. Transfer of Technology and Appropriate Techniques: a Bibliography*. OECD, Centre de Développement, 94 rue Chardon-Lagache, Paris 16. France. 86p. 434 annotated entries.

Covers the period 1967-1972.

- 320 Gardner, Richard. *Alternative America: a Directory of Alternative Lifestyle Groups and Organizations*. 2nd rev. ed. Ottawa, Illinois: Carolina House, June 1979. \$4.95 paper.

Essential source of information on over 5000 alternative groups in the U.S. Cross-indexed alphabetically by name, and under one or more subject headings, and geographically by zip code. Groups listed are most likely to be nonprofit, cooperatively owned and operated, promoting alternative lifestyles, nonestablishment and not government supported.

- 321 Gartner, Alan, & Reissman, Frank, eds. *Self-Help and Health: a Report*. New Human Services Institute Conference held on June 8, 1976. N.Y., New Human Services Institute, Queens College/CUNY, September 1976. 112p. bibliog. pp. 107-112.

The first attempt to gather recent U.S. bibliography on the political implications of the self-help movement in health care.

- 322 Gartner, Alan, & Reissman, Frank, eds. *Self-Help in the Human Services*. San Francisco: Jossey-Bass, 1977.

Includes appendix listing of 130 self-help organizations.

- 323 Gaultier, Marie-Thérèse, & Hamon, Michele, comps. *Éléments de bibliographie internationale pour l'analyse et l'enseignement des langues de spécialité*. Centre de Recherche et d'Étude pour la Diffusion du Français. Paris: Didier, 1971. 135p.

About 800 documents listed and classified according to an international analytical codification. The bibliography is the result of a meeting on "The languages of specialties, linguistic analysis, pedagogical research." The library of CREDIF (Research and Study Centre for the spread of the French language), revised and augmented, served as basis for this bibliography.

- 324 Gay, Larry. *The Complete Book of Heating with Wood*. Charlotte, Vt.: Garden Way, 1974. 128p. \$3.

A well-illustrated and thorough introduction to wood energy in the home, this guide includes discussion of the felling, splitting, and seasoning of wood, woodstoves, ventilation and humidity, and a brief review of the economics of wood heat.

- 325 Gehr, Mariiyn. *Solid Waste Management: a Selected and Annotated Bibliography*. Council of Planning Librarians, Exchange Bibliography No. 1295, June 1977. Monticello, Ill.: Mary Vance Editor. 68p. c.297 annotated entries. \$7.
Includes: conferences and symposia, federal interest, automobile residue, beverage containers, hazardous wastes, paper and plastic organics, project plans and operating programs. States, localities, industry.
- 326 Giedion, Siegfried. *Mechanization Takes Command: a Contribution to Anonymous History*. N.Y.: Oxford University Press, 1948. New York: W. W. Norton, 1969. 743p. \$3.95.
". . . In *Space, Time and Architecture*, 1941, I attempted to show the split that exists in our period between thought and feeling. I am trying now to go a step further: to show how this break came about, by investigating one important aspect of our life: mechanization. . . . At the origin of the inquiry stood the desire to understand the effects of mechanization upon the human being; to discern how far mechanization corresponds with and to what extent it contradicts the unalterable of human nature. . . ." (foreword.) One of the very few sources of information on early industrial assembly lines.
- 327 Gilfillan, S. C. "Social Implications of Technical Advance." Introduction by William F. Ogburn. *Current Sociology/La Sociologie Contemporaine*. Vol. 1, No. 4, 1953-1954. pp. 187-210.
Report on the trends shown in the literature on the social aspects of technological change. Followed by an annotated bibliography by S. C. Gilfillan and A. B. Stafford.
- 328 Gilfillan, S. C., & Stafford, A. B. "Social Implications of Technical Advance: an Annotated Bibliography." *Current Sociology/La Sociologie Contemporaine*. Vol. 1, No. 4, 1953-1954. pp. 211-266.
Covers chiefly the last seven years, but includes a number of titles as far back as 20 years, and a very few older. Divided in three sections: the social causation of invention, including the resistances to making and to adopting inventions; the social effects of science, inventions, industrialization, mechanization, and the adoption of all improved techniques; and the prediction of inventions, and of their effects.
- 329 Gilles, Bertrand, ed. *Histoire des Techniques: Prolegomenes a une histoire des techniques*. La Pléiade, série historique. Paris: Gallimard.
Index: Technique et civilisations: les origines de la technique, les premières grandes civilisations, le système technique des Grecs, les Romains et leurs successeurs, les systèmes bloqués, le Moyen Age, les systèmes classiques, la révolution industrielle, les techniques de l'époque moderne, vers un système contemporain. Technique et sciences: évolution des techniques et analyse économique, la géographie et les techniques, science et technique, technique et langage, technique et sociologie, technique et droit, technique et politique, technique et culture.
- 330 Gish, Oscar, ed. *Health, Manpower and the Medical Auxiliary: Some Notes and an Annotated Bibliography*. London: Intermediate Technology Development Group, 1971. 65p. 134 annotated entries. £1.50.
Gish tries to distinguish between the costly, prestigious, intensely skilled professional, with his long training and his readiness to move away from the community; the paraprofessional nurse whose training is academic and theoretical; and the health auxiliary who has the skills which are needed most of the time.
- 331 Glading, Judith. *Alternative Transportation Modes: Bikeway Planning and Design*. Council of Planning Librarians, Exchange Bibliography No. 941, December 1975. Monticello, Ill.: Mary Vance, editor. 15p. c.69 annotated entries. \$1.50.
Divided in: general, ergonomics and biotechnology, guides to planning, politics of citizen planning and funding, individual city plans for bikeways, bicycle as transportation—commuting, railroads and bikeways, safety, bibliographies (two items).
- 332 Glines, Don E., ed. *Recommended Bibliographies and Information Sources Related to Societal and Educational Futures*. Sacramento, Calif.: Educational Futures Projects, October 1976. 18p. c.260 entries.
Unannotated listing in five sections: bibliographies and guides, 14 items; magazines and newsletters, 15 items; groups and resource persons, 62 items; books and articles, 145 items; and nonprint resources, seven items.
- 333 Goeller, Harold E.; Carlsmith, Roger S., & Others. *Survey of Energy Resources 1974*. United States National Committee of the World Energy Conference, 1974. \$37.50.
Reference work which assembles up-to-date and comprehensive worldwide estimates and informations on the resource base and reserve position of each energy commodity. To a degree, the very nature of the subject gives such data a speculative character.
- 334 Coen, Richard L., & White, Ronald K. *Comparison of Energy Consumption Between West Germany and the United States*. Final Report, June 1975. NTIS-PB-245-652-AS. Prepared for the Federal Energy Administration, Washington, D.C. by the Stanford Research Institute, Menlo Park, Calif., 1975. 103p. \$5.50 from NTIS.
Examines and explains the differences in per capita energy consumption between the United States and West Germany, and quantifies the factors involved. West Germany uses only half as much energy per capita as the United States. Energy use per capita for transportation is only one-fourth of the United States, for residential space heating (climate corrected) only one-half, for other residential uses only one-fourth, and for industrial uses 58 percent. The United States uses at least 40 percent more energy for industry in relation to output as West Germany. The total energy use in the United States in relation to national income is about 50 percent greater than in West Germany. This large disparity in energy use between the two countries suggests that continued economic growth and improvement in the standard of living in the United States should be possible without a proportionate increase in energy consumption.
- 335 Golany, Gideon, comp. *History of Human Settlement: From the Early Age to the End of the 19th Century*. English Bibliographical List. Council of Planning Librarians, Exchange Bibliography No. 77, April 1969. Monticello, Ill.: Mary Vance, editor. 51p. 688 entries. \$5.
- 336 Golding, E. W., & Harris, R. I. *The Generation of Electricity by Wind Power*. rev. ed. London: E. & F.N. Spon, 1976; New York: Halsted Press, 1976. 332p. Selected bibliog. pp. 297-305. \$19.
Among the best references on windpower, with extensive treatment of the history and range of wind machine designs, wind characteristics, wind distribution and large-scale installations.
- 337 Golvin, L. *Les Arts populaires en Algérie. Vol. 1: Les Techniques de tissage*. Alger: Gouvernement général de l'Algérie, 1950. 209p.
Covers a fundamental problem of the position of the artisan

in an economy in process of modernization: the problem of the continuation or the abandonment of a traditional craft. (Difficult to obtain.)

338 Goodhart, Robert, & Shils, Maurice. *Modern Nutrition in Health and Disease*. 5th ed. Philadelphia, Pa.: Lea and Febiger, 1973. 1100p. \$35.

Voluminous and expensive, but the basic reference source to go to if seriously interested in the relation between nutrition and health. Covers the foundations of safety and adequacy of food supply, metabolism and malnutrition during emotional stress, nutrition in the prevention and treatment of disease, and an extensive appendix filled with useful charts and tables. Oriented to the medical professions, but useful to others willing to wade through occasionally opaque terminology.

339 Goodman, Mitchell, ed. *The Movement Towards a New America: the Beginnings of a Long Revolution*. New York: Knopf, 1970. \$5.95.

An amazing compendium of the movement in America since 1956, but mainly the blossoms of the late 60s; unsurpassed, but now dated.

340 Goodman, Paul. 9 Sept. 1911-2 Aug. 1972. "Biobibliography." In *Current Biography 1968*. New York: Wilson. pp. 153-156.

341 Goodman, Paul. *People or Personnel: Decentralizing and the Mixed System*. New York: Vintage (Random), 1968. 247p. \$1.95 pap.

Detailed decentralized model of community life.

342 Goodman, Paul, ed. *Seeds of Liberation*. New York: Braziller, 1962. 551p. \$8.95.

343 Goodman, Paul, & Goodman, Percival. *Communitas: Means of Livelihood and Ways of Life*. New York: Vintage Book (Random), 1960. 248p. \$1.95. pap.

Originally written in 1947, this remains a timeless statement of alternative ways of organizing production and community life. More details of a decentralist model can be found in Paul Goodman's *People or Personnel*.

344 Goodman, Percival. *The Double E*. New York: Anchor Books, 1977. 304p. \$3.50 pap.

The architect and co-author of *Communitas* invokes the guiding principles of ecology and economy in the design of new communities for a new age. In 1946 the authors wrote: "for the first time in history, spectacularly, we have in the United States, a surplus technology, a technology of free choice that allows for the most widely various community arrangements and ways of life." In 1977, the author writes: "Only thirty-five years later what had seemed an everbrimming cornucopia threatens to run dry. Limits, not free choice; scarcity, not surplus, are now the facts that will condition our future."

345 Goodwin, Jack, comp. "Current Bibliography in the History of Technology, 1962- . ." *Technology and Culture*. Vol. 5-0, 1964- . Annual.

A classified bibliography of current materials intended to survey the literature of a given year. There is a gap of about two years between the date of publication and the year of focus. Items omitted from one year's compilation may appear in following years. Many brief annotations. Author and subject indexes. (Eugene Sheehy, *op. cit.* p. 710.)

346 Gotaas, Harold. *Composting*. World Health Organization Monograph Series No. 31, 1956. \$12.80.

One basic sourcebook for composting—the processes next in line behind natural soil processes for treating sewage. Detailed references to exhaustive pathogen studies, chapter on

anaerobic methane production, and a variety of composting processes. Composting provides more speed, with sanitation and production of fertilizer—and methane if anaerobic composting is used.

347 Gothie, Daniel L. *A Selected Bibliography of Applied Ethics in the Professions, 1950-1970: a Working Sourcebook with Annotations and Indexes*. Charlottesville: University Press of Virginia, 1973. 176p. \$4.75.

"This collection assembles the bibliographical data on books and articles of the last twenty years in many fields that focus on ethical implications of human behavior in specific situations. The items listed have little in common with each other, save the specifications set by the compiler. Cohesion is achieved in this volume more through the point of view used in putting it together than through the material itself. One of the requirements for selection is publication during the interval 1950-1970. Admittedly, thinking and practice in many professions and fields of knowledge changed during these years. Thus what we have here is essentially an attempt to make available at a moment in time a considerable portion of what has been said by one generation."

348 Gotsick, Priscilla; Moore, Sharon; Cotner, Susan, & others, comps. *Information for Everyday Survival: What You Need and Where to Get It*. Chicago, Ill.: American Library Association, 1977. 403p. \$10. bibliog. c.2646 entries.

A list of materials that contains information on everyday problems—getting and keeping a job, maintaining a home, caring for children, keeping healthy, managing money, getting along with people, coping with growing older.

349 Graham, Elsie Challand, ed. *The Basic Dictionary of Science*. Edited in Basic English for the Orthological Institute. New York: Macmillan, 1966. 568p. \$6.95.

First published in London by Evans Bros., 1965. Lists some 25,000 terms in the fields of chemistry, physics, biology, medicine, psychology, astronomy, geology, anthropology, engineering, aeronautics, and metallurgy, with definitions given in Basic English, a selection of 850 English words chiefly representative of those key ideas into which more complex ones may be broken down. "The general level of selection and detail is about that of first-year university work." (preface.) Entries give part of speech and discipline to which terms pertain. Appended are lists of technical abbreviations, the chemical elements, homologous series of organic chain compounds, geological timetable, plant and animal kingdom classifications, weights and measures, and conversion factors. (Eugene Sheehy, *op. cit.*)

350 Gray, T. K., & Gashus, O. J., eds. *Tidal Power*. New York: Plenum, 1972. 630p. \$28.

The 25 papers were delivered at an international conference in Nova Scotia in 1970. Discussion centers on the economics, environmental impact, technological options of different systems, and promising sites for future development of this "clean" income-type source of electricity that requires for each site high investments.

351 Griggs, Neil J. *Bibliography on Urban Commodity Transportation*. Council of Planning Librarians, Exchange Bibliography No. 276, April 1972. Monticello, Ill.: Mary Vance, editor. 23p. c.182 entries; related bibliog., p. 23, 7 entries.

These studies are, with a few exceptions, all North American and predominantly United States in origin, with the majority of references being published within the past five years. The publications refer only to articles in urban commodity transportation.

H

352 Grimstad, Kirsten, & Rennie, Susan, eds. *The New Woman's Survival Catalog*. N.Y.: Coward, McCann & Geohagan, 1973. 223p. \$1.35.

353 Gross, Ronald. *The Lifelong Learner: a Guide to Self-Development*. New York: Simon and Schuster, 1977. 127p. \$8.95.

Distinguishes "learning" from all kinds of education that is the result of bureaucratic decisions. This book is a guide to others based on the same distinction, but also to learning exchanges, free universities, apprenticeship programs, etc. in the U.S.

354 Grossman, Richard, & Daneker, Gail. *Guide to Jobs and Energy*. Washington, D.C.: Environmentalists for Full Employment, 1977. 21p. \$2. Literature cited and footnotes: 134 entries.

"... beyond an optimal level of energy consumption per person, further increases in energy use leads to a variety of deleterious effects which ultimately lower growth rates... ERDA commented that the data developed represent: 'a significant break with the proportionality between GNP and energy use which has held approximately even for several decades'... There does not seem to be an immutable direct proportionality between economic growth and energy use...."

355 Groupe de Recherche sur les Techniques Rurales. *Fichier encyclopédique du développement rural*. 34, rue Dumont d'Urville, 75116 Paris.

Encyclopedic card-index on rural development, starting in 1976, four installments per year, individuals: 50,000 fr.fr., institutions: 200,000 fr.fr.

356 Groupe Héliotechnique, ed. *Annuaire Héliotechnique 1975-1976*. Paris: Groupe Héliotechnique, 1976.

Consult for French progress on all kinds of alternative energy issues.

356a Guchet, Yves. *Technique et liberté*. Paris: Nouvelles Editions Latines, 1967. 334p. bibliog. pp. 329-334.

A nontechnical survey of authors dealing with technological society since Saint Simon. Some Frenchmen, generally neglected in English language histories, are dealt with.

357 Gunn, Anita. *A Citizen's Handbook on Solar Energy*. rev. & updated. Washington, D.C.: Public Interest Research Group Publications, October 1977. 90p. \$3.50 individuals, \$15. institutions. bibliog.

Covers four sections: a description of the different solar technologies; ideas on citizen action, from consumer tips for buying solar units to activity at the local, state, and national levels; experts and information sources for more material; bibliography.

358 Gunter, John, & Jameson, William Carl. *The Eco-Council of Planning Librarians. Exchange Bibliography No. 406*. Monticello, Ill.: Mary Vance, editor, 1973. 17p. c.250 entries. \$1.

Covers general ecology, pollution, public health considerations, re-use of disposal sites, and aesthetics. Some authors have compiled the Exchange Bibliographies Nos. 407 and 395 or, respectively, *Recycling and Re-Use: the Future of Solid Waste*, 260 entries, 1973; and *Solid Waste Management: Economics and Operation*, 340 entries, 1973.

359 Hackleman, Michael. *The Homebuilt, Wind-Generated Electricity Handbook*. Culver City, Calif.: Earthmind/Peace Press, 1975. 193p. Annotated bibliog. pp. 193-194. \$7.50.

Longer and more technical than Hackleman's *Wind and Windspinners*, this work takes up the study of horizontal axis machines and is obviously geared for the advanced student of wind/electric systems. A good deal of practical information. Down to earth do-it-yourself.

360 Hackleman, Michael A. *Wind and Windspinners: a "Nuts and Bolts" Approach to Wind/Electric Systems*. Acton, Calif.: Earthmind/Peace Press, 1974. 115p. Annotated bibliog. pp. 113-115. \$8.

In this introduction to wind-generated electricity, Hackleman discusses the easy-to-build, beautiful, but "inefficient" Savonius Rotor and answers questions the owner-builder is apt to ask.

361 Hagen, Arthur W. *Thermal Energy from the Sea*. Park Ridge, N.J. & London: Noyes Data Corporation, 1975. c.149p.

Extends the study of oceanography into the search for alternate energy sources. Most of the information is based on studies conducted by industrial and engineering firms or university research teams under the auspices of various governmental agencies. Here are condensed vital data that are scattered and difficult to pull together. Experimental equipment and structures are reviewed and detailed by actual case histories.

362 Halacy, D. S. Jr. *Earth, Wind, Sun and Water: Our Energy Alternatives*. New York: Harper & Row, 1977. 192p. \$9.95.

"It is possible to drive the world on income energy," asserts Halacy, with safe, renewable resources of geothermal, water, tidal, and sea thermal energy, wind, biofuels, and solar energy. This book can be read easily by high school students.

363 Hall, Halbert Weldon. *Science Fiction Book Review Index, 1923-1973*. Vols. 1-4. Detroit, Mich.: Gale Research Co., 1975. 438p. \$45.

Vol. 6, 1976, available from H. W. Hall, Bryan, Texas, for \$4. paperback, lists 3000 reviews of about 1500 books appearing in about 50 U.S. and British magazines.

364 Hamilton, Blair, comp. *Introductory Annotated Solar Energy Bibliography*. Butte, Mont. National Center for Appropriate Technology, undated. 29 annotated entries.

Most of the items listed are from 1976 and 1977.

365 Hammond, Kenneth A.; Macinko, George; & Fairchild, Wilma B., eds. *Sourcebook on the Environment: a Guide to the Literature*. Chicago: University of Chicago Press, 1978, 614p. \$22.

Critically annotated entries on many issues such as the impact of urbanization, the quality of life, solid waste and resource recovery, and various philosophies and perspectives. References are presented in each field, and directions are given for examining more advanced and specialized works. Appendixes on selected periodicals, the latest relevant federal legislation, and environmental organizations point to further areas of investment.

- 366 Hannon, Bruce M. *Energy, Growth and Altruism: Limits to Growth 1975 Conference*. Sponsored by the Club of Rome. Woodlands, Texas, October 21, 1975. 27p. mimeograph.
- 367 Harper, Peter. "Directory: Bibliography." Godfrey Boyle and Peter Harper, eds. *Radical Technology*. London: Wildwood House; N.Y.: Pantheon, 1976. pp. 267-296.
Brilliant, unsurpassed, theoretical and practical evaluation of a carefully selected body of literature with terse, humorous comments. See also my introduction. *Radical Technology* is one of the first three orders any user of my guide should place.
- 368 Harper, P. "Directory of Alternative Technology." *Architectural Design*, Vol. 46, No. 11, 1974; Vol. 45, No. 4, 1975; Vol. 45 No. 5, 1975. (3 parts).
- 369 Harper, Peter. "In Search of Allies for the Soft Technologies." *Impact of Science on Society*, Vol. 23, No. 4, October-December, 1973. UNESCO.
- 370 Harper, Peter. "Soft Technology and Criticism of the Western Model of Development." *Prospects*, Vol. 3, No. 2, Summer 1973. pp. 183-192.
- 371 Harrah, Barbara, & Harrah, David. *Alternate Sources of Energy: a Bibliography of Solar, Geothermal, Wind and Tidal Energy, and a Bibliography of Solar, Geothermal, Wind and Tidal Energy, and Environmental Architectures*. Metuchen, N.J.: Scarecrow, 1975. \$8.
- 372 Harrah, David F., & Harrah, Barbara K. *Conservation/Ecology: resources for Environmental Education*. Metuchen, N.J.: Scarecrow Press, 1975. 323 p. \$12.
Contains: books, 408 annotated entries; further readings, 409 unannotated entries; periodicals of interest to educators, 123 entries; relevant periodicals, a checklist, c.105 titles; U.S. government publications and agencies, public agencies. Mostly establishment, very few small press publications.
- 373 Harris, Cyril M. *Handbook of Noise Control*. New York: McGraw-Hill, 1957. Vol. 1, various pagings. \$40.50.
Consists of 40 chapters which "are included in the following general groupings: properties of sound, effects of noise on man, vibration control, instrumentation and noise measurement, techniques of noise control, noise control in buildings, sources of noise and examples of noise control, noise control of machinery and electrical equipment, noise control in transportation, community noise, and the legal aspects of noise problems." (preface.) Written by specialists; includes bibliographies. Indexed.
- 374 Harrison, Ira E., & Cosminsky, Sheila. *Traditional Medicine: Implications for Ethnomedicine, Ethnopharmacology, Maternal and Child Health, Mental Health, and Public Health: an Annotated Bibliography of Africa, Latin America, and the Caribbean*. New York and London: Garland Publishing, 1976. 229p. 1135 entries. \$22.
Surveys 1135 items written after World War II. Promises a separate volume on Asia.
- 375 Heichel, G. H. *Comparative Efficiency of Energy Use in Crop Production*. Free Bulletin No. 739, Nov., 1973. Connecticut Agricultural Experiment Station, Editorial Office, 123 Huntington St., Box 1106, New Haven, Conn. 06504. bibliog.
Full of useful numbers, ending with suggestions for increased energy efficiency via green manure fertilizing—the manure spreader returns—and using crop residue for fuel. Long and comprehensive bibliography.
- 376 Heichel, G. H. "Agriculture Production and Energy Resources." *American Scientist*, Vol. 64, No. 1, January-February, 1976. pp. 64-72.
Current farming practices depend on large expenditures of fossil fuels. How efficiently is this energy used, and will we be able to improve the return on investment in the future?
- 377 Heitowit, Ezra D. *Science, Technology, and Society: a Guide to the Field*. Ithaca, N.Y.: Cornell University, Program on Science, Technology and Society, 1977. 600p. Also available from NTIS.
Lists nearly 2000 courses and more than 100 formal programs, institutions and centers in nearly 400 U.S. colleges and universities. Includes also a list of bibliographic resources and periodicals, and "STS" related activities in professional organizations and government agencies.
- 378 Henderson, Bill. *The Publish-It-Yourself Handbook: Literary Tradition and How-To*. Yonkers, N.Y.: Pushcart Press, 1973. 362p. \$5.
Not about writing or printing but about the publishing without the assistance of commercial or vanity (subsidy) houses. Deals principally with the publication of many types of books, but information is included about magazines and journals.
- 379 Henderson, Hazel. *Creating Alternative Futures: the End of Economics*. Fwd. by E. F. Schumacher. New York: Berkley Windhover Book, 1978. 403p. \$4.95 pap.
First there is the demonstration that the actual socio-economic system cannot work for very much longer. Second, the book describes the growing recognition—instinctive, intuitive, rational and practical—that there must be basic changes from the way people live now. Finally Henderson provides a detailed account of the many things people are doing, at various levels, to bring about these changes.
- 380 Herlitzius, Erwin. "Technik und Philosophie: Eine Literaturzusammenstellung neuzeitlichen deutschsprachigen Schrifttums." *Informationsdienst Geschichte der Technik*, Dresden, 5. Jahrgang, Heft 5, No. 23, 1965. SS. 1-36. Unannotated.
Explicitly limited to German works on the philosophy of technology. It is divided into three sections, each arranged alphabetically by author. The three major divisions are: Independent Publications up to 1945; Independent Publications from 1945-1964; and Selected Works from Twenty Periodicals of the German Democratic Republic. Although containing good references to East German Marxist literature during the periods covered, it is otherwise limited. It is much less complete than Dessauer.
- 381 Hermann, S. W., & Cannon, J. S. *Energy Futures: Industry and the New Technologies*. Inform, Inc., 25 Broad St., New York, N.Y. 10004. July 1976. 760p. Price: variable.
"This book covers almost every known alternative energy source, and for each it explains the potential rewards, the problems and the technical approaches available. It tells which major industrial corporations are involved, what solutions they are trying to develop, where their work stands today, and what the expectations are for the near future. It is a mammoth (two-inch-thick) "Who's Who" of commercial corporations trying hard to develop new energy sources . . ." (from a review by William A. Shurcliff.) Price:

\$265 to industry and government; \$160 to educational institutions; very much less to nonprofit environmental and conservation groups.

- 382 Herring, Horace, ed. *Alternative Technology*. Vol. 1. Brighton, Sussex: Smoothie Publications, undated. 123p. mimeograph.

Five articles covering a wide range, some of them reprints from elsewhere, general articles on the philosophy of appropriate technology, alternative energy sources, workers' self-management and Third World appropriate technologies. Contributions by Steven Cuddy, Peter Harper, Horace Herring, Mike Hill, Peter Johnston. Latest date mentioned in bibliography: 1974.

- 382a Herring, Horace, comp. *Alternative Technology Directory*. Brighton, Sussex: Pebble Press, 1978. 73p. £1.50 pap.

Specializes in alternative and appropriate technologies, the environment and self-sufficiency, besides being a useful addition to the literature on health energy and workers' cooperatives. The first part lists magazines, organizations, publishers and bookshops involved in conservation, environment and related education fields, together with relevant government departments. The second and major part contains a book list and indexes to articles in the British eco-press from late 1975 until mid 1978. Extensive index.

- 383 Hess, Karl, & Morris, David. *Neighborhood Power*. Boston, Mass.: Beacon Press, 1975. \$3.45.

A positive overview of the possibilities for urban neighborhoods—the growth of community business, housing, government, production, cooperation. Here are ideas and proposals for making urban communities livable and self-reliant by two persons who have been involved in the Adams-Morgan area of Washington, D.C. for several years.

- 384 Hewson, Wendell E. "Generation of Power from the Wind." *American Meteorological Society Bulletin*, Vol. 56, No. 7, July 1975. pp. 660-675. bibliog. Free from: Dept. of Atmospheric Sciences, Oregon State University, Corvallis, Oreg. 97331.

Excellent introduction to windpower done by Professor Hewson for the Oregon State Senate Subcommittee on Environment and Energy. Covers history, the atmosphere, large wind turbines, wind site surveys, power duration curves, aerogenerator design, windmill farms, novel designs, environmental impacts, cost estimates, time schedule for implementation, and general conclusions. Includes an excellent bibliography.

- 385 Hill, Stuart B., & Ramsay, Jennifer A. *Limitations of the Energy Approach in Defining Priorities in Agriculture*. Paper presented at "Energy and Agriculture" Conference, 16-19 June, 1976. Organized by the Center for the Biology of Natural Systems, Washington University, St. Louis, Mo. 19p. mimeograph. Good bibliog. pp. 15-19, 70 entries.

- 386 Hirst, Eric. *Energy Use for Food in the United States*. ORNL-NSF-EP-57. Oak Ridge, Tenn.: Oak Ridge National Laboratory, October 1973. 43p. References pp. 31-32, 21 entries. Available from NTIS.

This report calculates in detail the quantities of energy required to grow, process, transport, wholesale, retail, refrigerate, and cook food in the United States for the year 1963, using data available from input/output studies. These data are then used to estimate annual energy consumption for food for the period 1960 to 1970. Energy requirements per

unit of food energy and of food protein are computed for the major food groups.

- 387 Hoffman, Mark, & Pronin, Monica, eds. *Land Use Planning Abstracts*. New York: Environment Information Center, 1977. About 2000 abstracts. Published biennially. \$65.

- 387a Holloway, James Y., ed. *Introducing Jacques Ellul*. Grand Rapids, Mich: Eerdmans, 1970. 183p. First published as a special issue of *Katallagete: Be Reconciled*, Winter-Spring 1970.

A collection of articles ostensibly devoted to Ellul and the problems which the technological society poses for Christianity, but actually somewhat wider in scope. Contains a brief biographical note by Ellul, plus the following: Holloway's "West of Eden"; G. Vahanian's "Theology, Politics and the Christian Faith"; C. Lasch's "The Social Thought of Jacques Ellul"; J. Lester's "The Revolution: Revisited"; S. Rose's "Whither Ethics, Jacques Ellul?"; W. Stringfellow's "The American Importance of Jacques Ellul"; J. W. Douglas's "On Transcending Technique"; J. Branscome's "The Educational Illusion"; and J. Wilkinson's "The Divine Persuasion: an Interview on Jacques Ellul."

- 388 Hommel, Rudolf P. *China at Work*. Cambridge, Mass.: M.I.T. Press, 1937. \$3.95.

Surveys the traditional Chinese tools and their uses—tools for making tools, producing food, making clothing, providing shelter and enabling transport. Excellent box bellows, how to mend cast iron, the Chinese origin of the "American" washboard, making roof tiles and caulking boats. The expedition which assembled this material was organized by Henry Mercer, whose tool museum in Doylestown, Pennsylvania, is one of the most extraordinary collections of tools in the world.

- 389 Hoselitz, Bert F., ed. *A Reader's Guide to the Social Sciences*. rev. ed. Glencoe, Ill: Free Press, 1972. 256p. \$3.95 pap.

The idea for this volume on the literature of the social sciences was initially suggested by the requirements of library education. After World War II a tendency developed in library practices toward providing increased knowledge about the contents of books and the criteria of evaluating them. With the present volume on the social sciences, the idea developed that a volume on the literature of the social sciences might be useful to a wider audience than librarians and at the same time might serve that group as well.

- 390 *How-To-Do-It Books: a Selected Guide*. 3d ed. rev. New York: Bowker, 1963. 265p.

First ed. 1950 and 2d ed. 1954, by Robert E. Kingery. Lists more than 4000 "know-how books, pamphlets, government documents, etc., relating primarily to the nonvocational, spare-time recreational, and home-making activities of men, women, and children." Arranged by subject with detailed index.

- 391 Hudson, Mike. *The Bicycle Planning Book*. London: Open Books/Friends of the Earth, 1978. 154p. \$1.95.

There are 103 million bicycles in the U.K.; five percent of all journeys (and two percent of total passenger miles) are travelled in whole or part by bike; in 1976, 1.1 million bicycles were sold and there were 1.25 million new car registrations; however the crude accident rate makes cycling ten times as dangerous per mile. This is the basis of the Friends of the Earth campaign to improve the lot of the cyclist. Hudson's argument touches the safety question, so the discussion and interpretation of the available data is the most important chapter. He provides the information to make cycling safer and more pleasant.

- 392 Huffaker, C. B., ed. *Biological Control*. Proceedings of an AAAS Symposium on Biological Control, held at Boston, Mass., December 30-31, 1969. New York/London: Plenum Press, 1971. 511p. Literature cited, 40 entries, pp. 467-468. \$8.95 pap.

A collection of papers of the Ecological Society of America and the American Association for the Advancement of Science Symposium. The objective of this book is to present biological control as a significant and realistic option in pest control programs. The emphasis is on documented cases of biological control and the use of biological control in developing integrated control programs around the world. The scope of the examples, geographically, systematically, and ecologically is sufficient to suggest that with persistence and imagination, biological control can be utilized anywhere.

- 393 Hugo-Brunt, Michael. *A History of the Social, Philanthropic and Planning Movements from the 18th Century to the Present: a Bibliography*. Council of Planning Librarians, Exchange Bibliography No. 1016-1017-1018, April 1976. Monticello, Ill.: Mary Vance, editor. 123p. c.2047 entries. \$12.

- 394 Huke, Robert, & Sherwin, Robert Jr. *A Fish and Vegetable Grower for All Seasons*. 1977. 125p. Extensive bibliog. \$4.95.

The greenhouse polyculture systems described are for aquaculture, horticulture, or both together. Topics discussed are: sheltered food production, history of the greenhouse, aquaculture for food, and the dome.

- 395 *Human Rights Organizations and Periodicals Directory*. Berkeley, Calif.: Meiklejohn Civil Liberties Institute. \$6.75.

A listing of hard-to-find groups and publications "dedicated to the expression, expansion, and protection of basic human rights." A listing of nearly 500 organizations and publications is intended to be representative of national, international, and local groups including those that are "agitational or controversial" in addition to those more generally accepted.

- 396 Hunter, John M., ed. *The Geography of Health and Disease*. Paper of the First Carolina Geographical Symposium, 1974. Studies in Geography No. 6. Chapel Hill: University of North Carolina, Dept. of Geography, 1974. 193p. Extensive bibliographies complete each chapter.

"... the central idea or very essence of medical geography stems from the basic concept that disease may be regarded as an *interaction* of agent, host, and environment. Agent and host mutually interact, and both concurrently interact with the matrix of the total environment. Thus the need for an understanding of the basic dynamics of man-environment interactions is apparent. The discipline of geography does not claim that such dynamic or relational analysis is its exclusive preserve; but what is geography if it is not a discipline that focuses on the analysis of man-environment interactions? If we accept the concept that "disease is interaction," then geography, as an interactional discipline, meshes very finely with, and carries analytical implications for, the better understanding of that concept . . ." (from Chapter 1, p. 2.)

Contents: the geography of nutrition, vectored diseases, nonvectored infectious diseases, chronic diseases, psychological stress, health care: the challenge of medical geography.

- 397 Hunzinger, Claudie; Hunzinger, Francis; & Tievant, Pascale. *De toutes les couleurs ou comment teindre les laines avec les fleurs, les baies, les feuilles et les écorces, tout en vivant au milieu*

d'elles. Paris: Stock, 1976. 376p. bibliog. pp. 369-370.

How to dye wool with flowers, berries, leaves, tree barks while living amongst them.

- 398 Hutcheson, John D., & Shevin, Jann. *Citizen Groups in Local Politics: a Bibliographic Review*. Santa Barbara, Calif.: American Bibliographical Center-Clio Press, 1976. c.155p. \$19.75.

Covers books, monographs, guides, handbooks, articles, reviews, and dissertations published since 1950, with emphasis on the period since 1960. Annotations summarize the content of each work and, when applicable, the methods, objectives, and results of the research involved.

- 399 Hutton, G., & Rostron, M. *International Bibliography of Alternative Energy Sources*. New York: Nichols Publ., 1978. \$50.

Covers all research into alternative energy and its applications, listing 15,000 references to books, journals and papers published worldwide, with annotations on the scope of each item. (Public Policy Book Forecast.)

- 400 *Ideas and Methods Exchange*. Office of International Affairs, Department of Housing and Urban Development, Washington, D.C. 20410.

This exchange is a series of free specialized publications developed for use of U.S. AID missions.

- 401 Illich, Ivan. *Celebration of Awareness: a Call for Institutional Revolution*. Intro. by Erich Fromm. New York: Doubleday, 1971; Harmondsworth, Penguin, 1973. 156p. \$1.95; £0.50.

"Each chapter in this volume records an effort of mine to question the nature of some certainty. Each therefore deals with deception—the deception embodied in one of our institutions. Institutions create certainties, and taken seriously, certainties deaden the heart and shackle the imagination. It is always my hope that my statements, angry or passionate, artful or innocent, will also provoke a smile, and thus a new freedom—even though the freedom come at a cost." (preface.)

- 402 Illich, Ivan. *Deschooling Society*. New York: Harper & Row, pap., 1972. Harmondsworth: Penguin, 1973. 116p. \$1.95; £0.70.

Argues that school has the prestige it does because it is one of the major means by which the status quo is preserved. It is not only inefficient in terms of education, but also profoundly divisive. *Deschooling Society* has become a classic statement of a new and disturbing view of the school as an institution. One of the most important books on education of the 1970s.

- 403 Illich, Ivan. *Energy and Equity*. Ideas in Progress. London: Calder & Boyars, 1974. 96p. bibliog. pp. 91-96. £1.25. In the U.S. this essay is included in *A History of Needs*, New York: Pantheon, 1978. \$2.95 pap.

High quanta of energy degrade social relations just as inevitably as they destroy the physical milieu. While people have begun to accept ecological limits on maximum per capita energy use as a condition for physical survival, they do not yet think about the use of minimum feasible power as the foundation of any of various social orders that would be both modern and desirable. Yet only a ceiling on energy use can lead to social relations that are characterized by high levels of equity. The one option that is presently neglected is the only choice within the reach of all nations. It is also the only strategy by which a political process can be used to set limits

on the power of even the most motorized bureaucrat. Participatory democracy postulates low energy technology.

- 404 Illich, Ivan. *Medical Nemesis: the Expropriation of Health*. New York: Pantheon, 1976; New York: Bantam, 1977. 299p. \$2.50 pap.

Published in England under the title *Limits to Medicine* with subtitle *Medical Nemesis, the Expropriation of Health*. London: Marion Boyars Publ., 1976.

The approximately 600 references and bibliographic footnotes provide the lay reader with guidance towards the political evaluation of medicine's effectiveness.

- 405 Illich, Ivan. *The Right to Useful Unemployment and Its Professional Enemies*. Open Forum. London: Marion Boyars Publ., 1978. 95p. £3.95.

In the U.S. this essay is included in *A History of Needs*. New York: Pantheon, 1978. \$2.95 pap.

Essay on trade-offs between commodities and use-values in a modern society.

- 406 Illich, Ivan. *Tools for Conviviality*. New York: Harper & Row (Perennial Library), 1973; Glasgow: Fontana/Collins, 1975. 119p. \$1.25 £0.60.

See the introduction to this Guide.

- 407 Illich, Ivan. *Toward a History of Needs*. New York: Pantheon, 1978. 143p. \$2.95 pap.

Important chapter on "Useful Unemployment and its Professional Enemies." 1977. essay on trade-offs between commodities and use-values in a modern society; contains among others the U.S. edition of *Energy and Equity*, 1973.

- 408 Inhaber, Herbert. *Environmental Indices*. New York: Wiley-Interscience Publication, 1976. c.175p. bibliog. pp. 164-166. \$15.25.

"Environmental indices are simple mathematical tools, they help understand how the state of the environment compares to desirable conditions. Indices are used for a wide variety of environmental topics. The chapters are arranged so that those interested in particular topics can find them easily. There are chapters on air, water, and land, as well as on such less well-studied aspects as vibration and odor."

- 409 *Innovative Graduate Programs Directory*. 2d ed., April, 1976. Available from the Learning Resources Center, Saratoga Springs, New York.

Describes programs in over 200 subject areas ranging from adult education to water resources management. Programs either give graduate credit in new fields or offer external degrees in traditional fields. It is not all-inclusive and the descriptions are incomplete (mostly from the college catalogs).

- 410 Integrative Design Associates. *Appropriate Technology: a Directory of Activities and Projects*. NSF/RA-770064. Washington, D.C.: National Science Foundation, 1977. 75p. bibliog. pp. 59-66. c.84 annotated entries. Available free from: Design Alternatives, Inc.

Covers the U.S. The authors surveyed the field to learn from individuals and groups about the scope of their activities, the legal and technical problems they are facing in moving from idea to application, and their recommendations for federal activity in support of appropriate technology.

- 411 *International Bibliography of Dictionaries, Fachwörterbücher und Lexika, ein Internationales Verzeichnis*. 5th rev. ed. New York: Bowker; München: Verlag Dokumentation, 1972. 511p.

First edition 1960 published as *Technik und Wirtschaft in fremden Sprachen; internationale Bibliographie der Fachwörterbücher*, by Karl Otto Saur. This edition employs a classified subject arrangement, with indexes of authors and editors, publishers and distributors, and subject fields.

About 5000 entries. Emphasis is on works published since 1960, but includes older works which are still in print. (Eugene Sheehy, *op. cit.*).

- 412 International Development Research Council. *List of Publications for 1970-1973*. IDRC-030e. Ottawa, International Development Research Council, 1974.

- 413 International Learning Systems. *Foreign Language Mail Order Catalog, 1978*. Washington, D.C. 57p. Free.

ILS is an importer and distributor of foreign materials, international affairs, area studies books, travel guides, maps and international arts and crafts. The language section alone has materials in over 100 languages. The catalog contents: recorded language courses; dictionaries and grammars; books for teachers, linguistics; games and puzzles.

- 414 International Mass Media Research Center. *Marxism and the Mass Media: Towards a Basic Bibliography*. Nos. 1-3, rev. New York: International General, 1978. \$4.50 pap.

Ongoing irregularly published series on all aspects of communications: press, radio and TV, publishing, advertising, film, etc. Each issue has over 500 multilingual, annotated entries indexed by author, subject and country. No. 4-5, 1976, is available, \$4. and No. 6-7 is in preparation. (Public Policy Book Forecast.)

- 415 *International Video Exchange Directory, 1978*. Annual, from Video Inn, 261 Powell Street, Vancouver, B.C., Canada.

A vehicle for the direct exchange of tapes and information among small format video producers and noncommercial users of video. It is not a list of everyone doing video but of those interested in exchange. Only those listed receive a copy of the directory.

- 416 Interstate Electronics Corporation, Oceanic Department. *Bibliography on Ocean Waste Disposal*. Washington, D.C., U.S. Environmental Protection Agency, Ocean Disposal Program Office. May 1973. 105p. Available from NTIS.

This research bibliography is restricted to documents relevant to the field of ocean waste disposal. It is primarily limited to texts published from January 1968 through April 1973.

- 417 *Interstate Library Planning Group Directory*, c/o Marion Otteraaen, Longview Public Library, 1600 Louisiana, Longview, Wash. 98632, U.S.A.

A unique attempt at breaking down the library resources of the 12-county area around Portland/Vancouver. It is a subject indexed guide to librarians who would be willing to share their avocational expertises. The subject range is intriguing, including: costume history, nutrition, open space schools, urban geography, videotapes, violin, energy, and over 100 other subjects. (Steve Johnson, *Rain*.)

- 418 In the Making, eds. *In the Making 5*. 1978 ed. of the "Directory of Co-operative Projects." £0.75.

- 419 *Irregular Serials and Annuals: an International Directory*. New York: Bowker, 1967- . Biennial (beginning 1972).

A companion to *Ulrich's International Periodical Directory*, following the general format and classified arrangement of that work and attempting the same international coverage. The two publications are now issued in alternate years. The third edition (published 1974) provides publication information on some 25,000 "current" serials (i.e., titles whose last issue was published no earlier than 1966) issued annually, less frequently than once a year, or irregularly. Lists a wide range of foreign and domestic yearbooks, transactions, proceedings, etc., including the many "advances" and "prog-

ress in" series in the pure and applied sciences. The second edition was paged continuously with the 14th edition of *Ulrich's* and the "Title Index for Bowker Serials Bibliography" (pp. 2781-3381) includes page references for titles in *Ulrich's* as well as title and subject references for *Irregular Serials and Annuals*. (Eugene Sheehy, *op. cit.*)

420 *ISIS, Quarterly Journal of the History of Science Society*. Smithsonian Institution, Washington, D.C. 20560.

The "Critical Bibliography of the History of Science and its Cultural Influences" is published yearly in *ISIS*, but appeared more often in its earlier years. The "90th Critical Bibliography" appeared in Volume 56 (Winter 1965). While the emphasis upon technology is slight, there are many works listed that are as important to the historian of technology as to the historian of science. A 50-year index to *ISIS* is published. A table of contents and index of Volumes 1-20 were published in 21 (1934), pp. 502-698. (see 570, 571).

J

421 Jackson, Albert, & Day, David. *Tools and How To Use Them: an Illustrated Encyclopedia*. New York: Knopf, 1978. \$8.95 pap.

1500 drawings and text show how to choose, handle, operate, and maintain every conceivable hand tool and power tool of interest to anyone who has a home workshop. (from announcement.)

422 Jackson, Mildred, & Teague, Terri. *The Handbook of Alternatives to Chemical Medicine*. Oakland, Calif.: Lawton-Teague Publications, 1975. 176p. \$5.95.

Resource book on herbal remedies, put together by two persons who have been working with healing for a long time.

423 James, Dilmus D. "Bibliography on Science and Technology Policy in Latin America." *Latin American Research Review*, Vol. 12, No. 3, 1977. pp. 71-101. c.540 entries.

More than half of the items are from four sources: *Comercio Exterior*, the monthly publication of Banco de México de Comercio Exterior which is by far the leading journal publishing literature on science and technology in developing countries with emphasis on Latin America; The Department of Scientific Affairs, Organization of American States is the second most prolific source, with *El Trimestre Económico* perhaps the third most important publishing vehicle; *World Development*, relatively new journal, has been coming on strong in the last several years. Also includes items which do not deal directly with Latin America. Items included are overwhelmingly published after 1970. Less than ten percent of the entries are relevant for labor-intensive, adequate, or use-value oriented technology development.

424 Jackson, S. *Economically Appropriate Technologies for Developing Countries: a Survey*. Occasional Paper No. 3. Washington, D.C.: Overseas Development Council, 1972.

425 Janne, H. "Notes Critiques Relatives a la Sociologie de la Technique." *Revue de l'Institut de Sociologie*, Bruxelles, No. 4, 1952. pp. 531-632.

Now dated review of French contributions to sociology of technology and of technical progress.

426 Japan Consulting Institute, ed. *How To Start Smaller Industries*. Series 1-6. Tokyo: Japan Consulting Institute.

Since 1969 J.C.I. has been putting out a series of booklets

outlining how to set up various industrial plants at minimum cost and scale as part of technical assistance they provide on a consulting basis to foreign clients (largely in Asia) establishing industrial plants. Information on each industry includes outlines of the industry, description of the process, construction of the plant, number of employees, necessary expenditures, production capacity, return on investment, and locational factors. Toilet paper plants, sawmills, mosquito coil (a natural repellent) making, umbrella manufacture, screw making, and 111 more industries. Limited numbers available.

427 Jeavons, John. *How To Grow More Vegetables Than You Ever Thought Possible on Less Land Than You Can Imagine*. A Primer on the Life-Giving Biodynamic/French Intensive Method of Organic Horticulture. Palo Alto, Calif: Ecology Action of the Midpeninsula, 1974. 82p. bibliog. pp. 78-82. \$4.

Four years of research by Ecology Action of Midpeninsula, a California-based nonprofit environmental education organization, indicate it may soon be possible to grow an entire balanced diet on $\frac{1}{4}$ to $\frac{1}{20}$ the area required by present commercial world agriculture techniques. The key to this breakthrough is the biodynamic/French intensive method, a high-yielding, environmentally sound system of agriculture that uses as little as $\frac{1}{2}$ to $\frac{1}{16}$ the nitrogen fertilizer, $\frac{1}{2}$ to $\frac{1}{16}$ the water and $\frac{1}{100}$ the energy consumed by standard techniques per pound of food produced. Up to ten times the gross income may be produced per acre by farmers using the special techniques, at little capital expense.

428 Jenkins, Frances Briggs. *Science Reference Sources*. 5th ed. Cambridge, Mass.: M.I.T. Press, 1970. 231p.

A list of references for a course in a library school. Emphasis is, as it should be, upon current catalogs and reference services; however, sections on history, biography, organizations, patents, research reports, and serials are provided for the several branches of science and technology. Of particular interest is "Engineering Sciences," pp. 102-116, which covers engineering and not the engineering sciences properly speaking. Sheehy is of course a much more comprehensive work. (Eugene S. Ferguson, *op. cit.*)

429 Jenkins, Gareth. *Non-Agricultural Choice of Technique: an Annotated Bibliography of Empirical Studies*. Oxford: Oxford University Press, Institute of Commonwealth Studies, 1975. 84p. £2.75.

Choice of technique in developing countries; range of techniques available and surplus generated by them; and a general assessment of the issues of conventional economics on this subject. Use-value technique economy. Section 9 gives 11 other relevant bibliographies.

430 Jequier, Nicolas. *Appropriate Technology: Problems and Promises*. Part 1. Stanford, Calif.: Volunteers in Asia, 1976. \$2. in the U.S., \$1. to developing countries.

Volunteers in Asia has prepared a low-cost edition of Nicolas Jequier's paper that OECD was selling for \$12.50 and that was available for \$7 from Control Data Technotech under the title "An Inquiry into Low Cost Technology Policy Issues." It is a good overview of appropriate technology for the Third World.

431 Jewell, William, ed. *Energy, Agriculture and Waste Management*. Proceedings of the 1975 Cornell Agricultural Waste Management Conference. Ann Arbor, Mich.: Ann Arbor Science, 1975. 540p. \$22.50.

Jewell has collected some of the best and most up-to-date articles on waste management and its effects on energy use in agriculture. Techniques, economics, alternatives, and limitations are presented.

432 Joan. Polly, & Chesman, Andrea. *Guide to Women's Publishing*. Paradise, Calif.: Dustbooks, 1978. 296p. \$4.95 pap.

Contents: feminist journals, women's newspapers, feminist small press publishing, all-women print shops, distribution, directories, writer's resources, review publications, listings of libraries and archives, organizations, bookstores, and mail order.

433 Johnson, David, & others. *Current Issues in U.S. Defense Policy: the Center for Defense Information*. New York: Praeger, 1976. 254p. \$18.

The Center is an independent, nonpartisan research and education agency. It analyzes U.S. military policy, weapons systems, spending, and alternative policies when it appears in the national interest to do so. It does not accept any government money or money from defense contractors. Six chapters deal with military policies in foreign areas, and another eight with major weapons complexes. Each chapter can serve as a guide to highly qualified bibliography dealing with the theme.

434 Jones, J. Owen, & Jones, Elizabeth. *Index of Human Ecology*. London: Europa Publications, 1974. 169p.

Human ecology and environmental planning. Only English language published material. Small Press publications are not mentioned.

435 Jungk, Robert. *Der Jahrtausendmensch. Bericht aus den Werkstätten der neuen Gesellschaft*. München: Bertelsmann, 1973. Reinbek-bei-Hamburg: Rowohlt Taschenbuch, 1976. 301 S. DM 6.80.

Even though the report aims at international coverage of alternatives to an industry-centered future, this book is still the only well-rounded and documented guide to German initiatives and proposals which deal with environmentally adequate, use-value oriented, and politically decentralized options.

Jungk, Robert. *Millenial Man: a World Report on the Prospects for a Human Future*. New York: Live-right, 1976. \$8.95.

K

436 Kahn, Lloyd, & Easton, Bob, eds. *Shelter*. Bolinas, Calif.: Shelter Publications, 1973. 176p. \$6. Gives information on simple building in various areas, with photos, sketches, plans, structures, and brief texts.

437 Kanter, Rosabeth Moss. *Communes: Creating and Managing the Collective Life*. New York: Harper & Row, 1973. 544p. \$7.50 pap.

Forty-five contributions on the history, sociology, psychology of communes in recent times, mostly in the U.S.A.

438 Katz, William A., ed. *Introduction to Reference Work*. 2 vols. New York: McGraw-Hill, 1974. Vol. 1, \$11.95; Vol. 2, \$10.95.

Contents: Volume 1, basic information sources; Volume 2, reference services. The two-volume set serves as a basic text for the study of reference work. Volume 1 alone may serve as a guide for student, layman, or librarian; basic sources are grouped therein by type, and many are treated at some length. Volume 2 is concerned with principles and practices of reference service.

438a Katz, William, & Richards, Berry G. *Magazines for Libraries*. New York: Bowker, 1978. 937p. \$35.

Covers 6500 periodicals "which the editors and contributors believe to be the best of the more than 65,000 titles now available."

439 Käsmayr, Benno, Hrsg. *Bücher die man sonst nicht findet: Katalog der Minipressen 1976-1977*. Gersthofen, Maro Verlag Benno Käsmayr, August 1976. 335p. bibliog. pp. 290-335.

Guide to over 900 German books and journals and voice recordings: poetry, literature, and art, most not mentioned in the ordinary library reference tools because they are considered marginal to established culture. Pages 6-36: several short essays that survey the "scene"; pp. 39-276: extracts from the catalogs of almost one hundred small publishers and presses; pp. 277-287: alphabetical list of publishers with their addresses; pp. 289-337: list of books in print, alphabetical by author.

440 Kerr, Clark; Dunlop, John T.; Harbison, Frederick; & Myers, C. A. *Industrialism and Industrial Man*. 2d ed. Harmondsworth: Penguin, 1973. Originally, Harvard University Press, 1960.

This book is a product of the "convergence theory" (that the U.S.A. and U.S.S.R. would become structurally more alike) which grew out of "the end of ideology" period of American sociology. One of its ringing slogans is "There is one best technology": a concise statement of the one-dimensional thesis. Although the authors acknowledge the possibility of small local variations (e.g. measures of worker control), and in the "ten years after" edition recognize the influence of "the new Bohemianism" as an unexpected factor of the post-industrial period, they see the future as roughly more of the same, and the evidence they gather is quite impressive. (Peter Harper.)

441 King, Maurice. *A Medical Laboratory for Developing Countries*. London: Oxford University Press, 1973. £4.

Aims to bring the minimum level of pathological services within the range of everyone in developing countries and is written especially for laboratory and medical assistants who work in health centers and district hospitals. Each piece of equipment needed in a medical laboratory is fully described and illustrated in detailed drawings. Every step in the examination of specimens is simply explained and the method of performing it illustrated; the methods chosen are those that give the greatest diagnostic value at the minimum cost. Ways of obtaining specimens are given, and where it might prove helpful some anatomy, physiology, and a brief account of treatment is included. The last chapter contains a detailed equipment list. Splendid.

442 King, Richard L. *Airport Noise Pollution: a Bibliography of Its Effects on People and Property*. Metuchen, N.J.: Scarecrow, 1973. 380p. \$11.

More than 1200 numbered items in six broad subject categories: environmental noise pollution; aircraft noise pollution; airport noise pollution; noise pollution and human health; noise pollution and property values; and control and abatement of noise pollution. Includes a directory of government, university, research, professional, civic, business, and international and foreign organizations concerned with noise pollution. Author and subject indexes.

443 Knobbe, Mary L. *Air Pollution: a Non-Technical Bibliography*. Council of Planning Librarians, Exchange Bibliography No. 83, May 1969. Monticello, Ill.: Mary Vance, editor. 9p. 70 annotated entries. \$1.

- 444 Kochen, Manfred, & Donohue, Joseph C. *Information for the Community*. Chicago, Ill.: American Library Association, 1976. \$10.95.

All-around summary of urban information needs and the role of libraries in meeting those needs. Contains a good article on community communication patterns, and a summary of urban information needs.

- 445 Kohr, Leopold. *The Overdeveloped Nations; the Diseconomies of Scale*. reprint. New York: Schocken, 1978. \$9.95.

"Overdeveloped" nations are bound to devour both the health of their people and the resources on which the future depends. There is a naturally healthful size—varying with local conditions—for human societies, and when this scale is exceeded self-destruction begins." Professor Kohr, an economist who now teaches at the University College of Wales, argues from history and analogy that excessive size dooms both cities and nations. This book was written more than 20 years ago.

- 446 Kotler, Milton. *Neighborhood Government: the Local Foundations of Political Life*. New York: Bobbs Merrill, 1969. \$2.95 pap.

Traces the history of the takeover and exploitation of independent communities by central city governments. Proposes a practical mechanism—the neighborhood corporation—by which local communities can regain self-rule, political autonomy and representation in larger units of government. Discusses neighborhood economics, strategies for gaining self-rule, and the feasibility of community legislation. A basic book on neighborhoods.

- 447 Kowalski, Gregory. *Technology and Social Change Bibliography: 1976*. Council of Planning Librarians, Exchange Bibliography No. 1200, January 1977. Monticello, Ill.: Mary Vance, editor. 30p. 392 entries. \$3.

- 448 Kropotkin Chronology. by V. Munoz. Brooklyn, N.Y.: Revisionist Press. \$29.

- 449 Kropotkin, Petr. *Fields, Factories and Workshops Tomorrow*. ed. with intro., abridgments & notes by Colin Ward. 1st ed. London 1899. New York: Benjamin Blau, 1968; London: Allen & Unwin, 1974.

This is a bringing up-to-date of Kropotkin's analysis of the possibilities for "Radical Technology" in his era, showing that what was feasible in 1900 is long overdue in 1976. (Peter Harper.)

- 450 Kropotkin, Petr. *Revolutionary Pamphlets*. ed. by Roger Baldwin. Magnolia, Mass.: Peter Smith. \$5.50.

- 451 Kropotkin, Petr. *Selected Writings on Anarchism and Revolution*. edited, with an intro., by Martin A. Miller. Cambridge, Mass., London: M.I.T. Press, 1970. 374p. bibliog. pp. 360-362.

- 452 Kruger, Paul, & Otte, Carel, eds. *Geothermal Energy*. Stanford, Calif.: Stanford University Press, 1973. 360p. \$17.50.

Clearly written contributions to the sparse literature on geothermal energy, these 18 essays assess resource potential, environmental impact, and the "stimulation of reservoirs" (a euphemism for underground nuclear blasting).

- 453 Kumarappa, Bharatan. *Capitalism, Socialism or Villagism?* with a fwd. by Mahatma Gandhi. Varanasi: Sarva Seva Sangh Prakashan, 1965. Written in 1944 & first pub. in 1946.

"The aim of this book is to show for what exactly the move-

ment for khadi (handspun, hand woven cloth) and village industries stands. This movement centers around the village and its welfare. It seeks to build the economic life of the country by developing strong, self-reliant village units, the members of which will be bound together by mutual obligations and will cooperate with each other to make the unit prosperous and self-sufficient for all their essential needs . . . Villagism aims at the development of the smallest village unit and through it at the development of every member of it, even the very lowest and the least. In the section entitled "Village Economy in the Making," an attempt has been made chiefly to guide the village worker in his task, keeping in mind the limited resources available to him, rather than to suggest plans which can be put into effect only by the government . . ." (preface.)

L

- 454 LaFollette, M. C., comp. *The Citizen and Science Almanac and Annotated Bibliography*. Bloomington, Ind.: The Poynter Center on American Institutions, 1977. 129p. bibliog. 500 entries. \$2.50.

- 455 Laitner, Skip. *Citizens' Guide to Nuclear Power*. Washington, D.C.: Critical Mass Center for Responsive Law.

Its purpose is to inform the public on the dangers of nuclear power; inform citizens on how best to organize opposition; how to proceed to get an anti-nuclear bill introduced and passed at the state and national level; how citizens can have an impact on private and public energy decision-making and more. Simply and clearly written, this manual is a thorough effort in this direction.

- 456 Laitner, Skip, ed. *Decentralized Energy Systems*. Based on research and work completed by Frederick M. Varney. Washington, D.C. Critical Mass, September 1975. 26p.

- 457 Laitner, Skip. *The Impact of Solar and Conservation Technologies upon Labor Demand*. Paper presented to the Conference on Energy Efficiency, Washington, D.C., May 20-21, 1976. 11p., Available from Public Citizen.

An excellent and important, well-referenced analysis of the employment benefits of alternatives to conventional power generation. Clarifies many issues: employment increases generated through more efficient appliances; comparative job intensities of nuclear and solar resources (solar technologies provide roughly 2.5 times more jobs per unit of energy than will nuclear); and capital savings of solar industries.

- 458 Langen, Dietrich. *Der Weg des Autogenen Trainings*. Darmstadt: Wissenschaftliche Buchgesellschaft, 1976. 391p. Deutschsprachige bibliog. pp. 379-391.

Self-induced relaxation and vitalization of select organs, under the name of "autogene training," since the late Fifties has acquired recognition as a legitimate therapy on the fringes of modern medicine in Germany. This anthology of 47 contributions to the study of this method and with a German language bibliography of 190 items provides the best introduction available to a procedure that has many points in common with E. Jacobson's *Progressive Relaxation* and G. Dick-Read's *Childbirth With Fear*.

- 459 Lapedes, Daniel N., ed. *McGraw-Hill Dictionary of Scientific and Technical Terms*. New York: McGraw-Hill, 1974. 1660p. \$39.50.

Concise, clear, well-illustrated, and easy to read. The discipline generating the word is indicated; this makes it easy to

tell where you can find out more about the subject in the definition.

- 460 Lappé, Frances Moore. *Diet for a Small Planet*. Rev. & updated. New York: Ballantine, 1975. 409p. \$1.95 pap.

This book is divided into four parts: a critique of food production, distribution, and consumption patterns; a discussion of protein and human needs; details of nonmeat sources of protein; and recipes which result in maximum protein utilization without reliance on unecological and unsafe meat sources. Lappé describes a way to minimize the amount of concentrated pesticides and heavy metals ingested from meat protein. She presents eight basic "myths" about the body's need for protein and how it is obtained, and summarizes the facts with respect to each myth. Contains a catalog of tables, charts, illustrations, references, formulas, and comparison calculations, and a cookbook of recipes for complementary protein delights. See also companion volume, based on the same principles: *Recipes for a Small Planet*.

- 461 Lappé, Frances Moore, & Collins, Joseph. *Food First: Beyond the Myth of Scarcity*. Boston, Mass.: Houghton Mifflin, 1977. 466p. \$7.95.

This book dispels a great many superficially plausible misconceptions about world food supply. All the crucial or definitive statements are backed by documentation in scientific literature—the applied science of agricultural and sociological research. The heart of the book is described in the following paragraph: "... media-repeated themes of scarcity, guilt, and fear are all based on myths. In fact, every country in the world has the capacity to feed itself. The hungry are not our enemies nor our competitors. The malnourished abroad are not hungry because of the individual greed of the average American. Rather, the hungry are victims of a scarcity-creating system. Hungry people do, can, and will feed themselves if they are allowed to. If people are not feeding themselves, it is because there are powerful obstacles in the way. Neither shortage of land nor of food is the cause of current hunger. There is no shortage of either. Food distribution only reflects the more fundamental issue of who controls and who participates in the production process . . ."

- 462 Law, James P. *Agricultural Utilization of Sewage Effluent and Sludge: an Annotated Bibliography*. Washington D.C.: Federal Water Pollution Control Administration, U.S. Department of the Interior, 1968. 284 entries.

The effluent and sewage sludge from municipal and industrial treatment plants is a source of water and nutrients for agricultural uses. Considering its potential, only a relatively few instances of agricultural uses of waste water in crop production have been recorded. These references describe uses which aid crop production, make use of water that would have been wasted, decrease the pollutant load on the receiving streams, and preserve the normal stream flow for downstream users.

- 463 Lawrie, L. G. *A Bibliography of Dyeing and Textile Printing*. Comprising a list of books from the 16th Century to the present time (1946). London: Chapman & Hall, 1949. 143p. c.816 entries.

Part I consists of a list of books printed from the 16th Century until 1946 in alphabetical order by author. Part II gives a short-title list of works in chronological order which will prove of value from the historical point of view and, in addition, will enable one to identify the current literature as well as that of any particular period.

- 464 Leach, Gerald. *Energy and Food Production*. London & Washington, D.C.: International Institute for Environment & Development, June 1975. 153p. bibliog. 132 entries. £1., \$2.

Excellent survey of what is known. He also wrote *Low Energy Strategy for the U.K.* 1979. £7.50

- 465 Le Chapelier, Pierre. *Energie solaire et habitat. Utilisation domestique de l'énergie solaire*. Paris, No. 59, spécial, de l'Affranchi, June 1975. 122p. 35,-fr.fr.

On the domestic use of solar energy, articulated around three main axes: theory, architecture, and implementation. The skilled amateur and the able technician could benefit from the assembled information. Authors are engineers and architects. Another special issue is dedicated to "éoliennes and habitat." 25,00 fr.fr.

- 466 Legislative Commission on Energy Systems. *Energy and Employment in New York State. Draft Report, May 1976*. State of New York, Albany, N.Y.

This analysis shows that New York State has three viable, indigenous alternatives to coal and nuclear energy that can be employed immediately at lower capital and energy costs than the conventional nuclear or coal options while at the same time creating more employment within the state for an equivalent amount of energy produced than either nuclear or coal. These alternatives are conservation, wood and wind. In each case the energy production or savings of the alternative have been compared to the equivalent energy from coal or nuclear for worker years on a 30 year cumulative basis. Solar energy and waste recovery were not studied in detail but appeared to have favorable employment impacts.

- 467 Leiss, William. *The Limits to Satisfaction: on Needs and Commodities*. Ideas in Progress. London: Marion Boyars Publ., 1978. rev. ed. of *The Limits to Satisfaction: an Essay on the Problem of Needs and Commodities*, pub. in 1976 by the University of Toronto Press. 168p. Bibliographic notes and works cited, pp. 145-165. £2.25 pap.

"... Others have recently explored the limits to growth of commodity intensity that are inherent in the process of development, in the process by which subsistence-values are replaced by commodities. Leiss characterizes the different contributions made by Robert Heilbroner, Stuard Ewen, Tibor Scitovsky, Fred Hirsch, Marshall Sahlins, Staffan Linder, Theodore Roszak, and Jean Baudrillard. They all analyze an economy that functions every day more like a religious enterprise that magically conjures "nature" over which it obviously lost mastery. By underlining this convergence Leiss gives consistency to this research as a new discipline that challenges the monopoly of economics over social policy. But he does more; he radicalizes the concept of ecology. I conclude from Leiss that growing commodity intensity limits the possibility of satisfaction precisely because inevitably this seeming enrichment destroys those conditions of the environment—more traditionally of "nature"—that make satisfaction feasible . . ." (Ivan Illich.)

- 468 Lenoir, Yves. *Technocratie Française I. L'abord des nuisances radioactives: pollutions et déchets. Le milieu naturel à la Question*. Coll. Amis de la Terre. Paris: J.-J. Pauvert, 1977. 334p.

About radioactive nuisance: pollution and waste. The authors are two engineers who succeeded in becoming members of a working group of the French government on "Evaluation of the technical options for radioactive waste," even though they were known as opponents and disputers on the issue. This book is a report of their participation in this inter-ministerial group for evaluation of the environment.

- 469 Leroi-Gourhan, André. "L'illusion technologique." *Recherche et Débats*, Vol. 31, June 1960. pp. 65-74.

"It is an illusion to think that because technology discovers all the secrets of the natural world it therefore alters the fundamental situation of man before the supernatural mystery."

- 470 Lewis, Richard S., ed. *The Environmental Revolution*. A Science & Public Affairs Book. Bulletin

- of the Atomic Scientists. Chicago: Educational Foundation for Nuclear Science, 1973. 164p.
- How long can this planet support an expanding human population in the style to which the more affluent societies have become accustomed—or in any style at all? Is the nature of man's environmental predicament the excessive use of the Earth's resources? If so, what are the limits? When will we reach them? What is to happen when we do? The thread linking all the ideas presented in this volume is concern for long-term human survival. Many technical innovations designed to enhance human survival may actually threaten it in the long run. Thirty-five articles by Iltis, Loucks, Andrews, Fedorov, Dubos, Hardin, Schultz, Hoagland, Meier, Francoeur, Taubenfeld, Sternglass, Tamplin, Gofman, Pauling, and others.
- 471 Lewis, Richard S., & Spinrad, Bernard I., eds. *The Energy Crisis. A Science and Public Affairs Book*. Bulletin of the Atomic Scientists. Chicago: Educational Foundation for Nuclear science, 1972.
- Thirty contributions on the radiation controversy, economic aspects of energy crisis, technical alternatives, nuclear energy in the Soviet Union, solar power development in Yugoslavia, patterns of protest, etc. by Richard Lewis, Richard Wilson, V. L. Parsegian, Irvin L. White, Tom Stonier, V. S. Emelyanov, Frances Gendlin, and others.
- 472 Lewis, Robert G., & Kinishi, Diane R. *The Learning Exchange: What It Is, How It Works; How You Can Set Up a Similar Program for Your Community*. Evanston, Ill.: The Learning Exchange, 1977. 151p.
- 473 Library Journal, ed. "Energy Books: a Classified Listing." *Library Journal*, January 1, 1977. pp. 77-81.
- Listing of 318 titles available from 86 publishers dealing with all aspects of energy and energy related questions from alternative sources to conservation.
- 474 Library Journal, ed. "Energy Materials: a Classified Listing." *Library Journal*, January 1, 1978. pp. 71-79.
- Listing of 615 entries from 117 publishers dealing with all aspects of the energy question from alternative sources to power in the wind. Includes 31 audiovisual products and 64 titles appropriate to children's collections. This is an annual list appearing in every January issue.
- 475 Library Journal. "New Titles on Environment." *Library Journal*, May 1, 1978. pp. 953-960. c.126 entries.
- An annual May 1 feature listing new recommended environmental publications.
- 476 Liklik Buk: a Rural Development Handbook Catalogue for Papua New Guinea. Lae, P. N. G.: The Melanesian Council of Churches for Liklik Buk Information Centre, 1977. 270p. Available from Wantok Publ., Boroko.
- This is the second edition of *Liklik Buk*, a publication designed to be periodically updated and expanded by incorporating the written responses of readers and users of the handbook. Originally patterned after the *American Whole Earth Catalog*, the *Buk* is intended, not as a guide to appropriate technology expertise or gadgets, but as a useful support for rural development based on the identification of needs and resources.
- 477 Lindstrom, Carl R. *Examination of the Operating Characteristics of a Composting Installation for Organic Household Wastes*. 1969. Available from Clivus Multrum U.S.A., Cambridge, Mass.
- Performance evaluation of aerobic home compost toilet sys-

tems using normal low-temperature soil bacteria to destroy pathogens rather than higher-temperature processes which depend upon thermal destruction of pathogens. Further U.S. evaluations are being carried out by the Center for the Biology of Natural Systems, Washington University, St. Louis, Mo. 63130.

- 478 Linke Verlage Informieren: Verzeichnis Linker Lieferbarer Bucher. Berlin, Maulwurf Buchvertrieb, 1975. c.300p. DM 25.-including three yearly supplements.
- Includes about 3000 titles from about 100 publishers, classified under 90 headings. Each title appears once in the alphabetical listing of authors and at least once, but no more than three times, under a subject heading.
- 479 Lipsey, Roger, ed. *Coomaraswamy*. Vol. 3: *His Life and Work*. Bollingen Series 89. Princeton University Press, 1977. 312p. Select bio-bibliog. pp. 293-312. \$17.50.
- Village handicraft and culture.
- 480 Little, Ronald L., & Lovejoy, Stephen B. *Western Energy Development as a Type of Rural Industrialization: a Partially Annotated Bibliography*. Council of Planning Librarians, Exchange Bibliography No. 1298, June 1977. Monticello, Ill.: Mary Vance, editor. 39p. c.266 entries. \$4.
- 481 Little Press Books in Print. Pub. by the Association of Little Presses, 262 Randolph Avenue, London W9. Available from: National Book League, 7 Albemarle Street, London W1.
- 482 Livingston, Dennis. *A Bibliography of Positive Alternative Futures*. Troy, N.Y., Dept. of History and Political and Political Science: Rensselaer Polytechnic Institute, 1975.
- 483 Long, C. R., & Miasek, M. A. *Endangered Plant Species of the World and their Endangered Habitats: a Selected Bibliography*. Council of Planning Librarians. Exchange Bibliography No. 1299, June 1977. Monticello, Ill.: Mary Vance, editor. 17p. c.227 entries. \$1.50.
- 484 Lovins, Amory. *Soft Energy Paths: Towards a Durable Peace*. San Francisco: Friends of the Earth International & Cambridge, Mass.: Ballinger Publ., 1977. 231p. c.500 bibliographic footnotes. \$6.95.
- Devoted to a comparison of two energy paths that are distinguished ultimately by their antithetical social implications. The energy system that seems socially more attractive is also cheaper and easier. The technical arguments for this proposition take up much of this book. Lovins points out that the costs of solar energy should be compared with the costs of developing new sources of fossil fuels and nuclear energy, and not with the process of existing sources which have been kept low by government regulation. He emphasizes that solar technology is more thoroughly developed than its critics admit and is considerably less speculative than nuclear fusion. It hardly needs pointing out that diverse and mainly small-scale sources of energy will have a radically decentralizing effect. Economic requirements will become less compulsive, and people will have more control over their own lives. The relation between cause and effect in social decision will be less obscure, and the indivisible unity of freedom and responsibility will be increasingly understood.
- 485 Lovins, Amory B. *Soft Energy Technologies*. First draft of invited article submitted to *Annual Review of Energy* for Vol. 3, 1978. 68p. mimeograph.
- The literature cited includes 146 items.

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- 486 Lovins, Amory. *World Energy Strategies: Facts, Issues and Options*. Cambridge, Mass.: Ballinger, 1973. \$4.95.

One of the best introductions to the whole energy picture—readable, clearly explained, technically precise.

- 487 Lovins, Amory & Price, John. *Non-Nuclear Futures: the Case for an Ethical Energy Strategy*. Co-pub. by Ballinger & Friends of the Earth International. 1975. \$5.95.

Lays out a detailed picture of the technical reasons for concern about nuclear power. Understandable to the layperson yet technically convincing to the expert. Lists more than a dozen successful sabotage or military actions against nuclear facilities, major reactor accidents, and covers reactor safety, the absurd methods used to calculate "safety," fuel transport problems, waste management, plutonium toxicity, and net energy questions. The second part of the book is John Price's excellent dynamic energy analysis of nuclear power programs which shows that rapid programs of implementing nuclear power may cause a net energy drain during most of their lifetime. The overview of nuclear power.

- 488 Lowrey, Robert E. *The Environment and Literature: a Selective, Annotated Bibliography of Literature to Environmental Studies*. Council of Planning Librarians, Exchange Bibliography No. 1441, January 1978. Monticello, Ill.: Mary Vance, editor. 8p. 43 entries. \$1.50.

Identifies literary works related to environmental topics. In most cases the literature is not directly concerned with environmental issues, but the themes and attitudes of various literary characters provide insight into the myriad complexities of environmental problems.

- 489 Luebbers, David J. *Bicycle Bibliography*. 5 bks., 1950-1976. David Leubbers, Route 3, Box 312, Columbia, Mo. 65201. 5000 entries.

The most extensive compilation of bicycle literature of the 1950-1976 period contained in five books. Arrangement of 5000 entries follows the general format laid down by the Table of Contents of Book No. 4. Annotations, prices, and addresses are given with each citation when possible.

1. *Bicycle Bibliography, 1959-1971*. Annotated, 79 pages, 700 entries including newspapers. Jan. 1973. \$10. US, \$12. overseas.
2. *The 1974 Bicycle Bibliography*. Annual update, annotated, 80 pages, 700 entries, 2 appendixes, 2 indexes. Dec. 1974. \$3. U.S., \$3.50 overseas.
3. *The 1975 Bicycle Bibliography*. 148 pages, 1563 entries, 2 indexes. Jan. 1976. Of special note: 2 appendixes list 28 bike magazines and 59 organizations concerned with biking. \$3.50 U.S., \$4. overseas.
4. *The 1976 Bicycle Bibliography*. 108 pages, 1102 entries, index. Feb. 1977. Of special note: 104 mail order catalog, and 175 state and local documents . . . bikeway studies, bike ordinances, traffic safety guides, tour guides, and other hard-to-find local bike publications. \$5. U.S., \$5.50 overseas.
5. *1950-1972 Bicycle Bibliography*. 96 pages, 1063 entries, index. April 1977. A thousand European, American and Asian books and articles dealing with trade, industry, history, physiology, bikeways, touring, etc. are crammed into the new reference guide. Two indexes guide the way to organizations and authors. A separate bibliography of 2500 newspaper articles of the same period will be made available upon receipt of the first 100 standing orders, \$5. U.S., \$5.50 overseas.
6. *1950-1972 Bicycle Bibliography: Part II (newspapers)* 25000 entries from 8 daily newspapers will be made available upon receipt of the first 100 standing orders. \$6. in U.S., \$6.50 overseas.
7. *The 1977 Bicycle Bibliography*. Should be available with new subject/author/corp/geographic index for \$5 to \$6 in March 1978.

- 490 McCallum, Bruce. *Environmentally Appropriate Technology: Renewable Energy and Other Developing Technologies for a Conserver Society in Canada*. 4th ed. Advanced Concepts Centre, Office of the Science Advisor, Report No. 15. Canada, April 1977. 155p. bibliog. Free from Information Services, Environment Canada, Ottawa, Ontario.

Includes a 162-page introduction to biotechnology, renewable energy sources, resource and energy conservation in city planning, transportation, industry, agriculture, and housing. Covers areas often neglected or under-emphasized because their potential is not yet fully understood: energy storage; decentralized on-site energy generation, conversion and utilization; wood heating. Suggestions for further reading. Extensive bibliography.

- 491 McClain, Thomas B., & Zarefsky, David. *Complete Handbook on Environmental Control: a Reference Manual for Debaters and Others Interested in the Subject*. Skokie, Ill.: National Textbook Company, 1970. 348p.

Each chapter is completed with extensive notes, sources, bibliographies, and suggestions for further research. An additional selected bibliography is given pp. 332-348. The notes only contain 1213 annotated references.

- 492 McClaughry, John, comp. *A Decentralist Bookshelf*. Concord, Vt.: Institute for Liberty & Community, January 1978. 93 entries. Free.

Includes books on decentralist thinking published in English in the 20th Century, and periodicals currently available in English which have strong decentralist themes.

- 493 McClure, F. A. *Bamboo as a Building Material*, May 1953. Washington, D.C.: U.S. Department of Agriculture, Foreign Agriculture Service, 1972. 52p. bibliog. pp. 50-52. Free from: Office of International Affairs, Dept. of Housing and Urban development, Washington, D.C.

Provides an excellent introduction to the subject. Properties and uses of the many different kinds of bamboo, tool requirements, how to work the material, joints, designs, and even bamboo reinforcement of concrete.

- 494 McCullagh, James C., ed. *Pedal Power: In Work, Leisure and Transportation*. Emmaus, Pa.: Rodale Press, 1977. 133p. \$5.95. Bibliogr. p. 127. Appropriate Technology Groups and Publications p. 126.

Contents: How to produce energy from a stationary bicycle; perform kitchen tasks using pedal-powered equipment; pedal drives for pumps; building instructions for a newly designed energy cycle; etc.

- 495 McDonald, Peter. *Changing Gear: Why and How To Promote Cycling in New Zealand*. 2d ed. Auckland, New Zealand: Friends of the Earth, 1978. 117p. bibliog. pp. 105-112. 30 annotated entries.

In addition to all aspects of cycling, deals with specific activities of New Zealand.

- 496 MacGeorge, G. W. *Ways and Works in India: Being an Account of the Public Works in that Country from the Earliest Times Up to the Present Day*. London: 1894.

Describes railways, roads, water supply, irrigation, and so forth.

497 McGraw-Hill, ed. *Basic Bibliography of Science and Technology*. Recent titles on more than 7000 subjects compiled and annotated by the editors of the McGraw-Hill *Encyclopedia of Science and Technology*. New York: McGraw-Hill, 1966. \$19.50.

Almost entirely limited to books. A few pamphlets were included when they seemed especially applicable. Only books in English are listed. The emphasis is on books currently in print. The concentration has been on books of science and technology to the almost complete exclusion of books about science and technology.

498 McGraw-Hill, ed. *Encyclopedia of Science and Technology*. An international reference work in 15 vols. including an index. 4th ed. New York: McGraw-Hill, June 1977. \$497.

This 1977 edition contains 1400 revised articles, 200 new articles, and 1200 new illustrations. Metric equivalents are now given in all revised articles. Includes an analytical index, a topical index, and a cross-referencing system of more than 55,000 citations. A series of yearbooks will update and be cross-referenced to this new edition.

499 McGuigan, Dermot. *Harnessing Water Power for Home Energy*. Charlotte, Vt.: Garden Way Publ., 1978. 101p. bibliog. pp. 97-101. \$4.95.

"For years, the energy from water power turned the wheels of industries, lighted, and sometimes heated homes. That energy could do it again today. There are myriad small streams that could provide home-use power to many thousands who could build their own small generating systems," says McGuigan. In this book, he explains how to assess the potential power of a site: what the payback would be, which of the many systems may be suited. Includes the time-tested overshot wheel and the Pleton impulse wheel, Turgo impulse wheel, cross-flow turbine, and Francis and propeller turbines. Small water power directory, pp. 91-96. Briefly commented bibliography pp. 97-101.

500 McGuire, Thomas. *The Tooth Trip: an Oral Experience*. New York: Bookworks/Random House, 1972. \$4.95 pap.

"... Contains a detailed plan for dental self-care designed to prevent decay and degeneration of teeth and gums. It also represents a consumer guide to economical and effective use of dentists, an indictment of the dental profession, and a comprehensive accounting of the benefits of a prevention philosophy. The entire book is focused on personal responsibility for one's own oral good health, and it is written and illustrated in a manner designed to encourage easy reading and comprehension. McGuire's thesis is that 'no one should get tooth decay.' 'Hippie' style may distract. Too often recommended by the author himself. . . ." (Donald B. Ardell. *High Level Wellness*. pp. 249-250.)

501 McHale, John, & McHale, Magda C., comps. *Futures Directory*. Guildford, Surrey: IPC Science & Technology Press, Ltd., 1977. £12.

Lists 439 organizations and 575 individuals, spread through more than 40 countries, who are "engaged in planning, forecasting and futures research." It is an institutional rather than an alternative directory.

502 Macpherson, C. B. "Democratic Theory: Ontology and Technology." In *Political Theory and Social Change*. D. Spitz, ed. New York: Atherton, 1967. \$11.95. pp. 203-220.

Argues that the view of man that has led to the development of contemporary technology must be changed. This view sees man as a consumer of utilities, and progress as the progressive evolution of the consumer. If democracy has to remain viable, a new view, that of man as exerter of uniquely human capabilities, must be accentuated.

503 Macpherson, G. A. *First Steps in Village Mechanization*. Dar Es Salaam, Tanzania: Tanzania Publishing House, 1975. \$9.50.

A handbook prepared for cooperative development villages in Tanzania. How to start from nothing but people and the things around them. A clearly illustrated, step-by-step guide with good design drawings, especially notable for its commonsense advice, as on how a tractor may harm a village, and warnings about the effects of free aid money. Of value to overdeveloped countries for its simple and straightforward advice.

504 McPhillips, Martin, & Solar Age Magazine, eds. *Solar Age Catalog*. A Guide to Solar Energy, Knowledge and Materials from the Editors of Solar Age Magazine. Port Jervis, N.Y.: Solar Vision Inc., 1977. 232p. \$8.50.

Includes 250 product descriptions with feature-by-feature comparisons; state-by-state (U.S.) listings of solar professionals; basic articles by solar experts Bruce Anderson, Steve Baer, Douglas Balcomb, Herman Barkmann, Bill Yanda, David Wright, and others. Selected list of books with comments, pp. 226-227.

505 *Mailing List of Movement Organizations for Radical Social Change*. Available from the Central Committee for Correspondence, Philadelphia, Pennsylvania. \$3 (2 for \$5) on gummed sheets and only \$1 un-sticky.

Arranged geographically, covers 2000 groups in the U.S. and abroad.

506 *Mailing List of Nuclear Activists*. Available from EARS. Plain paper \$12, pressure sensitive labels \$30.

Approximately 1500 mailing labels which include all individuals and organizations listed in the Directory of Nuclear Activists. Also includes people and organizations identified as being concerned with nuclear issues. These mailing lists are constantly being updated and expanded.

507 Malcles, Louise-Noëlle. *Les sources du travail bibliographique*. Geneve: Librairie Droz, 1958. Vol. 3 is subtitled *Bibliographies spécialisées Sciences exactes et techniques*. (la date limite des recherches se situe entre décembre 1956 et juin 1957.)

Concerned mainly with current literature, but bibliographies and standard historical works of particular branches of science and technology are listed.

508 Malinowsky, H. Robert; Gray, Richard A.; & Gray, Dorothy A. *Science and Engineering Literature: a Guide to Reference Sources*. 2d ed. Littleton, Colo.: Libraries Unlimited, 1976. \$14.

509 Mannheim, Karl. *Man and Society in an Age of Reconstruction: Studies in Modern Social Structure*. Expanded English ed. of German original, 1935. London: Kegan Paul, Trench, Trubner & Co., 1940. 469p. bibliog. pp. 383-455, c. 1700 entries.

"Planning" and other terms that designate social engineering became prevalent only since World War II. For a survey of earlier literature, Mannheim is a good guide.

510 Manning, D. *Disaster Technology: an Annotated Bibliography*. New York: Pergamon Press, 1976. \$15. pap.

511 Margen, Peter. *District Heating Development Work in Sweden*. Report AE-VS-159. Studsvik AB Atomenergi Sweden, 1975.

In the U.S. two-thirds of the energy in fossil fuels that are used to generate electricity ends up as wasted heat energy.

Sweden has for years been using that "waste" heat for space heating in the districts surrounding the electrical generating plants, resulting in beneficial use of 70-80 percent of the energy in the fuel rather than the 20-30 percent in the U.S. This report is outdated in that it refers to use with nuclear as well as fossil fuel thermal plants and was produced before Sweden's recent decision to abandon nuclear power in favor of energy conservation, but it contains reports on recent studies of district heating.

- 512 Marien, Michael. *Alternative Futures for Learning: an Annotated Bibliography of Trends, Forecasts, and Proposals*. Syracuse, N.Y.: Educational Policy Research Center, Syracuse University Research Corporation, 1971. 223p. 936 entries. \$5. OP.

"This annotated bibliography is an attempt to sketch out the range of literature that is relevant to educational policy-making. In the broadest sense, nearly all literature on education could be considered as policy-relevant, but for present purposes this bibliography has been confined to trends, forecasts, and proposals or documents on changes that are taking place, future states of affairs that may occur, or recommended states of affairs that ought to occur. . . ." (foreword.)

- 513 Marien, Michael. *Juxtapositions (1): the Next Societal Stage*. In *Fields Within Fields*, No. 13, Fall 1974. New York, World Institute Council. p. 7-21, 45 annotated entries.

" . . . Thirty societal stage schemes are listed in the accompanying chart, which serves as an index to the annotations that follow, which elaborate on source documents, the context in which the scheme is set forth, and, briefly, the basic elements of the present and/or next societal stage. Following these annotations are 15 books and articles that, while not fully elaborating any stage theory, are highly relevant in this inquiry. Of the 45 items in this guide, 15 are starred and especially recommended starting points . . ." (introduction.)

- 514 Marien, Michael. *The New Path of Progress and the Devolution of Services: Viewing the Present and Future without Industrial Era Bias*. Prepared for International Conference on the Service Sector of the Economy, Puerto Rico, June 25-July 1, 1978. 34p. mimeograph. bibliog. pp. 26-34, c.122 entries with comments. (working draft)

The bibliography is divided into: notes, 55 items; major books on the technological, affluent, service society, 1958-1978, 32 items; decentralist books, 1970-1978, 50 items; decentralist books, 1906-1945, 25 items. Published as "Toward a Devolution of Services" in *Social Policy*, vol. 9, no. 2, November-December 1978. 38 footnotes, no bibliog.

- 515 Marien, Michael. *Societal Directions and Alternatives: a Critical Guide to the Literature*. LaFayette, N.Y.: Information for Policy Design, 1976. 400p. 1015 entries. \$16.50.

Covers 20th Century English-language nonfiction general literature on the developed nations. Items arranged in 16 chapters with overview essays. Most of the 1015 items are annotated and rated for quality and level of complexity. Nine indexes, including author, organization, chronological book title, and 350 titles for "our present society, the society we are evolving to, or the society we ought to have."

- 516 Marien, Michael. "The Two Visions of Post-Industrial Society." *Futures*, October 1977. pp. 415-431. Bibliographic notes, 85 entries.

"The author discusses and contrasts two different usages of the phrase 'post-industrial society.' The independent development of these two usages has culminated in the present distinction between post-industrial society as a technological, affluent, service society, and post-industrial society as a more decentralized and ecologically conscious agrarian society. This new global version of the old Jefferson-Hamilton debate—a political continuum best viewed

at right angles to the familiar left-right political spectrum—may become the dominant political struggle of our time. A useful synthesis of the two visions is possible, though, if our intellectual segregation, exemplified by the two visions, can be overcome." (author.)

- 517 Marien, Michael. *The World Institute Guide to Alternative Futures for Health*. Section 1: The World Institute Policyguide for Health: a Bibliocritique of Trends, Forecasts, Problems, Proposals. 259p., July 1973. Section 2: The Psychic Frontier: Toward New Paradigms for Man. 64p. March, 1974. New York, World Institute Council. 323p. 812 annotated entries.

" . . . Section 1: a guide to 612 books, articles, and reports, critically annotated, which are concerned with health policy in its broadest dimension. It aims for a broad audience and is self-consciously judgmental. Specifically it is hoped that this catalytic bibliocritique will be of use to policy-makers, researchers, teachers, librarians, students, and citizens, both within and outside of the health field. The second section of 200 books is lengthy and in many respects only indirectly related to the future of human health, but draws attention to the research and thinking about the occult capacities of man . . ." (preface.) For availability, write to the author.

- 518 Marienskind, Helen I. "Helping Oneself to Health." *Social Policy*, September/October, 1976.

A historical view of women healers.

- 519 Marks, Vic., ed. *Cloudburst*. 1973, & *Cloudburst 2*. 1976. Seattle, Wash.: Cloudburst Press. Respectively \$3.95 & \$4.95.

Handbooks of rural skills and technology. Useful alternative technology for homesteading in the country.

- 520 Massey Ferguson, ed. *The Pace and Form of Farm Mechanization in the Developing Countries*. Toronto: Massey Ferguson, Ltd., 1974.

- 521 Matte, J.-P., & Matte, G. *Fiches écologiques*. 30 rue Volière, 4000 Liège, Belgique.

Card catalog on ecology.

- 522 Mayer, Ralph. *A Dictionary of Art Terms and Techniques*. New York: Thomas Y. Crowell, 1975. 447p. \$4.95.

This volume is designed as an up-to-date reference book that presents, in succinct form, explanations of terms encountered in the study and practice of the visual arts and in their literature. The areas covered are painting, drawing, sculpture, printmaking, ceramics, and a number of closely allied fields. Each entry contains the kinds of information appropriate to its subject, whether these be definitions, historical accounts, descriptions of periods, schools or styles of art, or explanations of technical processes and materials. Processes are described in some detail, but instructions are not given, since the dictionary is not intended as substitute for technical manuals.

- 523 Mayer-Tasch, Peter Cornelius. *Die Bürgerinitiativbewegung: Der aktive Bürger als rechts- und politikwissenschaftliches Problem*. Reinbek bei Hamburg, Rowohlt Taschenbuch, 1976. 184p. bibliog. pp. 166-178. pap.

Ad-hoc citizen groups organized to put pressure on legislators while staying outside established parties are something new in German politics. Several such groups have organized themselves in the mid-Seventies mostly around issues involving the assessment of atomic technology, health care, and education. Several parliamentary leaders have requested that their aims, rather than their methods, be declared anticonstitutional. This paperback retraces the history of such "initiatives" and gives a bibliography of more than 200 items.

- 524 Mayeux, M. R. "Deux décennies d'études associationnistes. Theses, diplomes et mémoires d'universités françaises (1955-1975)." *Communauté. Archives Internationales de Sociologie de la Coopération et du Développement*, No. 39, special number January-June, 1976. pp. 213-247. Two decades of associationist studies. Theses, diplomas, memoirs of French Universities, 1955-1975. Complements the article by E. Poulat on "Seventy years of associationists studies."
- 525 Meador, Roy. *Future Energy Alternatives*. Ann Arbor, Mich.: Ann Arbor Science, 1978. 197p. \$6.95. Another book on energy, on what can be done and where to seek when traditional fuels run out. The main subjects covered are nuclear fission and fusion, solar, fossil fuels, geothermal, pyrolysis, ocean thermal, wind, tidal, and conservation. Sound answers are presented with realistic predictions.
- 526 Mediaworks. *New Periodicals Index*. Boulder, Col.: Mediaworks, 1978. \$25. for 2 issues. Indexes, by author and subject, articles from 70 "alternative and new age" periodicals, all North American except *Glow International* (India), *Oncarth* and *Openletter* (Finhorn) and *Undercurrents* (U.K.).
- 527 Melton, Hollis, ed. *A Guide to Independent Film and Video*. New York: Anthology Film Archives, 1976. 87p. \$4. The final issue of the "Bulletin for Film and Video." Leans towards film resources; the category breakdown and lack of index make the information difficult to access.
- 528 Merrill, Richard ed. *Radical Agriculture*. New York: Harper & Row, 459p. \$6.95 pap. California's new alchemist, Richard Merrill, has put together the best introduction to the new—with the best from the old—agriculture. Contributors include Jerry Goldstein, Helga Olkowski, John Todd, Paul Relis, Bill McLarney, Michael Perelman, Murray Bookchin, Wendell Berry, and Peter Barnes covering land reform, agribusiness, energy efficiency, the green revolution, food cooperatives, urban agriculture, organic farming, aquaculture, and biological pest control. Highly recommended for 4-H; land grant college agri-engineering course, and an important addition to all agriculture and energy libraries. Each chapter has reference notes or bibliography.
- 529 Merrill, Richard, & Gage, Tom. *Energy Primer: Solar, Water, and Biofuels*, rev. & updated. New York: Delacorte, 1978. 256p. Lengthy bibliog. \$7.95. A comprehensive, fairly technical book about renewable forms of energy, solar, water, wind, and biofuels. The biofuels section covers biomass energy, agriculture, aquaculture, alcohol, methane, and wood. The focus is on small-scale systems which can be applied to the needs of the individual, small group, or community. Hundreds of illustrations and a dozen original articles are used to describe the workings of solar water heaters, space heaters and dryers, alcohol stills, and methane digesters. This revised and updated edition has a very strong bibliography that contains even more specialized bibliographies than the first edition. Each chapter has a lengthy book review section.
- 530 Mesthene, Emmanuel G. *Technological Change: its Impact on Man and Society*. Harvard Studies in Technology & Society. Cambridge, Mass., Mentor Book, 1970. 127p. Well-annotated bibliog. of 70 entries. \$6.50. An overview of the discontinued research of the Harvard Program on Technology and Society woven into three chapters on social change, values, and economic and political organization.
- 531 Meyrat, Jean, comp. *Guide sommaire des ouvrages de référence en sciences sociales*. Fondation Nationale des Sciences Politiques. Paris: Armand Colin, 1968. 61p. This guide is not directed to specialists but to students and researchers who approach a new and unfamiliar field. It indicates reference tools leading to other sources of information.
- 532 Middleton, G. F. *Build Your House of Earth: a Manual of Pisé and Adobe Construction*. Melbourne, Australia: Compendium, 1975. 110p. \$3.95. Comprehensive, clearly written and well-illustrated manual on rammed earth and adobe construction, based on widespread experience in Australia. Formwork, stabilizing earth, keying for plaster, damp-proofing, windows, specifications, cost schedules, and a lot of practical questions and answers. Good photos of beautiful earth buildings.
- 533 Milam, Lorenzo. *Sex and Broadcasting: a Handbook on Starting Community Radio Stations*. 3d rev. ed. Saratoga, Calif.: Dildo Press, 1971. 352p. \$5. This self-published book is eminently practical in approach suggesting why you need so-and-so many copies of a given FCC form, how to conduct a frequency search, who has good but inexpensive programing available, how to deal with record companies, where to get good advice, and when to pay for it. Although intended for those who might want to establish a "community" FM radio station of the sort typified by KRAB, the Pacific Stations, Poor Peoples Radio, and the author's own KTAO, there is an amazing amount of information that is useful to anyone with the thought of establishing a radio station on a shoestring. It is written in unexpurgated language.
- 534 Miller, Roland de. *Bibliographie sur la Protection de l'Environnement, l'Ecologie et l'Ecologisme*. Paris: Les Amis de la Terre, January 1978. 15p. Supplement in *Courrier de la Baleine*, No. 33. c.640 entries, unannotated. In the "municipal" elections of early 1977, ecologists won up to 19 percent of the votes and around ten percent in several areas of Paris. This bibliography represents very well the readings of these groups.
- 535 Milne, Murray. *Residential Water Conservation*. Davis, Calif.: California Water Resources Center, 1976. \$7.50. Good source on water conserving hardware for the home—diagrams of equipment available, description of operation and economic analysis of savings and costs involved. Directory of manufacturers for toilets, bathing, drinking, washing, outdoor uses. Dry and low flush toilets, code changes, and hot water use reduction are not covered well, but it is comprehensive and useful in other areas.
- 536 Mistichelli, Judith, & Roysdon, Christine, comps. *Beyond Technics: Humanistic Interactions with Technology: a Basic Collection Guide*. Bethlehem, Pa.: Humanities Perspectives on Technology, Lehigh University, January 1978. 63p. \$2. Extensively annotated guide to over 100 books and major journals.
- 537 Mitcham, Carl, & Mackey, Robert. *Bibliography of the Philosophy of Technology*. Chicago: University of Chicago Press, 1973. 205p. \$7.95. "... Concentrates on the period 1925-1972. No attempt has been made to duplicate the Dessauer and Herlitzius bibliographies, instead we have chosen to build upon them, especially insofar as articles are concerned. Our bibliography

concentrates, as far as German periodical literature is concerned, on the periods following those surveyed by Des-sauer's and Herlitzius's works. We have tried to include annotations when these bibliographies ought to be consulted further. This policy points up the general fact that we have been more selective in citing foreign than English works. Readers may also wish to consult the *Philosopher's Index* under the subject "Technology," and the new section on "Philosophie de la culture et de la technique" which was added in 1971 to the *Repertoire bibliographique de la philosophie*, for supplementary bibliographical information . . ." (introduction.)

- 538 Mitcham, Carl, & Mackey, Robert, eds. *Philosophy and Technology: Readings in the Philosophical Problems of Technology*. New York/London: Macmillan, 1972. 399p. Select bibliog. pp. 379-389. \$12.95.

An anthology with contributions by Lewis Mumford, Jacques Ellul, Emmanuel Mesthene, C. S. Lewis, Nicholas Berdyaev, Lynn White, Jr., Friedrich Dessauer, Hans Jonas, Ernst Jünger, and others. Contains: Conceptual Issues; Ethical and Political Critiques; Religious Critiques; Existentialist; Metaphysical Studies.

- 539 Mitchell, Edward J. *U.S. Energy Policy: a Primer*. National Energy Studies. Washington, D.C.: American Enterprise Institute for Public Policy Research, 1974. 103p. \$3.

In a carefully articulated presentation of standard *laissez-faire* capitalist ideas, the author examines the regulation of oil and natural gas and asserts there would have been no energy crisis in a "free energy market."

- 540 Le Monde. *L'Écologie: Enjeu Politique*. Supplément aux Dossiers et Documents du Monde, Mars 1978. Paris: Le Monde, 1978. 84p. 10.00 fr. fr.

A selection of articles published in *Le Monde* on environmental issues principally concerning France.

- 541 Moorcraft, Colin, ed. "Designing for Survival," a special section of *Architectural Design*, July 1972. bibliog.

A melee of very varied material spanning eco-architecture, apocalyptic tubthumping, Third World and China, alternative rural development, and astronauts' water-recycling gear. Classified bibliography covering: energy in general; solar energy; wind energy; water supply; water energy; geothermal energy; biological energy; heat energy; bricks; cob, pisé, and stabilized earth; fibers; fabric weaving, dyeing and spinning; stone; grasses; rushes, bamboo, wood. Almost a period piece by now. (Peter Harper.)

- 542 Morgan, Richard & others. *Taking Charge: a New Look at Public Power*. Environmental Action Foundation, 1976. 100p.

The political and economic advantages of public ownership of electric systems are presented and the public and investor-owned rate structures compared. Ways to organize for public takeover are suggested in a clear and concise style.

- 543 Morice, Lucien. *Les Transports Fluviaux*. Coll. "Que sais-je?" Paris: Presses Universitaires de France, 128p.

History of river transport.

- 544 Morris, David, & Hess, Karl. *Neighborhood Power: the New Localism*. Boston: Beacon Press, 1975. 180p. bibliog. pp. 173-177. Resource directory pp. 178-180. \$3.95 pap.

Shows how a potentially self-sufficient community moves from the initial stages of community awareness to the organization of service networks, to the development of funds which can serve as seed money for new community enter-

prises, to the development of neighborhood government. It is both a theoretical and a practical book, a tool for bringing economic and political power down to a workable human scale.

- 545 Morris, William. *News from Nowhere*. London: Routledge & Kegan Paul, 1970. \$6; \$3.25 pap.

A famous classic (1890) of utopian arcady written in reaction to another socialist novel, Edward Bellamy's *Looking Backward*.

- 546 Mother Earth News, eds. *Handbook of Home Business Ideas and Plans: Do-It-Yourself Employment Ideas and Plans that Work!* New York: Bantam, 1976. 372p. \$2.25 pap.

Contains 36 articles about home business and self-employment venture.

- 547 Mott, Luis; Silin, Robert H.; & Mintz, Sidney, comps. *A Supplementary Bibliography on Marketing and Marketplaces*. Council of Planning Librarians. Exchange Bibliography No. 792, May 1975. Monticello, Ill.: Mary Vance, editor. 37p. 468 entries. \$3.50.

- 548 Mumford, Lewis. An Appraisal of Lewis Mumford's *Technics and Civilization* 1934. *Daedalus*, 88, Summer 1959. pp. 527-536.

The author critically reviews his own work 25 years later, noting regretfully that it still stands alone.

- 549 Mumford, Lewis. 19 Oct. 1895- . . . "Bio-Bibliography." In *Current Biography* 1963. New York: Wilson. pp. 290-292.

See also the bibliography compiled by Elmer S. Newman.

- 550 Mumford, Lewis. *Findings and Keepings: Analects for an Autobiography*. New York: Harcourt, 1975. 394p. \$15.

A potpourri from the first 20 years of Mumford's career—contains "Random Notes"; personal letters; art, literary, and architectural articles previously published in periodicals; a short story; a full-length play on the building of the Brooklyn bridge; and "Prologue to our Time: 1895-1975," in which Mumford gives a summary of his thought.

- 551 Mumford, Lewis. *Technics and Civilization*. New York: Harcourt Brace, 1934; Harbinger, 1963. 495p. Annotated bibliog. pp. 447-474. \$4.75. pap.

One of the best works of Mumford. Concerned with cultural aspects of technology since medieval times, the book is full of fresh and exceedingly sharp insights. (Eugene S. Ferguson, *op. cit.*)

- 552 Murdoch, William W., ed. *Environment: Resources, Pollution and Society*. 2d ed. Sunderland, Mass.: Sinauer Assoc., 1975. 440p. \$10.95.

" . . . some of the current writing is simply alarmist without providing the rationale for alarm and much of it is confusing and hardly conducive to rational discussion . . . This book tries to distinguish truly alarming situations from those which are simply serious." (preface.) With contributions by Nathan Keyfitz, Preston Cloud, Gerald Paulik, Earl Cook, Kenneth Boulding and others.

- 553 Myer, Joseph A. *Urban Homesteading: an Annotated Bibliography*. Council of Planning Librarians, Exchange Bibliography No. 963, January 1976. Monticello, Ill.: Mary Vance, editor. 22p. c.121 entries. \$2.

Includes a five-page list of active programs with names and addresses of persons; gives details about specific urban homesteading programs, including publications listed in this bibliography.

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- 554 Nash, Hugh, ed. *Progress As If Survival Mattered: a Handbook for a Conserver Society*. Fwd. by David R. Brower. San Francisco, Calif.: Friends of the Earth, 1977. 320p. \$6.95.
Presents Friends of the Earth's program for creating a conserver society in the U.S. "These are steps we are working on with every legal means at our disposal, here and abroad: lobbying legislatures; engaging in litigation; testifying before and serving as consultants to the administrative branch of government; and helping business and industry through our books, through consulting arrangements, through advice solicited and unsolicited, prepare for the era of diminishing resources."
- 555 Nasr, Seyyed H. *Science and Civilization in Islam*. Cambridge, Mass.: Harvard University Press, 1968. 384p. \$15.
Though this is primarily a guide to the history of Islamic philosophy of science, the bibliography can be used as a first access tool to the development of technology in Muslim countries.
- 556 National Aeronautical and Space Administration, NASA. *Energy: a Continuing Bibliography with Indexes*. \$30/yr.
Available on a subscription basis from National Technical Information Service (NTIS). Subscription includes information on regional, national, and international energy systems; research and development on fuels and other energy sources; and energy conversion, transport, transmission, distribution, and storage—with special emphasis on the use of hydrogen and solar energy. Each issue is indexed by subject, personal author, corporate source, contract number, and report number.
- 557 National Bureau of Standards Building Science. *Retrofitting Existing Housing for Energy Conservation: an Economic Analysis*. National Bureau of Standards Building Science Series 64. \$1.35 from U.S. Government Printing Office, Washington, D.C.
A technical analysis comparing the economic desirability of different combinations of adding insulation, storm windows, and weatherstripping to existing houses. Analyzes a wide range of energy costs as well as climatic conditions. It also contains a model that can be used to calculate what combinations will give homeowners the greatest savings in investing different amounts of money in energy conservation measures for their homes.
- 558 National Center for Resource Recovery. *Bibliography: Resource Recovery*. Washington, D.C., 1974. 40p. 170 annotated entries.
Covers the materials recovery, energy recovery, organic wastes, and land recovery.
- 559 National Clearinghouse on Deposit Legislation. *Deposit Legislation Resource Guide*. Washington, D.C.: National Clearinghouse on Deposit Legislation, 1978. \$1. Annotated bibliog.
The most complete bibliography for citizens' coalitions working to pass "bottle bills" in their states for putting a minimum deposit on beverage bottles and cans. It covers deposit legislation already enacted in several states, reports from states gearing up to do the same, sources of information on all the issues from saving energy to creating jobs, as well as on campaigns, coalition-building, and media skills. All sources are annotated and many are available at little or no cost from Environmental Action Foundation. (*Rain*, Steven Ames.)
- 560 National Recreation and Park Association. *Energy: Who's Doing What?* Arlington, Va.: National Recreation and Park Association, 1976.
Lists and comments on 200 U.S. citizen groups and forums doing some type of energy work.
- 561 National Referral Center. *LC Science Tracer Bulletin: Organic Fuels*. TB. 74-6. free from: Library of Congress, National Referral Center, Science and Technology Division, Washington, D.C. 20540.
A guide to the literature on the technology and economic feasibility of converting organic material such as garbage, animal wastes, sewage sludge, and waste paper to oil, gas, and other fuels. The NRC can also supply, if asked, a computer printout of information resources relative to bioconversion for methane gas production.
- 562 National Referral Center. *Selected Information Resources on Solid Wastes: Bibliography*. Available from: Library of Congress, National Referral Center, Science & Technology Division, Washington, D.C. 20540.
Contains access information on paper, plastic, metal, and other recycling industry associations which can give detailed information in their specific areas.
- 563 National Technical Information Service. *Current Published Searches from the NTIS Bibliographic Data File, plus Published Searches from the Data Bases of Engineering Index and American Petroleum Institute*. Washington, D.C.: NTIS, U.S. Department of Commerce, 1978. 93p.
Includes data base searches on many subjects, including administration, aeronautics and aerodynamics, agriculture and food, building technology, communication, computers, control and information theory, energy, environmental pollution and control, health planning, industrial and mechanical engineering, library and information sciences, missile technology, natural resources and earth sciences, transportation, urban and regional technology and development, etc. These bibliographies are the product of online searches of the NTIS bibliographic data base and other data bases by experienced information specialists. The system includes more than 600,000 document/data records covering federally sponsored research from 1964 to the present. As the central information source for federally-sponsored research, NTIS receives some 250 research reports daily. Major corporations, trade associations, and university and private research facilities contribute their results to NTIS along with hundreds of Government sources including NASA, Bureau of Standards, Department of Energy, and the Department of Defense. More than 1000 published searches are listed in this catalog. Each published search provides up to 100 or more full citations and costs \$28.
- 564 National Technical Information Service. *Energy Conservation: Its Nature, Hidden Benefits and Hidden Barriers*. UCID-3725. 92p. \$5. from NTIS.
Discusses "hidden benefits"—higher total employment, less pollution, lower demand for capital and hence lower interest rates—and "hidden barriers"—ignorance of energy's role in economic processes, lack of detailed information about individual energy systems or options, and inelasticity of demand by users.
- 565 National Urban Coalition. *Urban Homesteading: Process and Potential*. Washington, D.C., National Urban Coalition, January 1974. 71p. \$2.50.
The programs and ideas presented in this booklet offer communities interested in the concept of urban homesteading an opportunity to explore the pros and cons of the programs now underway as well as some still on the drawing board. The Coalition has put considerable effort and study into the development of two plans for homesteading: one through a community-based nonprofit corporation and another through

conversion of public housing to condominiums, described in this publication. Includes: comparative chart of existing urban homestead programs; Baltimore, Philadelphia, Wilmington, and Washington status reports and legislation; and proposed national legislation.

566 Neal-Schuman Publishers, comp. "An Energy Source Directory." *Library Journal*, January 1, 1978. pp. 26-66.

Expanded and updated to help libraries identify useful sources of information on energy for reference work, referral, collection building, and curriculum support. Presents over 600 sources of print and nonprint information; over 200 are entirely new. Materials range from elementary level to professional and technical. Each organization is described with indication of the emphasis of its interests, and its publications program.

566a Nearing, Helen, & Nearing, Scott. *Living the Good Life: How To Live Sanely and Simply in a Troubled World*. New York: Schocken Books, 1970. \$2.50 pap.

The authors, now 94 years old living a self-reliant life in Maine, were models for the youth of the 1960s and folk heroes in their own time. Economist Scott Nearing, Ph.D., was blackballed by U.S. universities due to his refusal to join the army during World War I (1917). Since then he and his wife Helen have lived a self-reliant life, first on a Vermont homestead they built, and then from the age of 74 to the present on a second homestead constructed in the wilderness of Maine. Their winter-long greenhouse techniques and other appropriate life style techniques have made them and their many books known to many of the disenchanting youth of America. Any appropriate technology library should have several of their books, the most important being *Living the Good Life*. (suggested by Bill Ellis, TRANET.)

567 Needham, Joseph. *Science and Civilisation in China*. 7 vols. New York: Cambridge University Press, 1954-. Respectively \$27.50, \$47.50, \$65, \$34.50, \$55, \$59.

A comprehensive account from earliest times to the end of the 17th Century. Profusely illustrated. Needham has brought Chinese science and technology to the West, where it can never again be ignored as it has been throughout modern times. Seven volumes are projected, some in parts: Vol. 1, Introductory Orientations, 1954; Vol. 2: History of Scientific Thought, 1956; Vol. 3: Mathematics and the Sciences of the Heavens and the Earth, 1959; Vol. 4: Physics and Physical Technology. Pt. 1: Physics, 1962; Pt. 2: Mechanical Engineering, 1965; Pt. 3: Engineering and Nautics, 1971; Vol. 5: Chemistry and Chemical Technology. Pt. 2: Spagyric Discovery and Inventions, 1974. Not yet published are vol. 5, Pt. 1: Arts of Peace and War; Vol. 6, Biology and biological technology; Vol. 7, Social Background. Needham's bibliographies are voluminous. For example, in Vol. 4, Pt. 2, Oriental Works occupy pages 611-647; books and journal articles in Western languages, pages 648-707. The reasons for China's scientific and technical decline c.1500 A.D., after a brilliant 2000-year performance, are summarized in Joseph Needham's "Science and Society in East and West," *Centaurus*, 10, No. 3, 1964, pp. 174-197. These arguments, greatly expanded, are to appear in Vol. 7 of Needham's work. The same article appeared in *Society and Science*, New York: Simon & Schuster, 1964, edited by Maurice Goldsmith and Alan Mackay, pp. 127-149. (Eugene S. Ferguson, *op. cit.*)

568 Negley, Glenn. *Utopian Literature: a Bibliography with a Supplementary Listing of Works Influential in Utopian Thought*. Lawrence, Kans.: Regents Press of Kansas, 1977. 228p. 1608 entries. \$15. pap.

Begins with the stirrings of utopian thought in the 16th Century, encompasses the enthusiastic and fruitful revival of utopian speculation in the 17th Century, and advances through the centuries to the present.

569 Nesbit, Patricia M., & Seldman, Neil N. *Sewage Treatment Technology and Our Urban Communities*. Washington, D.C.: Institute for Local Self-Reliance, March 1976. 12p. \$2.

Comprehensive comparison of financial and environmental aspects of Washington, D.C.'s present high-technology sewage plant and currently available in-house systems, plus methodology for analysis of other municipal systems.

570 Neu, John, ed. "Isis: One Hundred First Critical Bibliography of the History of Science and its Cultural Influences (to January 1976)." *Isis*, Vol. 67, 5, No. 240, 1976. Washington, D.C.: Smithsonian Institution. 179p. + index. \$8.

The present bibliography, which includes 2622 citations, is the 22d to be classified according to the system established in 1953. The main purpose of the classification has always been, in the words of its founder George Sarton, "to satisfy the needs of historians of science in general rather than those of historians of particular sciences." While the classification is both chronological and by subject, preference is given to the former. Citations to book reviews will be found at the end of the classified section.

571 Neu, John, ed. "Isis: One Hundred Second Critical Bibliography of the History of Science and its Cultural Influences (to January 1977)." *Isis*, Vol. 68, 5, No. 245, 1977. Washington, D.C.: Smithsonian Institution. 181 p. + index. \$7.

The present bibliography, which includes 2850 citations, is the 23d to be classified according to the system established in 1953.

572 Newman, Dorothy K., & Day, Dawn. *The American Energy Consumer. A Report to the Energy Report Project of the Ford Foundation*. Cambridge, Mass.: Ballinger, 1975. 308p. bibliog. \$17.50.

Very complete consumer survey although it has nothing on alternative lifestyles. It concludes that more income means more energy use and that a great deal of energy use is determined by home construction practices, transportation systems, and work environment, leaving the individual with little choice. A thorough bibliography is included.

573 Newman, Elmer S., comp. *Lewis Mumford: a Bibliography 1914-1970*. With an intro. by Lewis Mumford. New York: Harcourt Brace Jovanovich, 1971. 167p. c.1075 entries.

574 Nicholson, Nick. *Solar Energy Catalogue and Building Manual*. Ayer's Cliff, Quebec & Frenchtown, N.J.: Renewable Energy Publications, 1977. c.169p. \$9.50 includes update service.

Very practical, with excellent drawings and photographs. Includes price list for solar components and an annotated list of books. One update supplement was published in 1978.

575 *Northwest Trade Directory*. \$3.25 from 118 N. Bowdoin Place, Seattle, Wash. 98103. Over 160p.

The *Trade Directory* is an example of a new information system created for the alternative agriculture movement of the Pacific Northwest. Published by a number of individuals and groups interested in a decentralized food system. Intended as a vehicle for putting local growers in touch with local consumers. It includes listings for the co-ops of over 100 organic and transition farmers, plus the most comprehensive directory of alternative markets (over 300 co-ops, warehouses, etc.) ever published for the region, as well as information on trucking, storage, and processing facilities. The goal of the *Trade Directory* is to decentralize the food system as much as possible, with the hope that future directories will be published for other regions and on smaller scales, for example, communities within each valley or river basin beginning to take on responsibility for providing most of their own food needs.

576 Norton, Michael. *Directory of Social Change*. Vol. 2: *Community Action*. London: Wildwood House, 1977. £3.95 pap.

Includes information on how to run a pressure group; start a local campaign for better housing, a new community center or a newspaper; how to get TV coverage for a new point of view; use portable video equipment; turn a building site into a community garden; or raise money. Some topics are use-value oriented; others are not. Volume 1, *Education and Play*, is about the British education system, but it starts where the British education system leaves off—with parents and students of all ages and the roles they can play in making education serve their needs.

577 Novick, Sheldon. *The Electric War: the Fight Over Nuclear Power*. San Francisco, Calif.: Sierra Club Books, 1976. 376p. \$12.50.

"This book is comprehensive and outrageous in the story it tells. Novick provides us with the observations of a passive eye, not the exaggerations or hyperbole of a pro- or an anti-, or of the news muckraker. We see Thomas Edison, the electrical wizard of Menlo Park, and Sam Insull, once his private secretary, as Edison fails and Insull finally wins in the attempt to create the electric-power monopolies we have today. We learn how the Cold War provided the breeding ground for civilian nuclear power's multi-billion-dollar industry. We hear how Creative Initiative formed Project Survival to back nuclear safeguards legislation in Oregon, California, and other states. We learn a lot, yet are not told how to decide . . . but come to understand that we must soon do so. For, as Jefferson and Samuel Johnson both have said, when we see experts and concerned citizens on both sides, we know the decision will ultimately be up to all the people. Novick's work is an excellent primer for that decision." (*Rainbook*.)

578 National Science Foundation. *NSF-RANN Wind Energy Conversion Research: Recent Publications*. Bulletin No. 3, June 1975. Washington, D.C.: National Science Foundation.

A bibliography with abstracts which covers Sandia Labs' vertical-axis wind turbine reports, NASA Lewis Research Center reports on the 100-KW machine, as well as NSF grantee reports. Tells where to order what.

579 Nueckel, Suzan, ed. *Selected Guide to Make-It, Fix-It, Do-It-Yourself Books*. New York: Fleet Press, 1973. 213p. \$5.50 pap.

2178 items listed alphabetically by subject category. Brief descriptive annotations. Directory of publishers plus topical index.



580 Odum, Howard. "Energy, Ecology and Economics." Gainesville, Fla.: University of Florida, Energy Center.

Pioneering exploration of the requirements for living beyond fossil fuel subsidies, including the general ecosystem principles or ethics involved.

581 Odum, Howard T. *Environment, Power and Society*. New York: Wiley-Interscience, 1971. 331p. \$7. pap.

" . . . Energy language is used to consider the pressing problem of survival in our time—the partnership of man in nature. An effort is made to show that energy analysis can help answer many of the questions of economics, law, and religion, already stated in other languages. . . . Intended for the general reader, this account also attempts to introduce ecology through the energy language . . ." (preface.) A "systems approach" to the study of power and the rate of flow of useful energy.

582 Odum, Howard, & Odum, Elizabeth. *Energy Basis for Man and Nature*. New York: McGraw-Hill, 1976. \$7.95 pap.

Shorter and more accessible than Odum's *Environment, Power and Society*, 1971. This basic text on the principles of energy, environment, and economics includes a very good discussion of net energy.

583 Office of International Affairs, Department of Housing and Urban Development. *Earth for Homes*. Ideas and Methods Exchange No. 22, March 1955, rev. Sept. 1956. Washington, D.C., 1974. 70p. bibliog. pp. 59-70. Free.

Manual for the use of U.S. A.I.D. Missions. Not highly technical. Contents itself merely to refer to highly scientific aspects of soil mechanics and only attempts to present field experiences and information which have developed as a result of the scientific background, or trial and error experiments which often have confirmed the findings of the scientists. Simple clear how-to information.

584 Office of International Affairs, Department of Housing and Urban Development. *Mud Brick Roofs*. Ideas and Methods Exchange No. 42, March 1957. Washington, D.C., 1973. 16p. Free.

The mud brick dome and vault houses and community buildings at the village of New Gourna in Upper Egypt provide recent examples of roofs of earth. This booklet describes summarily the mud brick vault constructions of the project designed and supervised by architect Hassan Fathy.

585 Office of International Affairs, Department of Housing and Urban Development. *Palms—Their Use in Building*. Ed. originally in 1955 by Miriam L. Bombard. Washington, D.C., 1972. 26p. Free.

A survey of different uses of palm trees in building, including listing of species desirable or unfavorable for different applications, along with means of overcoming some of the shortcomings of palms. The vinelike stems of some rattans attain 500-600 foot lengths and are used for pedestrian bridge cables.

586 Office of Solid Waste Management Programs. *Decision-Makers Guide to Solid Waste Management*. SW-500. Washington, D.C.: Office of Solid Waste Management Programs, U.S. Environmental Protection Agency, 1976.

A survey of options and processes of solid waste management. Contains good coverage of special wastes—waste lubricating oil, tires, sewage sludge, hospital wastes, and hazardous wastes, but contains only three short pages on reducing waste generation and does not cover inexpensive low energy systems.

587 Office of Solid Waste Management Programs, Technical Information Staff. *Solid Waste Management: Available Information Materials*. SW-58.23. Washington, D.C.: Office of Solid Waste Management Programs, U.S. Environmental Protection Agency, 1975. 45p. Available from U.S. Government Printing Office.

Listing of publications and other available educational materials collected by, or published by, the Environmental Protection Agency. Contains author and subject indexes.

588 Office of Toxic Substances. *Preliminary Assessment of Suspected Carcinogens in Drinking Water*. Report to Congress, December 1975.

Suggests some serious rethinking of the present practices of mixing sewage with drinking water. Many viruses from sewage are not affected by present water disinfection processes. Those same processes—particularly chlorination—may be linked with cancer and heart disease. There are simpler and better ways. This study gives reasons to seek them.

- 589 Office of Weatherization for Low Income. *Project Retro-Tech: Instructor's Kit for Home Weatherization Course*. Conservation Paper No. 28A. Washington, D.C.
- A beautifully done series of lesson plans designed to help supervisors of work crews engaged in home insulation, storm window installation, and weatherstripping. Vocational-technical schools also will find these manuals very useful in training the large cadre of skilled technicians, specializing in weatherizing homes, who will be needed as homeowners turn to retrofit measures for relief from higher energy costs.
- 590 Ohliger, John. "Radical Ideas in Adult Education." Special issue of *National Free University News*, No. 10, August 1976. 20p. 50¢ from Free University Network, Manhattan, Kans.
- A syllabus with 18 "radical ideas" backed up with a 78-item bibliography, many with long quotations from the items.
- 591 Ohliger, John, & Gueulette, David. *Media and Adult Learning: a Bibliography with Abstracts, Annotations, and Quotations*. New York: Garland, 1975. 486p. 1661 entries. \$38.
- 592 Ohliger, John, & McCarthy, Colleen. *Lifelong Learning or Lifelong Schooling?: a Tentative View of the Ideas of Ivan Illich with a Quotational Bibliography*. Occasional Paper No. 24. Syracuse, N.Y.: Syracuse University Publications in Continuing Education & ERIC Clearinghouse on Adult Education, July 1971. 96p. 157 entries. \$1.50.
- 593 Ohliger, John, & Rosenberg, Joel. *Compulsory Adult Education: a Preliminary Bibliography*. Madison, Wis.: Basic Choices, 1974. 49p.
- 251 entries, most of them annotated.
- 594 Olgyay, Victor. *Design with Climate: a Bio-Climatic Approach to Architectural Regionalism*. Princeton, N.J.: Princeton University Press, 1963. 190p. \$25.
- Basic guide to climate-sensitive siting and design of buildings. Quantitative information and techniques for measuring and calculating needed information are usually given.
- 595 Olgyay, Aladar, & Olgyay, Victor. *Solar Control and Shading Devices*. Princeton, N.J.: Princeton University Press, 1978. \$8.95 pap.
- Reviews practically all of the previously known principles of solar analysis and control in relation to buildings; in addition the authors have included fresh, original interpretations and methods of their own.
- 596 Olien, N. A., & Schiffmacher, S. A. *Hydrogen—Future Fuel: a Bibliography*. (With Emphasis on Cryogenic Technology). Boulder, Colo.: U.S. Department of Commerce, National Bureau of Standards, February 1975. c.1600 entries. Available from: Superintendent of Documents, U.S. Government Printing Office.
- This NBS Technical Note is a compilation of references dealing directly and indirectly with the possible future use of hydrogen as a fuel. The references were selected using an automated information system operated by the Cryogenic Data Center. This bibliography of references emphasizes the use of cryogenic technology in the hydrogen field. Articles are indexed under 40 subject headings and an author index is included. Over 1600 references are included in this bibliography.
- 597 Oliver, Paul, ed. *Shelter and Society*. New York: Praeger, 1969. 167p. bibliog. & notes, 154 entries.
- After examination of past and present attitudes to vernacular architecture, this collection of studies looks at specific ex-
- amples in various parts of the world, considering the relationship of the forms to the communities and conditions which have produced them. Some types offer a basis for comparative examination, like the Navajo hogan and Hopi pueblo of Arizona. Houseforms in Bagdad, Old Delhi, and Rajastan are compared with those now proposed by the re-settlement and development planners for these regions, with significant conclusions drawn from the evidence.
- 598 Olkowski, Helga, & Olkowski, William. *The City People's Book of Raising Food*. Emmaus, Pa.: Rodale Press, 1975. 228p. \$4.95.
- They begin with the advantages and drawbacks of city environment for growing food. There are chapters on how to best utilize space, wind and light, how to use sun and shade, and gardening on the roof and on the ground. They recommend simple, reliable ways of testing soil conditions and make suggestions for treating deficiencies. There are chapters on how to raise chickens, rabbits, and bees along with reflections on the benefits and drawbacks of these activities in the city. This book is factual and detailed and directly useful, and also contains references to other sources.
- 598a Olkowski, Helga; Olkowski, William; & Javits, Tom. *The Integral Urban House: Self-Reliant Living in the City*. Intro. by Sim Van der Ryn. San Francisco, Calif.: Sierra Club Books, September 1979. 512p. \$12.50 pap.
- Spreads the word about Farallones's work in creating models of tools for a sane and sustainable urban future.
- 599 Olsen, Marvin E., & Goodnight, Jill A. *Social Aspects of Energy Conservation*. Study Module IB Final Report submitted to Northwest Energy Policy Project, Portland, Oregon, by Battelle Human Affairs Research Center, Seattle, Wash., 1977. 175p. bibliog. pp. 164-175. \$7.50 from NTIS.
- Summarizes findings from sociological studies of energy conservation attitudes and behavior which in general show that the American public has thus far adopted only minimal conservation practices. Analyzes six strategies for implementing energy conservation programs, and concludes that informational and persuasive techniques are relatively worthless, that pricing and incentives can be quite effective for altering specific practices, and that governmental regulation and guidance can produce more extensive changes in energy consumption. Examines several possible social implications of energy conservation, including quality of social life, socioeconomic equity, and the development of a "conservation ethic," all of which could be affected by extensive energy conservation programs.
- 600 Olson, McKinley C. *Unacceptable Risk: the Nuclear Power Controversy*. New York: Bantam, 1976. 309p. \$2.25 pap.
- This well documented popular title reports on recent events and perennial issues of the nuclear controversy. A sound anti-nuclear polemic.
- 601 *Oregon Women's Resource Guide*. Portland, Oreg.: Continuing Education Publications, 1976. \$3.
- A useful model for a publication that includes some article/essay information as well as a directory to women's resources.
- 602 *An Organizer's Notebook on Public Utilities and Energy for New York State*. 300p. \$15 from Human Affairs Program, Cornell University, 410 College Avenue, Ithaca, N.Y. 14853.
- Excellent looseleaf guide to "citizen action" against a utility or oil company. Specific examples are from New York, but it is recommended for any consumer or public interest group, or to any individual wondering what to do about highhanded practices or high energy bills.

603 Ott, John N. *Health and Light*. Old Greenwich, Conn.: Devin-Adair Co., 1973. \$7.50.

Presents some of the reasons why people commonly get a headache and have trouble concentrating after a short period of time in fluorescent-lit buildings, why they are half asleep and have trouble remembering what they are doing after being half way through a supermarket. While pioneering time-lapse photography of plants he found strange things happening when he had to grow the plants in glass greenhouses or under artificial lights. A long series of experiments revealed important effects on biological systems of spectral ranges missing from artificial light or blocked by window glass. He also pioneered research showing dangerous effects of radiation from TV sets that brought development of new safety standards—he found that some TV tubes tested had X-ray emissions up to 1.6 million times the acceptable safety level established by the National Committee on Radiological Protection. Important study of the effects of natural and artificial lights on people and other living things.

P

604 Palmer, Roger C. *Alternative Research Center: a Proposal*. Washington, D.C.: ERIC Clearinghouse on Library and Information Science, 1973. 44p. \$3.50.

A brief review of the recent years of civil dissent and conflict in the U.S. and the underground press movement is presented as an introduction to this proposal that the university library of the State University of New York at Buffalo establish a system to acquire and house alternative materials. The author, assistant reference librarian, presents the objectives, rationale, and budget outlines for establishing and maintaining a special collection of alternative materials now part of the *Benedict Network*.

605 Pannekoek, Anton. *The Workers' Councils*. London. Freedom Press.

On similar lines to *Workers' Council and the Economics of a Self-Managed Society* (846).

606 Papanek, Victor. *Design for the Real World; Human Ecology and Social Change*. London: Paladin, 1973; New York: Bantam, 1976. \$2.95 pap.

"This is, in a sense, a very obvious book about designing for people rather than for profit. The question as to the partition of design for people and design by people is given less attention." (Peter Harper.)

607 Parke, Nathan Grier, III. *Guide to the Literature of Mathematics and Physics, Including Related Works On Engineering Science*. 2d rev. ed., New York: Dover, 1958. 436p. Over 5000 entries.

This edition shows a selection biased in the direction of applied mathematics. The books selected and the comments made should be of the greatest use to those who use mathematics. The peripheral books are those which might be of some help in trying to formulate problems in mathematical terms.

608 Parker, Harry. *Simplified Engineering for Architects and Builders*. New York: Wiley-Interscience, 1967. \$12.50.

Basic reference for structural calculations.

609 *Passive Solar Heating and Cooling Conference Proceedings*. University of New Mexico, 18-19 May, 1976. Albuquerque, N.M.: Available from Los Alamos Scientific Lab.

The 40 main speakers include most of the direct-solar experts in the U.S.

610 Pasztor, Magda, & Hopkins, Jenny. *Bibliography of Pharmaceutical Reference Literature*. London: Pharmaceutical Press, 1968. 167p.

"Works have been included which are considered important for reference purposes in pharmaceutics, pharmacology, pharmacognosy, pharmaceutical chemistry, biological sciences, and chemical engineering, but not cosmetology, perfumery, veterinary pharmacy and the history of pharmacy." (preface.) Emphasis is on works published in English since 1960. Items are grouped by type (e.g., dictionaries, directories, handbooks) and are subdivided by subject; most entries are annotated. Indexed.

611 Paulston, Rolland G., ed. *Non-Formal Education: an Annotated International Bibliography*. New York: Praeger, 1972. 333p. 875 entries. \$17.50.

Eighty percent of the items are annotated.

612 Paulston, Rolland G., & Leroy, Gregory. "Strategies for Non-Formal Education." *Teachers College Record*, Vol. 76, No. 4, May 1975. pp. 569-596. bibliog.

Contains an extensive bibliography on approaching learning without becoming enmeshed in the bureaucratic structure.

613 Pawlak, Vic. *How To Publish Community Information on an Impossibly Tight Budget*. Phoenix, Ariz.: Do It Now Foundation, Institute for Chemical Survival. 22p. 50¢

This pamphlet guides the reader through many of the steps in the off-set publication process: choosing a printer, getting a publication sponsor, mailing the issues, postal regulations, and securing permissions and copyright. Technological explanations are given for typesetting, paper varieties, ink selection, illustration alternatives, hot type, layout, and production techniques.

614 Pearsall, Marion. *Medical Behavioral Science: a Selected Bibliography of Cultural Anthropology, Social Psychology, and Sociology in Medicine*. Lexington, Ky.: University of Kentucky Press, 1963. 134p. 3064 entries.

Literature on medical culture seen with the blinkers of the behavioral technician.

615 "People's Yellow Pages: Disestablishmentarian Directories from Boston to Hawaii." *Doing It!, Practical Alternatives for Humanizing City Life*, No. 1, May 1976. pp. 16-21.

The fourth edition of the Boston Peoples Yellow Pages introduces itself as "... a social change source book ... It gives people information and contacts with which to control their lives, by living cheaply, by challenging oppressive institutions and by starting cooperative groups that meet their basic needs." The addresses of Peoples Yellow Pages in 25 U.S. cities are listed at the end of the article, also resources for preparing a People's Yellow Pages. One address is given for Canada and one for Europe.

616 Pesko, Carolyn. *Solar Directory*. Ann Arbor, Mich.: Ann Arbor Science, 1975. \$20.

617 Peterson, Christina, comp. *A Bibliography for Energy Efficiency in the Food System*. Seattle, Wash.: Educational Service District, Shoreline School District, 1976. 9p. 97 entries.

Useful for high school, undergraduate, and teacher training courses.

618 Philbrick, Helen, & Gregg, Richard B. *Companion Plants and How To Use Them*. Old Greenwich, Conn.: Devin-Adair, 1966. 113p. \$5.95.

List of plants which are repelled or attracted by others. The method is based on the study of the mutual influences of plants. This book has been compiled chiefly for practical

farmers and gardeners. With alphabetized list of plants that may help or hinder the other ones.

- 619 Pierotti, Anne; Keeler, Andrew G.; & Fritsch, Albert. *Energy and Food: Energy Used in Production, Processing, Delivery and Marketing of Selected Food Items*. Washington, D.C.: Center for Science in the Public Interest, 1977. 76p. References, pp. 75-76. \$20.

Seeks to make a comprehensive examination of the sources and inputs of energy used in bringing food to homes. A listing is made of common food items and the amounts of energy needed to produce, transport, process, and market them. A table in EUs per pound is provided on pages 59 through 70. (1 EU = 10 kilowatt-hour equivalents. On the average, each U.S. citizen uses 10,000 EU per year.) A broad breakdown of how the energy is distributed in the agricultural and food processing sector is given. More than a quarter of this energy is allocated to packaging and marketing. Includes detailed energy accounting which makes it possible to compare energy intensities of a wide range of food products.

- 620 Pinkerton, James R., & Pinkerton, Marjorie J. *Outdoor Recreation and Leisure: a Reference Guide and Selected Bibliography*. Columbia, Mo.: Univ. of Missouri, Research Center, School of Business and Public Administration, 1969. 332p.

Classed arrangement with author and title indexes.

- 621 Pirsig, Robert M. *Zen and the Art of Motorcycle Maintenance: an Inquiry Into Values*. London: Corgi Books, 1974. New York: Morrow, 1974. 406p. \$8.95.

In lyrical language the author meditates convincingly on the beauty and effectiveness that distinguish the personally manageable from the manipulating tool.

- 622 Pittaway, Andy, & Scofield, Bernard, eds. *The Complete Country Bizarre*. Nos. 1-11, 1970-1974. London: Astragal Books, 1976.

In the early 1970s *The Country Bizarre* appeared seasonally in 11 issues filled with a peculiar patchwork of country matters ranging from conservation, folklore, and craftwork to nature stories, poems, and pictures. The magazine ceased publication in 1972 to enable the editors, Andy Pittaway and Bernard Scofield, to write their craft book *Country Bazaar*.

- 623 Pittaway, Andy, & Scofield, Bernard. *Country Bizarre's Country Bazaar*. London: Architectural Press, 1974. bibliog.

A collector's piece on all the countless books on windmills and watermills, industrial archaeology, thatching, potting, smithing and every other conceivable rural craft. Excellent bibliography.

- 624 Poertner, Herbert G. *Practices in Detention of Urban Stormwater Runoff: an Investigation of Concepts, Techniques, Applications, Costs, Problems, Legislation, Legal Aspects and Opinions*. Special Report No. 43. Chicago: American Public Works Association, 1974. 231p. bibliog. pp. 173; 221-231.

Presents the findings of an exhaustive study made of all aspects of on-site detention of excess urban runoff as it relates to reducing local flooding, soil erosion, siltation and pollution.

- 625 Popenoe, Cris. *Books for Inner Development: the Yes! Guide*. Washington, D.C.: Yes! Inc., 1976. Dist. in the U.S. & Canada by Random House. 383p. \$5.95.

Provides critical reviews of some 8000 books, plus introductory articles and brief summaries of the principal individuals, schools, and ideas important to inner development.

- 626 Popenoe, Cris. *Wellness: the Yes! Bookshop Guide*. Washington, D.C.: Yes! Inc., 1977. dist. by Random House, New York. In the U.K. available from Watkins Bookshop. \$4.95.

The annotated sales catalog of the Yes! Bookshop in Washington, which serves the U.S. holistic health movement. Lists about 1500 health related items under three dozen headings that range from arthritis, massage, and Shiatsu to yoga, bread fasting, and herbs. Author index. Excellent survey of the holistic health movement that has taken shape in the U.S. and Canada since 1975.

- 627 Poulat, E. "Soixante-dix ans d'études associat-ionistes: Les theses universitaires francaises (1885-1955)." *Communauté*. Archives Internationales de Sociologie de la Coopération et du Développement, No. 1, January-June, 1957 & No. 2, July-December, 1957.

- 628 Powell, Wyley L., & Falby, Walter F., comps. *Ontario Energy Catalogue: a Directory of Who's Doing What in Energy in Ontario and a Bibliography of Materials on Energy Available in Ontario*. Toronto: Ontario Library Association, 1977. 170p. \$9.

Compilation of individuals and organizations, including libraries, with a detailed bibliography of books, audiovisual materials, and databases published since 1973.

- 629 Prasad, C. R.; Krishna Prasad, K.; & Reddy, A. K. N. "Bio-Gas Plants: Prospects, Problems and Tasks." *Economic and Political Weekly*, Vol. 9, No. 32-34, August 1974. pp. 1347-1364.

Contains a detailed study of whether bio-gas plants will fulfill the demand for decentralized energy and fertilizer production, particularly in the large number of small villages which, on economic grounds, are going to be bypassed in rural electrification programs.

- 630 Prenis, John, ed. *Energybook #1: Natural Sources and Backyard Applications*. Philadelphia, Pa.: Running Press, 1975. 112p. bibliog. \$4.

An assortment of essays, with contributions by Buckminster Fuller, Steve Baer, Henry Clews, Harold Hay, and others. The emphasis is on solar, wind, and methane energy. The bibliography has brief annotations.

- 631 Prenis, John, ed. *Energybook #2: More Natural Sources and Backyard Applications*. Philadelphia, Pa.: Running Press, 1977. 125p. bibliog. \$5.

Like *Energybook #1*, this is a sampling of the alternative energy field, although somewhat more technical than its predecessor. Three sections discuss wind energy, solar energy, methane, plant energy, and trash power, with articles written by a variety of people with experience in the alternative energy field.

- 632 Public Affairs Clearinghouse. *Energy: a Guide to Organizations and Information Resources in the United States*. 2d ed. Claremont, Ca.: Center for California Public Affairs, Box 30, 1978. 225p. \$19.

First published in 1974, this edition covers more than 1500 organizations in ten areas: energy in general, oil and gas, coal, water power, nuclear fission, solar and wind, electric utilities, energy conservation, environmental impacts, and consumer aspects. Indexed by name, keyword, subject, and acronyms.

- 633 Public Interest Research Group. *A Citizen's Handbook on Solar Energy*. Washington, D.C.: Public Interest Research Group. 56p. \$1.50 individuals, \$8. institutions & businesses.

Introduction to the economic and technical feasibility of so-

lar energy. Acquaints the reader with current areas of solar research. Lists solar experts and information sources.

Q

634 Quattrochi, Angelo. *Italia Alternativa*. Milano: Edizioni Ottaviano. 224p. Lire 2.800.

Italian version of *Alternative England and Wales*. Volume 2 is announced.

635 Quigg, Philip W., ed. *World Directory of Environmental Education Programs*. Post-Secondary Study & Training in 70 Countries. Fwd. by Barbara Ward. New York: Bowker, 1973. 289p. \$14.95.

Some 1070 programs offered in 740 colleges, universities, and technical institutes in the U.S. and 69 other countries are listed and described. Indexes list institutions by area of specialization and by types of programs available.

R

636 Raghavendra Rao, G. S., comp. *Waste Treatment Technology: with Particular Reference to Biowaste Treatment; a Bibliography*. Bangalore: AS-TRA, Cell for the Application of Science and Technology to Rural Areas, October 1976. c. 230p. mimeograph. c. 1400 entries.

The span represented here is roughly 1940-1976. The list covers economic, scientific, and social aspects of biowaste treatment. A new updated version is being prepared.

637 Raphe, J. *17 éoliennes faciles a construire*. Paris, Société Parisienne d'Édition, 1975. 79p.

Seventeen windmills easy to construct. A "bricoleur" manual.

638 Rea, Louis M. *Transportation and Poverty: a Selected Bibliography*. Council of Planning Librarians, Exchange Bibliography No. 1237, March 1977. Monticello, Ill.: Mary Vance, editor. 8p. 61 entries. \$1.50.

Three-page introduction. "... The bibliography begins with some of the papers presented at the Conference on Transportation and Poverty held in June 1968. Since this Conference, efforts have been made to broaden the base of knowledge concerning transportation access for the poor. A number of studies, which attempted to place the transportation problems of the urban poor into a regional or metropolitan perspective, were conducted within city planning agencies as well as universities. Major studies were undertaken in such cities as Buffalo, Syracuse, New York City, Los Angeles. References to the most significant of these findings are recorded in this bibliography."

639 *Reader's Adviser*. Expanded 11th ed. 2 vols. New York: Bowker, 1968-69. Vol. 1, \$23.50; Vol. 2, \$21.50.

"An Annotated Guide to the Best in Print" over a wide spectrum of classes and subjects. Of immediate interest are chapters on tools of the book trade, bibliography, encyclopedias, dictionaries, reference books, biography, travel, science, and history. Added reasons for owning the book are to be found in the sections on essays, drama, fiction, poetry, and philosophy. Excellent for finding quickly a "bit" of information; even better for browsing." (Eugene S. Ferguson, *op. cit.*)

639a *Reader's Adviser: a Layman's Guide to Literature*, 12th edition. 3 volumes, Sarah L. Prakken, general editor. New York: Bowker, 1974-1977. 3 volume set \$69.95; \$27.50 per individual volume.

Volume One edited by Sarah L. Prakken is titled "The Best in American and British Fiction, Poetry, Essays, Literary Biography, Bibliography, and Reference." Volume Two is "The Best in American and British Drama and World Literature in English Translation," edited by F. J. Sypher. "The Best in the Reference Literature of the World," edited by Jack A. Clarke is Volume Three.

640 Reeves, Dorothea D., comp. *Resources for the Study of Economic History: a Preliminary Guide to the Pre-Twentieth Century Printed Material in Collections Located in Certain American and British Libraries*. Fairfield, N.J.: Kelley, 1961. 62p. \$4.

A report on about 35 libraries and special collections pertaining to this field, whose source materials are often of interest to technological historians. Hours, regulations, loan and reproduction policies, a short statement on the nature of collections, and notice of guides and publications are given for nearly every institution. Very good.

641 *Resurgence. Time Running Out? Best of Resurgence*. sel. by Michael North, intro. by Satish Kumar. Dorchester, England: Prism Press, 1976. 125p. £2.25 pap. N.Y., Universe Books, 1977. \$5.95 pap.

A selection of the best articles in *Resurgence* from the last ten years.

642 Rich, Laurie, & Ziegler, Karen, eds. *Solar Update*. New York: Environment Information Center, 1977. \$27.50.

Comprehensive information on organizations active in the field of solar energy.

643 Rider, K. J. *The History of Science and Technology: a Select Bibliography for Students*. Special Subject List No. 48. London: The Library Association, 1967. 60p. 250 entries.

"An informatively annotated list of 250 titles "for students embarking on the subject and for the general reader." The history of science occupies half the book; the history of technology is treated separately in the other half. Included are bibliographies, general histories, periodicals, biographies, and subject histories. The selection, judicious and manageable in length, exhibits an enviable knowledge of available works." (Eugene S. Ferguson, *op. cit.*)

644 Rimberg, David. *Utilization of Waste Heat from Power Plants*. Energy Technology Review, Vol. 3. Park Ridge, N.J.: Noyes Data Corp., 1974. 171p. \$18.

The generation of waste heat from electric power plants and the prospect for its utilization in agriculture, thermal aquaculture, and wastewater treatment is studied, and research priorities are reviewed.

645 Rittenhouse, Jack D. *Carriage Hundred: a Bibliography of Horse-Drawn Transportation*. Houston, Tex.: Stagecoach, 1961. 49p.

A sensible selection of 100 titles from 1671 to the present; annotated.

646 Rivers, Patrick. *The Survivalists*. London: Eyre-Methuen, 1975. N. V. Universe Books, 1976. 225p. \$4.95. pap.

An attempt to survey the more ecological aspects of the Radical Technology movements, the results of Rivers' peregrinations round Britain and the United States. It should be a helpful list of contacts with plenty of comment.

- 646a Robertson, James. *The Sane Alternative: Signposts to a Self-Fulfilling Future*. 151p. £1.80; \$5. Self-published. Available from James Robertson, 7 St. Ann's Villas, London W11 4RU, England, or from TRANET, Box 567, Rangeley, Me. 04970. Examines five possible futures: business as usual; disaster; totalitarian conservationist (TC); hyper-expansionist (HE); and the sane, humanistic, ecological (SHE) future. Only the latter is viable. This means changing some paradigms which Robertson describes. A list of people and organizations with addresses is given on pp. 135-146.
- 647 Robinette, G. O. *Plants, People and Environmental Quality*. 1972. \$4.35 from U.S. Government Printing Office, Washington, D.C. A good guide to what plants can do for you—privacy, climate control, engineering, and beauty. How to control sun, ventilation, temperature, noise and wind. Important information to know before planting or building.
- 648 Roemer, Kenneth K. *The Obsolete Necessity: America in Utopian Writing 1888-1900*. Kent, Ohio: Kent State University Press, 1976. 239p. bibliog. pp. 181-213. \$10. The bibliography offers annotations of 160 American utopian and anti-utopian works of this period, many of them responding to Edward Bellamy's *Looking Backward* (1888), an immensely influential work in its time.
- 649 Roess, Anne C. *Liquefied Natural Gas: a Bibliography: 1937-1967*. Arlington, Va.: Library Services, Institute of Gas Technology, for the Liquefied Natural Gas Committee, American Gas Association, Inc., February 1968. c.141 abstracts.
- 650 Rogovin, Mark & others. *Mural Manual: How To Paint Murals for the Classroom, Community Center and the Street Corner*. Boston, Mass.: Beacon Press, 1975. \$5.95. How to use city walls, inside or out, to mobilize citizens for community action.
- 651 Romanini, Claudio. *Ecotécnicas para el trópico húmedo: Con especial referencia a México y América Latina*. México, Centro de Ecodesarrollo del CONACYT (Consejo Nacional de Ciencia y Tecnología) 1976. 184p. bibliog. p. 149-184. 332 entries.
- 652 Ronco, Williams. *Food Co-ops: an Alternative to Shopping in Supermarkets*. Boston, Mass.: Beacon Press, 1974. \$3.95 pap. How to bypass the supermarkets and save money through group purchases: wholesalers who will cooperate are listed.
- 653 Rose, Barbara, comp. *Agriculture and Biology: Selected Reference Sources in Mann Library*. Ithaca, N.Y.: Cornell University, The Libraries, 1970. 42p. A listing of guides, bibliographies, dictionaries, handbooks, directories, etc., in the field of agriculture, biology, and closely related areas. Brief annotations for most entries.
- 654 Rosenberg, Marie Barovic, & Bergstrom, Len V., comp. & ed. *Women and Society: a Critical Review of the Literature with a Selected Annotated Bibliography*. Beverly Hills/London: Sage Publ., 1975. 354p., about 3600 entries. \$17.50. (see 266).
- 655 Ross, Bob, & Ross, Carol. *Modern and Classic Woodburning Stoves and the Grass Roots Energy Revival*. Woodstock, N.Y.: Overlook Press, 1976. 143p. bibliog. pp. 139-140. \$10. Detailed and thorough manual on design, operation, and installation of wood stoves. Gives a model description of features and design of a very wide range of heaters, using a fireplace for heating, and converting fireplaces to wood heaters. Complements Shelton's work on efficiencies and Bill Day's guide to actual use performance of various units. Appendixes with houses designed for wood heat, details of Ken Kern's barrel stove, chimney installation, manufacturers, and tables comparing wood and other fuel costs with various heater efficiencies.
- 656 Roszak, Theodore. *The Making of a Counter Culture: Reflections on the Technocratic Society and its Youthful Opposition*. New York: Doubleday, 1969. 303p. Bibliographic notes pp. 291-303. \$2.90 pap. "... high industrial society, due to its scale, pace and complexity, is inherently technocratic, and so inherently undemocratic. . . . The strategy of countervailing expertise, while capable of stopgap success on specific issues, leaves wholly untouched and does not challenge the universally presumed rightness of the urban-industrial order of life. . . . Our technology, freighted with all the prestige the western hegemony can lend it, communicates nothing so efficiently as itself: its attendant values and ideologies, its obsession with power-knowledge, above all the underdeveloped worldview from which it derives. Though some may celebrate such ironies, what is it but the death of dialogue when the medium blocks out every message and asserts only itself?"
- 657 Roszak, Theodore. *Where the Wasteland Ends: Politics and Transcendence in Post-Industrial Society*. New York: Anchor, 1973; London: Faber & Faber, 1973. Bibliographic notes pp. 466-492. \$2.95 pap. "Easily read popularization, but Maurice Daumas, in a review in *Revue d'histoire des sciences*, 11 (1958), pp. 93-95, makes the point that it is too facile, decidedly not good history." (Eugene S. Ferguson, *op. cit.*)
- 658 Rousseau, Pierre. *Histoire des techniques et des inventions*. Paris: Hachette, 1967. 415p. "Easily read popularization, but Maurice Daumas, in a review in *Revue d'histoire des sciences*, 11 (1958), pp. 93-95, makes the point that it is too facile, decidedly not good history." (Eugene S. Ferguson, *op. cit.*)
- 659 Rowe, Jonathan, & Beaudry, Ann, eds. *New Directions in State and Local Tax Reform*. Washington, D.C.: The Conference on Alternative State & Local Public Policies, 1977. 393p. \$6.50. Citizen guide to evaluation of tax proposals; invaluable collection of innovative tax policies.
- 660 Rudofsky, Bernard. *Architecture Without Architects: a short Introduction to Non-Pedigreed Architecture*. New York: Doubleday, 1964. This slim sequence of photographs, avant-garde at the time of publication, is now a classic.
- 661 Rural Communication Services, comp. *Village Technology Handbook*. Geneva: Lutheran World Service, 1977. Loose sheets. Contains international organizations, contact groups and persons; books and periodicals.
- 662 Russo, Francois. *Eléments de bibliographie de l'histoire des sciences et des techniques*. 2 ed. refondue et augmentée. Paris: Hermann, 1969. 213p.
- 663 Russo, François. *Histoire des sciences et des techniques: bibliographie*. Actualités Scientifiques et Industrielle 1204. Paris: Hermann, 1954. 186p. "I have found this a very useful adjunct to Sarton's *Guide*. The author has, along with the history of science, systematically treated the history of technology, too long neglected and too often artificially separated from the history of the

sciences with which, especially after the eighteenth century, it is closely allied." Russo's work is not heavy with technology, however, and I think that his idea of a definitive combined bibliography is more a desideratum than a real possibility. Nevertheless, one excellent feature of this book is a list of 290 scientific and technical authors of the 16th to 18th centuries (pp. 58-91) which includes many of the pioneering works on technology; Agricola, Barba, Belidor, Beson, Bion, Biringuccio, Böckler, Camus, Caus, and so forth, and a list of over 200 authors of the 19th and 20th centuries (pp. 96-116). I have seen a mimeographed *Supplement* (1955, c.30p.)." (Eugene S. Ferguson, *op. cit.*)

664 Russo, Francois. *Pour une bibliotheque scientifique*. Paris: Seuil, 1972. 224p.

A guide to the literature of the natural sciences written both for the layman and for the specialist who seek orientation on a neighbouring branch. Each of the seven chapters is prefaced by a five to seven page introduction that explains the key terms and the taxonomies used in the special field. Contains one chapter on science and civilization, another on logic and mathematics. Includes mostly books published or translated into French since 1960. For earlier references see L. N. Malcles, *Les sources du travail bibliographique*, vol. III, 1958.

665 Ruzek, Sheryl K. *Women and Health Care: a Bibliography*. Chicago: Northwestern University, 1975. Partly annotated.

666 Rye, Owen S., & Evans, Clifford. *Traditional Pottery Techniques of Pakistan*. Field & Laboratory Studies. Smithsonian Contribution to Anthropology, No. 21. Washington, D.C.: Smithsonian Institution Press, 1976. 283p.

Deals with detailed observations from field expeditions (1967-1971) on making of unglazed ware in 13 areas and glazed ware in five major centers. For each center a brief outline of the area is given, followed by an outline of the potter's craft: tools and equipment, materials gathering and preparation, forming and finishing techniques, decoration, glazing, kilns and firing, and types of ware. Well illustrated.

S

667 Sable, Martin H. *Latin American Urbanization: a Guide to the Literature, Organizations and Personnel*. Metuchen, N.J.: Scarecrow, 1971. 1077p. 6903 unannotated entries. \$27.50.

Treated in this *Guide* are problems of urbanization and allied fields, including urban education, public health, transportation and communications, industrialization, social change, housing, crime and juvenile delinquency, cost of living, employment, public welfare, municipal government, and finance. Includes specialized directories of "working" and research organizations, and a list of urbanization specialists.

668 Sabor, Josefa E. *Manual de fuentes de informacion: Obras de referencia, enciclopedias, diccionarios, bibliografias, etc.* 2d rev. ed. Buenos Aires: Kapelus, 1967. 342p.

669 Sachs, Wolfgang. *Schulzwang und soziale Kontrolle: Argumente für eine Entschulung des Lernens* Frankfurt am Main: Verlag Mortiz Diesterweg, 1976. 174p. bibliog. pp. 167-174.

670 Sader, Marion, ed. *Comprehensive Index to English Language Little Magazines, 1890-1970*. 8 vols. Series I. Millwood, N.Y.: Kraus-Thomson Organization, 1976. set \$590.

"... The function of the little magazine is the publication of material that is unlikely to be acceptable for commercial pe-

riodicals, not because of its inferior quality but because of its limited audience and because of its disregard of taboos. Other reasons are flagrant individualism and iconoclasm in style and substance..." (from preface by Felix Pollak). In the preface Pollak also gives a definition of what is a "little" magazine and describes when "little" ceases and "big" begins. Of the 100 periodicals indexed (in series I), 59 are partly or totally American; they are representative of the period 1890-1970. Many were devoted mainly to poetry, others placed their emphasis on either criticism or fiction. The *Comprehensive Index to English Language Little Magazines* brings complete bibliographic control to the contents of 100 little magazine titles.

671 Sahlins, Marshall. *Stone Age Economics*. Chicago: Aldine, 1972. 348p. \$6.95 pap.

"The market-industrial system institutes scarcity, in a manner completely unparalleled and to a degree nowhere else approximated. Where production and distribution are arranged through the behaviour of prices, and all livelihoods depend on getting and spending, insufficiency of material means becomes the explicit, calculable starting point of all economic activity. Consumption is a double tragedy: what begins in inadequacy will end in deprivation. Within consumer free choice, every acquisition is simultaneously a deprivation." Sahlins points out that the institutionalized hunger of the 1960s is an unprecedented phenomenon, and accumulates evidence that in a typical Stone Age culture a much smaller percentage of people than today went to bed malnourished and hungry.

672 Salaman, R. A. *Dictionary of Tools Used in the Woodworking and Allied Trades, 1700-1970*. Woburn, Mass.: Woodcraft Supply Corp., 1975. 545p. \$48.10.

"... Not only an incredible array of woodworking tools from past and present shown, but plenty of special-purpose (like wheelwrighting) ones, too. The extra clear illustrations often show the tool in action. There are diagrams of coaches, barrels, farm wagon undercarriages, Dutch windmills, and the like. All wood. This adds up to a book that is much more than a museum display of artifacts..." (suggested by J. Baldwin.)

673 Samuel, P.; Gautier, Y.; & Sachs, I., eds. *L'homme et son environnement: De la démographie à l'écologie*. Présenté par René Dumont. Paris, Les Encyclopédies du savoir moderne, 1976. 511p.

An encyclopedia of ecology with 250 articles in alphabetic order, ten of which are major essays that occupy more space than the others taken together. A useful companion for the lay reader of books on environment, but not a guide to further study.

674 Samuels, Mike, & Bennett, Hal. *The Well Body Book*. New York: Random House/Bookworks, 1973. 349p. \$7.50 pap.

A medical handbook describing how to perform a complete physical examination, how to diagnose common diseases, how to practice preventive medicine, and how to obtain the most help from a physician.

675 *San Francisco—East Bay—Women's Yellow Pages, 1977-78*. 3d ed. Berkeley, Calif.: Women's Yellow Pages, 1978. 79p. 50¢.

A comprehensive directory of women's skills, services, and resources in San Francisco and the East Bay. Includes listings and ads only from projects which are purposefully "women-owned" and/or "women-operated." This edition for the first time includes a section on survival resources.

676 Santa Clara County Office of Appropriate Technology, ed. *Resources for Appropriate Technology in Santa Clara County: a Sourcebook*. San José, Calif.: Santa Clara County Office of Appropriate

- appropriate Technology, 1978. 106p. Available to residents of that county free plus 50¢ postage.
- "A regional sourcebook that is full of information, as well as an exemplary model for other counties in the nation. The section on food and agriculture is appropriately one of the strongest sections in a book that is geared towards a once completely agricultural community. The Santa Clara Valley has been radically developed from a lovely orchard/plant/food producing paradise to a smoggy car-oriented apartment suburb; this sourcebook lists the important groups, tools, books, and people to connect with in order to survive there in a positive way." (Linda Sawaya, *Rain*.)
- 677 Sangster, Robert P., comp. *Ecology: a Selected Bibliography*. Council of Planning Librarians. Exchange Bibliography No. 170, January 1971. Monticello, Ill.: Mary Vance, editor. 27p. 320 entries. \$3.
- 678 Sarton, George, comp. "Critical Bibliography of the History and Philosophy of Science and of the History of Civilization." *Isis*, Cambridge, Mass.: History of Science Society, 1913- , V. 1, No. 1- , Quarterly.
- Numbers 1-79 (1913-1953) were compiled by George Sarton. No. 80 (June 1955) was entitled "Critical Bibliography of the History of Science and its Cultural Influences." Long, valuable, critical, annotated biblio-articles, supplementing material in Sarton's *Introduction to the History of Science* and *Horus*. Classified arrangement, with author index to each part.
- 679 Sarton, George. *Horus: a Guide to the History of Science; a First Guide for the Study of the History of Science, with Introductory Essays on Science and Tradition*. Waltham, Mass.: Chronica Botanica, 1952. 316p.
- "This book, by the founder of the discipline of the history of science and founder and editor of *Isis* and *Osiris*, is one fortunate result of a lifetime of intense and systematic bibliographical interest. Because Sarton saw the history of technology as a part of his discipline, his bibliography contains much that is of interest to the historian of technology. Thorough familiarity with and frequent use of Sarton's *Guide* will not only save a scholar's time, it will also enrich and deepen his sensitivity to available source and reference materials. A series of introductory essays (pp. 3-66), particularly recommended, are based upon lectures given by Sarton at the University of London in 1948." (Ferguson, *op. cit.* p.17.) The bibliography is in four parts, each consisting of six to eight chapters: history: science (dealing with method, philosophy, periodicals, and national academies and societies); history of science; and organization of the study and teaching of the history of science. The entries are not annotated, but many contain detailed notes. Evaluative remarks often appear at the beginning or end of chapters.
- 680 Saunders, Nicolas. *Alternative London*. Updated & rev. by Steve Barron. London: Wildwood House, 1977. £1.95 pap.
- A small volume bursting with well-researched information and contacts on arranged by topics such as: "housing, homemaking, money, in trouble, communications, self-development, drugs, sex, crafts, community development, liberation, getting around, and strangers." Useful far beyond London. (See 681, 851.)
- 681 Saunders, Nicholas. *Alternative England and Wales*. London: Nicholas Saunders, 1975. 368p. £2.95.
- 682 Saunders, Norman B. *Solar Heating Papers*. "Guide," 50¢; "Basics," \$4; "Supplement," \$4; "Builders Set," 4; "Index," \$1. from: Norman B. Saunders, 15 Ellis Rd., Weston, Mass. 02193.
- A phased self-teaching course that begins at high school lay-
- man level and proceeds through construction to a high professional level. Questions are answered clearly and comprehensively. Emphasizes use of passive methods and energy conservation over application of more expensive, active solar heating systems. Covers cost tradeoffs and economics of life cycle. Excellent.
- 683 Schmidt, Heiner. *Bibliographie zur literarischen Erziehung: Gesamtverzeichnis 1900 bis 1965*. Köln: Benziger, 1967. 819p.
- Extensive bibliography of German-language materials on various aspects of education of the young, with emphasis on language and the teaching of literature. Arranged by subject, with detailed indexes. Includes a list of pertinent German-language periodicals.
- 684 Schnautz, Joanne, ed. *Help: a Directory of Services for Nonprofit Organizations*. San Francisco, Calif.: The Youth Project, 1976. 110p. bibliog. \$3.95.
- Lists 436 individuals and groups, including generalists, fund raisers, legal assistance, accountants, management consultants, media/communications people, community organizers, human resources and others. It is fully indexed, very usable, and contains a bibliography with each section. *Help* is a model directory of services for nonprofit groups in the San Francisco Bay area.
- 685 Schoen, Richard; Hirshberg; & Weingart. *New Energy Technologies for Buildings: Institutional Problems and Solutions*. ed. by Jane Stein. Cambridge, Mass.: Ballinger, 1975. \$4.95 pap.
- On institutional barriers to energy conservation: trade unions, building codes, the construction industry.
- 686 Schofield, S. *Village Nutrition Studies: an Annotated Bibliography*. Sussex: Institute of Development Studies, University of Sussex, 1975.
- 687 Schrank, Jeffrey, ed. *Seed Catalog: a Guide to Teaching-Learning Materials*. Boston, Mass.: Beacon Press, 1974. \$6.95 pap.
- More than 350 pages of materials, organizations, ideas, devices. Emphasis is on the simpler, less expensive teaching tools. For the teacher, hermit, administrator or librarian. A high percentage of the groups and materials listed did not exist six or seven years ago.
- 688 Schubert, Christoph, ed. *Handbuch der alternativen deutschsprachigen Literatur*. 3., Fully updated edition 1976/77. Hamburg/Munich: Verlag PE.CH, 1976. 78p.
- A "Who is Who" with detailed information of about 150 authors who have not published with commercial publishers; precise information on about 40 minipublishers and three dozen periodicals, all in German. Emphasis is on literature and life-styles, but includes some valuable information on alternative technology.
- 689 Schumacher, E. F., ed. *Small Is Beautiful: Economics as if People Mattered*. Introd. by Theodore Roszak. New York: Harper Torchbooks, 1973. London, Blond & Briggs, 1973. 290p. \$2.45 pap.
- A classic of decentralist thought, countering the current "religion of economics" with the possibility of "economics as if people mattered." Emphasizes the importance of natural and irreplaceable capital, such as fossil fuels and the tolerance margins of nature, as necessary determinants of value. Argues for small-scale, appropriate technology and for placing the logic of life and nature above the logic of production. Somewhat repetitious, since it is a collection of 20 years' writings, but seminal nonetheless. Schumacher is founder of the Intermediate Technology Group in England and author of "Buddhist Economics" one of the sections in this book.

690 Schumacher, E. F. "Technology and Political Change." (2 pts). *Rain*, Vol. 3, No. 3, December, 1976. pp. 8-10; Vol. 3, No. 4, January, 1977. pp. 8-10.

A complement to *Small Is Beautiful*.

691 Schwartz, Eugene S. *Overskill: the Decline of Technology in Modern Civilization*. Chicago: Quadrangle Books, 1971. 338p. "Further readings" pp. 310-324. \$8.95.

The thesis of the book: crises that threaten human survival are inherent in science and technology and are not amenable to rectification by more science and technology. Science is shown to be based upon a set of inconsistent axioms that are accepted as an act of faith.

692 Science and Public Policy Program. *Energy Alternatives: a Comparative Analysis*. Norman, Okla.: University of Oklahoma, The Science & Public Policy Program. May 1975. c.639p. bibliog. & references after each chapter. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

This report is intended to contribute to the development of a methodology for systematically identifying, assessing, and comparing energy alternatives in environmental impact statements. It provides descriptions and data on the major energy resource systems in the United States and suggests procedures for using these descriptions and data. Part I contains descriptions of the coal, oil shale, crude oil, natural gas, tar sands, nuclear fission, nuclear fusion, geothermal, hydroelectric, organic waste, and solar energy resource systems plus descriptions of electric power generation and energy consumption. Part II describes procedures for using the descriptions and data contained in Part I in systematically evaluating and comparing the residuals, efficiencies, and economic costs of a proposed energy action and its alternatives.

693 The Science Library. *Bibliographical Series, No. 1, 1930- . South Kensington, London SW7*.

"The individual numbers are generally short lists of current works in restricted fields, not intended to provide historical background, and thus are presently of limited help to the historian. An index to Numbers 1-555 was published in New York Public Library, *Bulletin*, 46 (Aug. 1942), pp. 707-731. An index to Numbers 1-789 is in Science Museum, *List of Science Library Bibliographical Series* (London, 1965, 32p.), which is available from the Science Museum." (Eugene S. Ferguson, *op. cit.*)

694 *Scientific American. Energy and Power*, a Scientific American Book. San Francisco, Calif.: W. H. Freeman & Co., 1971. 307p. bibliog. pp. 293-301.

"Place the energy consumption of civilization in a long time perspective, reaching into the future as well as into the past, and in the broad context of understanding that comes—along with power itself—from objective knowledge . . ." (preface.) With contributions by Chauncey Starr, Roy A. Rappaport, Earl Cook, Milton Katz, and Daniel B. Luten.

695 *Scientific American. Man and the Ecosphere. Readings from Scientific American*. With commentaries by Paul R. Ehrlich, John P. Holdren, Richard W. Holm. San Francisco, Calif.: W. H. Freeman & Co., 1971. 307p. bibliog. pp. 293-301.

" . . . A selection of 27 articles treating a variety of aspects of the growing crisis in population, resources, and environment—its history, its components, its implications. These articles, together with the commentaries that introduce them, convey a sense of the dimensions of man's impact on the ecosphere and, correspondingly, of the fundamental sociological changes required to alleviate that impact while an element of choice still remains. The articles have appeared in *Scientific American* during the past 15 years. Most of them stem from the later part of this period . . ." The bibliogra-

phies were current at the time of original publication of each article.

696 Scott, R. Denny. *The Energy Dilemma—What It Means to Jobs*. Portland, Ore: International Woodworkers of America, Department of Research, Education and Collective Bargaining Coordination, August 16, 1976. 15p.

Refutes claims made that unemployment will result if increased energy supplies are not obtained, examines effects of automation in reducing employment, and explores the myth that energy and GNP and well-being are closely linked. It concludes that economic and employment growth can occur in sufficient quantity to accommodate an expanding workforce without a corresponding increase in energy consumption.

697 Secretariat for Future Studies. *Energy and Society: Conceptual Outline Introducing a Future Study*. Stockholm: December 10, 1975. 60p.

Discusses in detail the design of "Energy and Society" a future study of the relationship between the future structure of Swedish society and the need for energy.

698 Seldman, Neil N. *Garbage in America: Approaches to Recycling*. Working Papers. Washington, D.C.: Institute for Local Self-Reliance, 1975. 49p. Footnotes & references pp. 30-33.

Contents: effects of source reduction and recycling on waste management; recycled materials market; recycling the low technology way; three case studies of low technology collection/recycling. Update March 1976.

699 Seymour, John. *The Guide to Self-Sufficiency*. New York: Popular Mechanics Books, 1976. \$11.95.

"Distillations from Seymour's lifetime of managing an 18,000-acre sheep ranch, living on a five-acre self-sufficient smallholding, being a veterinary livestock officer in Africa, working in a copper mine, surveying and game hunting, living on a fishing boat, writing, and broadcasting. This is one of the best of this genre—comprehensively illustrated and covering in detail a range of skills not usually covered in such books—working stone and splitting slate, basketry, charcoal making, barrelmaking, thatching, and much more. A refreshingly broader, more experienced and more detailed presentation than most American counter-culture based books." (*Rainbook*.)

700 Seymour, John. *The Self-Sufficient Gardener*. London: Faber & Faber, 1978. £6.95.

Introduces a new way of cultivating, based on a technique derived from ancient Chinese practices, to make it possible on a very small patch to grow very high yields. The author calls it the "deep bed method" and explains how it may be used.

701 Seymour, John, & Seymour, Sally. *Farming for Self-Sufficiency: Independence on a Five-Acre Farm*. New York: Schocken, 1973. \$4.95 pap.

702 Shaddock, Gregg, & Moore, James A. *The Anaerobic Digestion of Livestock Wastes to Produce Methane, 1946-June 1975: a Bibliography with Abstracts*. St. Paul, Minn.: University of Minnesota, Agricultural Engineering Dept., December 1975. 103p. 416 entries \$2.

Most of the current interest in methane is focused on manure as a prime resource. This is an excellent annotated bibliography on the subject, tracing the history of the process from its beginning, through many foreign experiences (Germany, India, France), laboratory results, and current projects. Smaller sections focus on digestion of farm-generated cellulosic materials (straw, cornstalks, etc.) and the fertilizing qualities of digester effluent.

- 702a Sharma, Jagdish Saran, comp. *Mahatma Gandhi: a Descriptive Bibliography*. 2d ed. Bks. 1 & 2. Delhi: S. Chand, 1968. 650p. 4267 annotated entries.

Mainly English material, but there are also a few entries in French and German. This second revised edition includes selective material in various Indian languages. The bibliographical information of such entries is given in the Romanized form and their titles transliterated into English. Includes author, editor, compiler, translator, title, subject, names of places, indexes. Also contains a chronology of the main events in Gandhi's life from October 2, 1869 to January 30, 1948.

- 703 Sharma, Prakash C. *Problems, Planning and Management of Solid Waste: a Selected Research Bibliography*. Council of Planning Librarians, Exchange Bibliography No. 732. January 1975. Monticello, Ill.: Mary Vance, editor. 14p. c.160 entries. \$1.50.

Contains over 160 selected references published chiefly during 1930-1973. Books and monographs; articles and periodicals.

- 704 Sharp, Archibald. *Bicycles and Tricycles: an Elementary Treatise on Their Design and Construction*. First ed. 1896. Cambridge, Mass: M.I.T. Press, 1977. 536p. \$12.50.

Part 1 gives the principles of mechanics with examples centered on the bicycle. Part 2 shows the development of cycles and examines bicycle stability, steering, and various forms of resistance to its motion. In Part 3, more than half of the book, Sharp works through the design of every detail of a bike, with emphasis on the frame and the stress analysis of it. Wheels and all other moving parts are considered: bearings, chains, gearing, cranks, and pedals.

- 705 Sheehy, Eugene P., comp. *Guide to Reference Books*. 9th ed. Chicago: American Library Association, 1976. 1015p. \$30.

Standard guide to more general works of reference that are fundamental for research in all major fields, originally edited by Constance M. Winchell. Works having greatest breadth of interest are followed by more specialized works in social sciences, humanities, and pure and applied sciences. Annotations are models of compactness and accuracy. Classified arrangement supplemented by author, subject, and partial title index. Kept up to date by lists edited by Eugene P. Sheehy in January and July issues of *College and Research Libraries*, which in turn cumulate into two-year supplements to basic volume.

- 706 Shelton, Jay, & Shapiro, Andrew B. *The Woodburners Encyclopedia: an Information Source of Theory, Practice and Equipment Relating to Wood as Energy*. Waitsfield, Vt.: Vermont Crossroads Press, 1977. 155p. \$6.95.

Includes a list of manufacturers and importers pp. 109-130; specification charts cover over 400 woodburning products. Designed to answer questions about the feasibility of wood heating, including discussions of safety, cost, installation, and operation.

- 707 Shurcliff, William A. *Informal Directory of the Organizations and People Involved in the Solar Heating of Buildings*. 3d & final ed. Townshend, Vt.: New England Solar Energy Assoc., June 1977. 243p. \$8.50.

An informal, selective, global directory for use by inventors, engineers, architects, builders, planners, administrators, and home-owners. Includes: government agencies, commercial concerns, universities, professional societies, foundations, solar engineers, architects, inventors, house owners, planners, and writers. Covers 26 countries with emphasis on the United States and much material on Canada, Great Britain, France, Australia.

- 708 Shurcliff, William A. *Solar Heated Buildings: a Brief Survey*. 13th & final ed., January 1977. 306p. \$12. Available from EARS.

Shurcliff has decided to let the Census Bureau try to keep track of solar heated buildings, so this is the final edition of his opus. It contains much new material including a large section of photographs by Peter Hollander. Each entry consists of a sketch of the structure and a brief description (many rewritten for this edition) of its operating principles. Where available, details of cost, performance, problems encountered, and present status are given. Includes 319 houses, schools, and commercial buildings. Up-to-date, detailed, and accurate survey.

- 709 *Side Effects of Drugs*. V. 1- , 1955/1956- . Amsterdam: Excerpta Medica, 1957- . Irregular.

Subtitle (varies): Adverse reactions as reported in the medical literature of the world.

- 710 Siehl, George H. "Environment Update: a Review of Environmental Literature and Development in 1978." *Library Journal*, May 1, 1979. p. 1003-07.

Latest in a series which started on Earth Day, April 15, 1970, and was updated in the issues of July 1971, November 1, 1972, May 1, 1973-1979.

- 711 Simmons, Daniel M. *Wind Power*. Energy Technology Review, Vol. 6. Park Ridge, N.J.: Noyes Data Corp., 1975. 300p. \$24.

This thorough and clear overview of wind power covers siting, machine design, conversion and storage systems, and international developments and provides a detailed directory of wind power supplies and equipment.

- 712 Singer, Charles; Holmyard, E. J.; & Williams, Trevor I., eds. *A History of Technology*. 5 vols. New York & London: Oxford University Press, 1954-1958. \$53 each.

"The view of the editors is by their own admission parochial, being generally limited to the Near East, Europe, and the United States. The period covered is from the beginnings to c.1900. The illustrations are outstanding, for both their quality and the ease with which their sources may be established. The interest in this monumental series and the implicit recognition of its value are shown in the large numbers of searching reviews that it has received. An investment of time in reading the reviews will make the books even more valuable. The Fall 1960 issue of *Technology and Culture*, (Vol. 1, No. 4) was devoted entirely to reviews of the set. I have noted also careful reviews of Vols. 2 and 3 in *Economic History Review*, 2d series, 11 (1959), pp. 506-514; 12 (1959), pp. 120-125. Imperial Chemical Industries Limited played an important and commendable supporting role in intellectual as well as financial matters. Just as a wise reader frequently turns first to a good encyclopaedia when he prepares to enter a subject he is unfamiliar with, so the student of the history of technology should permit individual chapters of this work to give him an overview and a point of departure." (Eugene S. Ferguson, *op. cit.*)

- 713 Sinha, Evelyn. *Lake and River Pollution: an Annotated Bibliography*. Ocean Engineering Information Series No. 4. La Jolla, Calif.: Ocean Engineering Information Service, 1971. 601 entries. \$15.

Contains 601 informative abstracts of 1968-1970 literature providing substantial scientific and technical information obtained from local and regional studies in laboratory and field investigations of lake and river pollution. A bibliography of bibliographies and a detailed subject outline are included. Represented are world wide sources found in 144 journals, some 25 national and international conferences, and more than 80 additional sources. Intended as a guide in interdisciplinary studies of lake and river pollution.

- 714 Sittig, Marshall. *Resource Recovery and Recycling Handbook of Industrial Wastes*. Park Ridge, N.J.: Noyes Data Corp., 1975. 425p. \$36. Technical details of different recovery processes, telling how to recover useful and valuable products from over 130 industrial wastes in categories ranging from metals to food to heat. Contains sources for various patented processes available as well as general discussion of various recovery process options, product options and uses. For the serious recycler and of particular value to communities for demonstrating the viability of alternatives to pollution by industrial waste products.
- 715 Slate, F. *Low-Cost Housing for Developing Countries: an Annotated Bibliography 1950-1972*. Ithaca, N.Y.: Cornell University, 1974.
- 716 Smith, Charles L. *A Bibliography on Land Reform in Rural America*. San Francisco, Calif.: Center for Rural Studies, 1974. 185p. 883 entries. \$1.25. Contents: 883 books, magazine and newspaper articles, and reports; subject index; author index; list of organizations involved in various aspects of land reform movements. This bibliography has to be regarded as a starter. Corrections and additions have been solicited for a second edition. The bibliography obviously has a Far West tilt, the research having been done in the San Francisco Bay area. The annotations on major works are by the Agribusiness Accountability Project, Washington, D.C.
- 717 Smith, Frank Seymour. *Know-How Books: an Annotated Bibliography of Do-It-Yourself Books for the Handsman and of Introductions to Science, Art, History and Literature for the Beginner and Home Student*. London: Thames and Hudson, 1956; New York: Bowker, 1957. 306p. A British counterpart of how-to-do-it books. Lists some 3000 works classified by the Dewey Decimal system. Subject index but no author index.
- 718 Smith, Miranda. "The Greening of the South Bronx." *Self-Reliance*, January-February, 1978. pp. 13-15. The desolation of the South Bronx has become a symbol of the decay of U.S. inner cities. Whole blocks have been abandoned, allowed to run down and set aflame as landlords have tried to squeeze profits out of older properties and tenants have given up the struggle. There are more than 350 acres of vacant land in the South Bronx. To make these lots usable by spreading topsoil on them would cost a price that the city is unwilling—and local community groups unable—to pay. Two long-time community workers became convinced that a large-scale composting project could greatly benefit the residents, and in the mid-1976 founded the Bronx Frontier Development Corporation. This article is a chronicle of the project's evolution.
- 719 Smith, Thomas, & Conn, David. *Product Durability—Economics and Related Aspects: an Annotated Bibliography*. Los Angeles, Calif.: University of California, School of Architecture & Urban Planning, June 1976. 26p. 32 entries. 32 items extensively annotated. Research on the reduction of waste by the increase of the life-span of durable products; history, theory, and empirical studies.
- 720 *Solar Age Catalog*. Eds. of *Solar Age Magazine*. 236p. 1977. \$8.50 pap. Available from EARS. An up-to-date catalog of solar energy knowledge and materials. A sourcebook of over 250 product descriptions with feature-by-feature comparisons; state-by-state listings of solar professionals; and basic articles by experts.
- 721 *Solar Energy and Research Directory, 1977*. Ann Arbor, Mich.: Ann Arbor Science, 1977. \$22.50.
- 722 *Solar Thermal Energy Utilization*. Albuquerque, N.M.: University of New Mexico, Energy Information Center, Technology Application Center. bibliog. 2100 entries. Subscription with update to bibliog. \$50/yr. bibliog. alone \$37.50. Bibliography of 2100 references with abstracts of 50 to 150 words each. Space heating and cooling, power generation, water distillation, solar furnace operation, crop drying, cooking.
- 723 *Somewhere Else: a Living Learning Catalog*. Fwd. by John Holt. Chicago: Swallow Press, 1973. \$3.25. Lists artisan and skill centers, places for outdoor learning, media centers, spiritual centers and "networks"—places where you can discover more about non-traditional places and ways of finding things out. Well cross-referenced, with an alphabetical and geographical index. Now several years old, but its range has never been duplicated. Some addresses have changed.
- 724 *Source Catalog No. 1: Communications*. Chicago: Swallow Press, 1970. 118p. \$1.75 pap. Covers such topics as listener-controlled radio, video groups, boycotts, guerrilla theatre, etc. Very much dated but an early 1970s state of the art. Valuable as a retrospective catalog.
- 725 *Source Catalog No. 2: Communities/Housing*. Chicago: Swallow Press, 1972. 255p. \$2.95. A community-oriented directory of activities and sources in the following sections: organizing for basic tenant rights; legal; city-wide organizing; public housing; open housing; elderly and handicapped; temporary housing; Third World; rural; changing national urban housing policy. An extraordinary quantity of material. Now somewhat dated but still an excellent resource.
- 726 *Source Catalog No. 3: Organizing for Health Care: a Tool for Change*. Boston, Mass.: Beacon Press, 1974. 249p. \$5.95. Assists the people challenging outmoded and oppressive institutions in the U.S.; locates groups, strategies, books, tapes, films.
- 727 Southern Rural Development Center. *Industrialization of Rural Areas: a Bibliography*. Rural Development Bibliography Series No. 1. Mississippi State, Miss.: Southern Rural Development Center, 1977. 149p. 755 entries, partially annotated. \$5. Mainly includes 1960-1976 publications. One of ten books in a bibliography series. The other areas are: solid waste disposal, citizen participation, evaluative literature, governmental transfer payments, small farms, land use issues, health care, educational needs projection, and housing. The entire series costs \$25. Each bibliography separately has a different price.
- 728 Spahn, Theodore J.; Spahn, J. P.; & Muller, R. H. *From Radical Left to Extreme Right: a Bibliography of Current Periodicals of Protest, Controversy, Advocacy, or Dissent, with Dispassionate Content-Summaries to Guide Librarians and Other Educators*. Vol. 2, 2d ed. Metuchen, N. J.: Scarecrow, 1972. \$13.50.
- 729 Spahn, Theodore J.; & Spahn, Janet P. *From Radical Left to Extreme Right: a Bibliography of Current Periodicals of Protest, Controversy, Advocacy, or Dissent, with Dispassionate Content-*

Summaries to Guide Librarians and Other Educators. Vol. 3. 2d rev. & enl. ed. Metuchen, N.J.: Scarecrow, 1976. \$22.50.

A total of 474 periodicals are covered in signed reviews and an additional 176 in unsigned entries. The titles and addresses of many hundreds of others are listed in the title index. The unsigned entries are shorter than the signed ones and are sometimes based on information supplied by the periodical, not on inspection of sample copies. Almost all of the periodicals are wholly or partly in English; most of them are published in the U.S.A.; at least 85 come from Canada (every province and territory except Prince Edward Island), and several from other parts of the Americas (Jamaica, Puerto Rico, Uruguay); more than 40 come from Europe; 8 from Asia. Includes geographical index, title index and index of editors, publishers, and opinions. Chapter 9, pp. 1217-1235, on "Conservation and Ecology," reviews and describes extensively about 20 journals and includes several others in the bibliographic introduction of the chapter. The labelling perpetuates the standard left-right spectrum of industrial society.

730 *Spectrum: an Alternative Technology Equipment Directory*, 1975. \$2 from ASE (Alternative Sources of Energy).

A catalog-style sourcebook on alternative technology products available from manufacturers; tools and processes for small-scale use of solar, wind, water and other forms of income energy.

731 Spence, Robin. *Alternative Cements in India*. A review of progress, and an account of the development of a small-scale lime-pozzolana plant. London: Intermediate Technology Development Group, May 1976. 43p.

732 Spiegel-Rosing, Ina, & Solfa Price, Derek de, eds. *Science, Technology, and Society: a Cross-Disciplinary Perspective*. Beverly Hills, Calif.: Sage, 1977. 620p. \$29.95.

Each of the 15 articles is followed by an extensive bibliography. Bibliographies cover 136 pages.

733 Spies, Henry & others. *350 Ways To Save Energy (and Money) in Your Home and Car*. New York: Crown, 1974. 198p. \$3.95 pap.

Reviews simple home energy conservation (storm windows, insulation, etc.) and, in the final third of the book, the car (tires, tune-ups, etc.). Not a "why" book, but very thorough on the "how."

734 Spitz, Allan A. *Developmental Change: an Annotated Bibliography*. Lexington, Ky.: University Press of Kentucky, 1969. 316p. 2493 annotated entries. \$15.50.

Deals primarily with political, social and economic factors of modernization and development, including 2493 annotated items which appear in scholarly journals, symposia and conference reports. These include some citations of works in French and Spanish, but they are primarily in English. A total of 234 journals, published in 25 countries, have been cited. An additional listing of relevant books is included as an appendix.

735 Spring, Joel. *A Primer of Libertarian Education*. New York: Free Life Editions, 1975. 157p. \$3.95. A guide to the key books.

736 Squires, Gregory D. *The Learning Exchange: an Alternative in Adult Education*. East Lansing, Mich.: Michigan State University, 1975. 50p. Describes the results of the first year of operation in detail.

737 *State and Local Environmental Libraries*. Joint publication of U.S. Environmental Protection Agency & National Oceanic & Atmospheric Administration.

A 24-page list that unfortunately fails to include much annotation. Nevertheless, it is an impressive list of unusual libraries and collections.

738 Steadman, Philip. *Energy, Environment and Building*. Cambridge & New York: Cambridge University Press, 1977. 287p. \$5.95 pap.

Contains a directory and description of existing and past solar heated buildings; information on who is doing what.

739 Stein, Barry A. Comment on "The Role of Small Business in Our Society." Statement before the Senate Select Committee on Small Business, December 2, 1975. 12p. mimeograph.

A very clear summary of the different economic and community costs and benefits of small and large business, real efficiency of small business and manufacturing, and recommended changes in legal structures and administrative practices by government agencies to encourage more independent, community-sustaining and effective business.

740 Stein, Barry A. "Decentralizing the American Economy." Announced as to appear in Williams, Harold S., ed. *The Use of Smallness*. Emmaus, Pa.: Rodale Press, 1977, but not published. 30p mimeograph.

741 Stein, Barry A. *Size, Efficiency and Community Enterprise*. Cambridge, Mass.: Center for Community Economic Development, 1974. 129p. bibliog. pp. 117-129, & 73 footnotes with bibliographical data. \$5.

"Chapter 1 investigates the data derived from economic analysis of the effects of scale and the behavior of firms in the marketplace. In particular it distinguishes the effect of scale on plants or single plant firms from the effect of scale on multiplant firms. Chapter 2 extends the discussion to the actual operation of enterprises and seeks to define the effects of scale on internal functional efficiency, particularly with regard to planning, innovation, and the use of human resources. Further, it explores absolute size as it offers a potential source of market power. Chapter 3 considers the relationship between firms, the market, and consumers and the effects of scale upon that relationship, along with the extent to which production costs determine final price. Finally, it builds on the conclusions to sketch out some possibilities concerning industries which could contribute to more truly productive communities. . ."

742 Stein, Barry, & Hodak, Mark. *Competitive Scale in Manufacturing: the Case of Consumer Goods*. Cambridge, Mass.: Center for Community Economic Development, 1976.

Determines the size of new plants that are entering specific markets, calculates the market sizes associated with these new plants, and estimates the least size that is thought appropriate for new plants to enter the market for a product.

743 Steinhart, Carol, & Steinhart, John. *Energy: Sources, Use, and Role in Human Affairs*. Scituate, Mass.: Duxbury Press, 1974. 362p. bibliog. \$5.95.

A readable, simple, general introduction with index and glossary.

744 Stevens, Leonard A. *Clean Water*. New York: Dutton, 1974. \$10.

A history and survey of numerous programs of applying sewage to farm and forest land. Covers projects designed for water recovery, agricultural production, and sewage dis-

posal. Explores effectiveness and safety of various processes, but does not deal with the problems of heavy metals in sewage of cities that have not yet instituted recovery systems to keep such valuable and dangerous materials out of sewage. An appendix gives location of land treatment systems worth visiting.

745 Stevenson, Hugh, & Hamilton, William, eds. *Canadian Education and the Future: A Selected Annotated Bibliography*. Ontario, Canada: Department of Information Services, University of Western Ontario, 1972.

746 Stoner, Carol Hopping, ed. *Goodbye to the Flush Toilet: Water-Saving Alternatives to Cesspools, Septic Tanks, and Sewers*. Emmaus, Pa.: Rodale Press, 1977. 285p. bibliog. pp. 271-278. 39 annotated entries. \$6.95.

Describes the alternatives to the "bathroom institution," concentrating on composting toilets and composting privies because in concept they are the most environmentally viable. Supplies listings for flush toilet alternatives and water-conserving devices.

747 Stoner, Carol Hopping, ed. *Producing Your Own Power*. Emmaus, Pa.: Rodale Press, 1974. 322p. bibliog. \$3.95.

Small scale applications of wind, water, methane, solar, and wood energy are reviewed by contributors who include Henry Clews, Ken Kern, and the Alchemy Institute. A source directory and numerous tables are provided.

748 Stutz, Frederick P. *Research on Intra-Urban Social Travel: Introduction and Bibliography*. Council of Planning Librarians, Exchange Bibliography No. 173. February 1971. Monticello, Ill.: Mary Vance, editor. 12p., about 85 entries, unannotated.

This bibliography deals with literature on patterns of urban social interaction and their relationship to urban spatial structure. The research included deals with literature relevant to trips made for the social purposes of visiting friends, neighbors or relatives. The largest subset of social trips is the interresidential trip which connects two personal dwelling units.

749 Subcommittee on Health and the Environment. *A Discursive Dictionary of Health Care*. Washington, D.C.: U.S. Government Printing Office, 1976. 182p.

Includes terms that come from the disparate fields which are necessary parties to the writing of a national health program: insurance, health services, medical care, government health and welfare programs, law, and administration.

750 Suin de Boutemard, Bernhard, ed. *Alternatives Vorlesungsverzeichnis Freier Nachbarschaftsuniversitäten 1978*. Lindenfels/Odenwald: Verlag Freie Nachbarschaftsgesellschaft, 1978.

First published in 1977 with an introduction by Ivan Illich. Has grown into a well-indexed booklet in which at present 150 distinct persons (residents of Germany, Austria, and Switzerland) list their invitation to courses and seminars they give. From research on the breeding of new fresh water edible fish to photosafaris and accounting.

751 Swan, L. *Beneficial Insects*. New York: Harper & Row, 1964. \$10.

Describes the natural history of the predators and parasites which naturally control potential pest species. Comprehensive text on biological control.

752 Szelkun, Stefan A. *Survival Scrapbooks*. Carmarthen, Wales: Unicorn Books; New York: Schocken Books. bibliog.

"This is a series of six, of which Szelkun did *Shelter*, 1973; *Food*; and *Energy*, 1974. The others are *Access to Tools*, *Play*, and *Paper Houses*. Szelkun's are very beautifully done, especially the first two. They are fine to start off with, but lack the detail to carry anything through. Their real strength lies in their bibliographies, classified and partly annotated." (Peter Harper.)

753 Szelkun, Stefan A. *Survival Scrapbook No. 1. Shelter*. New York: Schocken Books, 1973. 7 page bibliog. & general source addresses. \$3.95.

754 Szelkun, Stefan A. *Survival Scrapbook No. 2. Food*. New York: Schocken Books, 1973. 8 page bibliog. including one of sources addresses. \$3.45.

755 Szelkun, Stefan A. *Survival Scrapbook No. 3. Energy*. New York: Schocken Books, 1974. 8 page bibliog. & information sources addresses. \$3.95.

756 Szokolay, S. V. *Solar Energy and Building*. New York: Halsted Press, 1975. 148p. \$18.50.

Provides performance and cost data on 30 solar-heated buildings. Technical and terse.

757 Szykitka, Walter, comp. & ed. *Public Works: a Handbook for Self-Reliant Living*. New York & London: Links, 1974. 1024 p. \$10.

Two million words of "how to" articles culled from publicly available sources, under the following general categories: first aid and survival; child care; health; food; farm and home; tools and construction; transport and communication; government; and money.

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758 Taylor, Alister, & McCormack, Deborah, eds. *The Third New Zealand Whole Earth Catalog*. Martinborough, N.Z.: Alister Taylor Publ., 1977. 218p. \$9.95.

Size and style of the U.S. *Whole Earth Catalog*. A very specifically New Zealand focused "Who's Who" and bibliography. Emphasis is on self-sufficient living.

759 Taylor, David, ed. *99 Ways to a Simple Lifestyle*. Washington, D.C.: Center for Science in the Public Interest, 1976. bibliog. 800 entries.

The book contains 800 references and additional sources of information. In 99 essays, simple living is explored in terms of the conservation of natural and human resources. Major areas covered include home heating and cooling, energy conservation in the home, food, solid waste, clothing, recreation, transportation and community activities.

760 Taylor, Derek. *List of Windmill Plans*. London: Architectural Association School of Architecture, March 1975.

Annotated list of 25 plans with information where they are available.

761 Taylor, Derek. *Water Power Bibliography*. London: Architectural Association School of Architecture, June 1974. 12 entries.

12 annotated items, addresses of water turbine manufac-

turers and hydraulic ram manufacturers, four annotated items on traditional water mills.

762 Taylor, Derek, & Taylor, Colin. *Solar Energy Bibliography*. London: Architectural Association School of Architecture, June 1974. 64 entries.

Contains 64 annotated items on: solar energy in general, solar heating of buildings, and solar water heaters; gives a list of useful organizations.

763 Tchobanoglous, George; Smith, Robert; & Crites, Ronald. *Wastewater Management: a Guide to Information Sources*. Vol. 2 in the Man and the Environment Information Guide Series. Detroit, Mich.: Gale Research, 1975. c.200p. \$18.

"This guide is intended to be a selective rather than an exhaustive work. It is designed to consolidate the literature in the field of wastewater management into a pertinent and useful information source. For purposes of this guide, wastewater management has been defined to encompass the engineering of wastewater collection, treatment, disposal, and reuse systems; the economic analysis and planning of such systems; and the legislation affecting the implementation of these systems. The number of annotated references under a specific topic generally has been limited to four or less to keep this volume to a useful size. Additional references without annotations are considered to be less useful than those that are annotated, but may cover specific topics not found elsewhere."

764 Teachers Community Printing and Publishing, eds. *Directory of Alternative Communities in Great Britain and Eire*. 1977. £1.50.

Lists 38 communities detailing their size, social and economic organization, their aims, activities, and age.

765 Technology and Development Institute, Housing Technology Project Team, comp. *Annotated Bibliography on Housing and Settlements for Low Income People*. Selected Documents from Habitat-Forum, Vancouver, Canada, 1976. Honolulu, Hawaii: Technology & Development Institute, East-West Center, 1977.

766 Technology and Development Institute, Housing Technology Project Team, comp. *Provisional Annotated Bibliography on Low-Cost Housing and Related Topics*. Honolulu, Hawaii: Technology & Development Institute, East-West Center, 1975.

767 Technology Application Center. *1975 Wind Energy Utilization: a Bibliography 1944-1974*. Albuquerque, N.M.: University of New Mexico, Technology Application Center. 496p. \$10.

Abstracts covering both U.S. and other sources, an author index, a corporate source index, and a permuted index of titles and keywords. Subjects include: wind power plants, wind power generators, wind machines, and wind energy storage facilities.

768 Turner, Ian Donald, & Turner, John. *Industrializing Housing: the Problem and the Opportunity for Developing Countries*. Ideas & Methods Exchange Bulletin No. 66. Washington, D.C.: Dept. of Housing & Urban Development, 1971. bibliog.

769 Texas A&M University Library. *Energy Bibliography Index*. Vol. 1. Houston, Tex.: Gulf Publ., 1978. 1384p. \$295.

To be published annually in January in four volumes of 5000 items each, followed by a fifth volume cumulative index. Each volume includes author, subject, and keyword indexes. Quarterly updates are available for \$90 per year.

770 Thompson, D'Arcy W. *On Growth and Form*. Abridged ed. by John Tyler Bonner. First pub. in 1917. Cambridge: Cambridge University Press, 1971. 346p. \$6.95.

The abridged version of a 1917 classic on the way things grow, and the shapes that correspond to a given size: teeth and tools, tissues or towers. A book of continuous, intangible, not yet exhausted influence on morphology, and a literary delight.

771 't Hooft, Jaap. *Het Kringloophuis*. Brochure van De Kleine Aarde, Boxtel, Netherlands, 1975. 8p. French & English translations, short bibliog. (The Autonomous House, La Maison Autonome).

De Kleine Aarde is an experimental community aimed at testing techniques and life styles that can save energy and raw materials. One of their current projects is the autonomous house—so called because it makes no use of centralized power, water or fuel supplies, but draws its resources from the sun, the wind, the rain, and the organic wastes of the occupants. The autonomous house described here is a dwelling for one or two people. It has been built to show that it is possible to make a house that does not depend on the main supplies of energy and water. It is intended as a base from which further progress is possible.

772 Threlkeld, James L. *Thermal Environmental Engineering*. Englewood Cliffs, N.J.: Prentice-Hall, 1970. 495p. \$16.50.

A solid, standard, technical reference manual on psychometrics, moist air thermodynamics, solar radiation calculations for buildings, and heating and cooling via mechanical systems. Also includes information on how to figure thermal lag in heat flows through walls and roofs.

773 Tough, Allen. *Major Learning Efforts: Recent Research and Future Directions*. Toronto: Ontario Institute for Studies in Education, 1977. 25p. bibliog. pp. 20-25, 28 entries.

Adults spend a remarkable amount of time each year at their major efforts to learn. In fact, a typical learning effort requires 100 hours. And the typical adult conducts five of them a year: 500 hours altogether. Some of these learning projects rely on instructors and classes, but over 70 percent are self-planned and others rely on friends and peer groups. This picture of the adult's major learning efforts has emerged in just the past few years. Many basic surveys and several in-depth studies have contributed to this new understanding. This paper presents a review of that research, and some directions for the future.

774 Tourbier, Joachim, & Pierson, Robert, W., Jr., eds. *Biological Control of Water Pollution*. Philadelphia, Pa.: University of Pennsylvania Press, 1976. \$20.

The use of natural systems for sewage treatment requires unique design for different situations. This collection of concise papers provides a useful survey of international projects employing diverse biological treatments—reeds, tidal marshes, aquaculture, algae, and forests—to effectively treat sewage.

775 Toutlemonde, Fanny; Dunglas, Marie; & Pasquier, Francoise. *Face-a-Femmes*. Alternatives, No. 1, June, 1977. Paris, Edition Librairies Alternative et Paralleles, 1977. 143p.

Women, feminism, conditions and protection of the woman, books, journals, addresses of groups, etc.

776 Tratner, Alan Arthur, ed. & publ. *Geothermal World Directory—1977/78*. 5th ed. Reseda, Calif.: Geothermal World Directory, 1977. 380p. \$40.

Lists state contacts, public utility companies, businesses, individuals, and universities in the U.S. and individuals elsewhere who are engaged in geothermal energy. The current fifth edition also contains articles and news items.

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- 777 Treanton, Jean-René, & Reynaud, Jean-Daniel. "La sociologie industrielle, 1951-1962: Industrial Sociology, 1951-1962." *Current Sociology/La Sociologie Contemporaine*, Vol. 12, No. 2, 1963-1964. pp. 123-245. English summary pp. 137-140. bibliog. 1951-1960, pp. 142-233; 1961-1962, pp. 225-233. 1351 annotated entries.

The bibliography is divided into: general works, general bibliographies; treatises, handbooks, general studies; the study of organization, the organization of the enterprise; incentives and productivity; work group and foremanship; human relations, communications and leadership; employee behavior and motivation; workers training and education; careers and occupational mobility; work and aging; salespersons and technicians; executives and management; sociology of labor; workers' participation in the capitalist firm; work and workers in the socialist countries; special problems; ethnic and racial minorities; unemployment; technical influences, work and technical change; automation; work, community and society. Does not deal with the sociology of work in underdeveloped countries or in socialist countries.

- 778 Tropical Products Institute. *Publications List*, 1975.

- 779 Troutman, Mike. *Utility Action Guide: Resource Materials on the Electric Power Industry*. Washington, D.C.: Environmental Action Foundation, undated. Latest item dated October 1976. 12p.

Lists scores of studies, articles, legal briefs, testimonies, and books for people working to reform the electric power monopolies. Most of these materials are recent and represent some of the best resources available on the crucial utility issues of current debate. Environmental Action Foundation's Utility Project exists to support those individuals and groups working to make their power company more responsive to consumer needs and environmental values.

- 780 Trzyna, Thaddeus C. *International Environmental Affairs: a Guide to the Literature*. Claremont, Calif.: Center for California Public Affairs, 1978. c.175p. \$20.

Annotated bibliography of English-language materials, compiled by the chairman of the Sierra Club's International Committee. Emphasis on policy issues and activities of international organizations. Indexed. (*Public Policy Book Forecast*.)

- 781 Trzyna, Thaddeus C., ed. *World Food Crisis: an International Directory of Organizations and Information Sources*. Claremont, Calif.: Center for California Public Affairs, 1977. 166p. \$20.

Describes over 800 organizations and 275 major programs, public and private, in nearly every country. Categorized by 27 interest areas such as agribusiness, organic gardening, Africa, etc. (*Public Policy Book Forecast*.)

- 782 Turner, John F. C. *Housing by People: Towards Autonomy in Building Environments*. Pref. by Colin Ward. London: Marion Boyars, 1976. New York: Pantheon, 1977. 169p. £2.25; \$3.95.

Appearing four years after the publication of *Freedom to Build*. (John Turner & Robert Fichter, eds. New York: Macmillan, 1972), this volume takes the same approach in greater detail and length. Expresses the belief that networks of people can take hold of their own surroundings and order them intelligently without experts to decide what they need. Using examples from underdeveloped as well as developed countries, Turner describes the kind of housing that has been imposed upon people by their governments and sets it against what individual communities can achieve when allowed to determine the housing they will have. He argues convincingly that housing policies need not be dictated by central government but should be put under local control.

- 783 Ucko, Peter & Dimbleby, G. W., eds. *The Domestication and Exploitation of Plants and Animals*. Proceedings of a meeting of the Research Seminar in Archaeology and Related Subjects held at the Institute of Archaeology, London University, 18th & 19th May 1968. Chicago: Aldine, 1969. 581p. \$6.95.

"The understanding of the domestication of plants and animals is basic to any insight into modern man's relationship to his habitat. Modern techniques and the result of their application to the classical problems of domestication, selection, and spread of cereals and of cattle are discussed."

- 784 Ulrich's *International Periodicals Directory: a Classified Guide to Current Periodicals, Foreign and Domestic*. New York: Bowker, 1932-Biennial. 17th ed. 1977-1978. \$57.50.

"A very useful classified list of periodicals from many countries (about 57,000 titles in the 16th edition, published 1975). Coverage has varied in the different editions. Titles are grouped in subject classifications arranged alphabetically. Entries usually include where pertinent: title, subtitle, sponsoring group, date of origin, frequency, price, editors, publishers, place of publication, and annual and cumulative indexes. International Standard Serial Number (ISSN) and Dewey Decimal Classification number are now also included with the entry as is information on bibliographies, book reviews, film reviews, music and record reviews, illustrations, maps, charts, advertisements, statistics, circulation, etc. An especially useful feature is the indication of the indexing and abstracting services in which titles are included. Includes a list of periodicals which have ceased since the previous edition of the directory. Both the 11th and 12th editions had separate volumes (published in alternate years) for science and technology and for the humanities and social sciences. In the 13th edition the directory reverted to the earlier plan of a single alphabetical arrangement for all subject classes. Earlier issues continue to be useful, both for the listing of periodicals which have ceased publication and for special lists included, e.g.: *A List of Clandestine Periodicals of World War II*, by Adrienne Florence Muzzy, in the 5th edition, 1947. A companion publication, *Irregular Serials and Annuals*, is now issued in alternate years, and supplementary service updating both works is promised for publication at irregular intervals." (Eugene Sheehy, *op. cit.*)

- 785 Underwood, Elizabeth, comp. *Alternative Sources of Energy*. 2d ed. A.A. Library Bibliography, New Series No. 42. London: Architectural Association Library, 1977. 15p. c.172 entries, unannotated.

- 786 *Union List of Little Magazines*. Compiled by Indiana University Library. Chicago: Center for Research Libraries, 1956. 98p.

Indicates holdings of 1037 little magazines in the libraries of Indiana University, Northwestern University, Ohio State University, State University of Iowa, University of Chicago, University of Illinois.

- 787 *Union List of Serials in Libraries of the United States and Canada*. 5 vols. 3d ed. Ed. by Edna Brown Titus. New York: Wilson, 1965. 4649p.

Supplies information as to where sets of the periodicals included in the list may be found. Each entry gives catalog description of title, a statement of what constitutes a complete set, and indicates changes of title and exact holdings in reporting libraries, with cross references from all changed titles and alternate entries. This edition, covering to Decem-

ber 1949, is the last in this form. Continued for periodicals begun after 1950 by *New Serial Titles*, a union list of serials commencing publication after December 1949 by the Library of Congress, January 1953-

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788 University of Sussex Institute of Development Studies. *Bibliography on Health Planning in Developing Countries*. 1965. Occasional Guide No. 10. Annotated.

789 *Uplift: What People Themselves Can Do*. Washington, D.C.: National Self-Help Resource Center. 465p. \$5.

Describes 100 case studies of self-help projects in poor communities throughout the United States. Includes such projects as: The Southeast Alabama Self-Help Association (economic development); La Raza (education); The Watts Job Clearinghouse (employment opportunity); Interfaith Adopt-a-Building (housing); The Help One Another Club (social services); Walden House (health services); Operation SHARE (offender rehabilitation); and the Arkansas Community Organizations for Reform Now (community organization).

790 U.S. Department of Agriculture. *Handbook of the Nutritional Contents of Foods*. Orig. title: *Composition of Foods*. New York: Dover, 1975. \$4 pap.

A basic sourcebook on the nutritive quality of foods. Filled with tables covering the contents of more than 2500 raw, processed and prepared foods. Covers about everything but complementary proteins, for which see *Diet for a Small Planet* by Frances Moore Lappé.

791 U.S. Department of Commerce. *Regional and Urban Solid Waste Disposal: a Bibliography with Abstracts*. Part I: Management, Planning, 81p.; Part II: Local Case Studies, 110p.; Part III: Handling and Disposal Technology, 84p. Washington, D.C., 1975. Dist. through NTIS, Nos. PS-75/184, 185 & 186.

Abstracts of materials published from 1964 through 1974. Also includes state and local governmental policies, legislation, financing, and viewpoints on health, recycling, and pollution.

792 U.S. Department of Energy. *DOE Role in Support of Small-Scale Appropriately Distributed Technology*. Official Transcript of Public Briefing & Addendum, Jan. 26, 1978. CONF-780132. Washington, D.C., Aug. 1978. 151p. \$8. Available from NTIS.

793 U.S. Department of Health, Education and Welfare. *A Bibliography of Chinese Sources on Medicine and Public Health in the People's Republic of China: 1960-1970*. Publication No. 73-439 (NIH). \$5.50 from U.S. Government Printing Office, Washington, D.C. 485p. 14,550 entries.

Companion to the *Barefoot Doctor's Manual*. Contains English translated or abstracted material from China about medicine between 1960 and 1970.

794 U.S. International Environmental Referral Center. *U.S. Directory of Environmental Sources*. 2d ed. PB-274 110/6WP. Washington, D.C.: U.S. International Environmental Referral Center. Available from NTIS.

A listing of 1144 U.S. environmental organizations registered with the International Referral System, the purpose of which is to encourage the global flow of environmental information and data from those who have it to those who need it. To use the system, one may phone, write, or visit.

795 Vale, Brenda, & Vale, Robert. *The Autonomous House: Design and Planning for Self Sufficiency*. New York: Universe Books, 1975. 224p. \$10.

An "autonomous house" is a shelter that operates on the energy income of its immediate environment. Here two British architects unveil their award-winning design of such a house and present a concise review of heat pumps, fuel cells, recycled wastes, etc. More than 100 diagrams and tables are included.

796 Van Der Leeden, Frits, comp. *Ground Water: a Selected Bibliography*. 2d ed. Port Washington, N.Y.: Water Information Center, 1974. 148p. 1750 entries.

Contains approximately 1750 references listed under 32 topics, each dealing with a particular aspect of the field of ground-water hydrology. Practical and concise bibliography compiled and edited by a hydrogeologist actively working in the field of groundwater resources.

797 Van Der Ryn, Sim. *The Toilet Papers*. Designs to Recycle Human Waste and Water: Dry Toilets, Greywater Systems and Urban Sewage. Fwd. by Wendell Berry. Santa Barbara, Calif.: Capra Press, 1978. 124p. Annotated bibliog. pp. 121-124. \$3.95.

Offers homeowner plans for several types of dry toilets, compost privies and greywater systems. Van der Ryn also discusses the history and philosophy of turning organic wastes into a rich humus. Wendell Berry says in his foreword: "the importance of this little book is that it begins in the awareness of effects. It proposes to solve the sewage problem by doing away with its cause. This solution springs from an elementary insight: it is possible to quit putting the so-called bodily wastes where they don't belong (in the water) and to start putting them where they do belong (on the land). When waste is used, a liability becomes an asset, and the very concept of waste disappears."

798 Van Hoorn, Marsel, ed. *Hou 't Klein, serie artikelen over kleinschaligheid*. Tilburg, Studium Generale, Katholieke Hogeschool, October 1976. 118p.

Dutch anthology inspired by Schumacher's *Small Is Beautiful*, with contributions by J. Reich, J. Ellul, H. Damveld, Schumacher, G. van Herel, P. van Berkel, and others.

799 Van Steyn, René. *Wind Energy: a Bibliography with Abstracts and Keywords*. Eindhoven, Netherlands: University of Technology, Library Administration, July 1973. \$12 airmail.

"This two-volume work is excellent in its comprehensiveness, especially on non-U.S. wind experiments in the medium- and large-scale wind-turbine range, and in the ease with which even international, foreign language reports can be accessed. The keywords, arrived at after a survey of those most useful and most often used, reflect the fact that this bibliography was produced by a working wind enthusiast." (Rainbook.)

800 Varet, Gilbert. *Manuel de bibliographie philosophique*. Vol. II, Les sciences philosophiques. Paris: P.U.F., 1956.

A bibliographical manual of philosophical sciences. History of technical inventions pp. 829-830; philosophy of techniques and of labor pp. 831-832.

- 801 Vicaire, Georges. *Bibliographie gastronomique*. Intro. by André L. Simon. 2d ed. London: Derek Verschoyle Academic & Bibliographical Publ., 1954. 2500 entries.

Subtitle: A bibliography of books pertaining to food and drink and related subjects, from the beginning of printing to 1890. Originally published Paris: Rouquette, 1890. An annotated bibliography of some 2500 works pertaining to gastronomy. Titles are largely in French, but some are in other western European languages. Annotations provide detailed bibliographic information and notes on content. Arranged alphabetically by author or by title when the work is anonymous. Title index.

- 802 *Vocations for Social Change. Getting Together a People's Yellow Pages: an Overground Underground Toward Social Change*. Cambridge, Mass.: Vocations for Social Change, September 1972. \$1.45.

Vocations for Social Change in Cambridge is a social change resource center for the Boston area where people come to find out about groups working in education, peace action, health, ecology, and other areas. This booklet is about how Vocations for Social Change put together the *Boston People's Yellow Pages*, the reasons they feel it is an important project, and how the information is gathered, printed, and distributed. Appendixes list other groups which have put out similar directories.

- 803 Volunteers in Technical Assistance (VITA), eds. *A Selective Listing: Appropriate Technology and Energy Literature; Books, Newsletters, Journals, Reports*. Mt. Rainier, Md.: VITA Publications, 1977. 387 entries.

- 804 Volunteers in Technical Assistance (VITA). *Village Technology Handbook*. Mt. Rainier, Md.: VITA, 1975. 387p.

The book's aim is to gather in one publication information from many sources which has been found helpful in villages. This handbook describes techniques and devices which can be made and used in villages. Some of the practices suggested can be adopted by an individual. Others will require cooperation by many people and perhaps by government agencies.

W

- 805 Wade, Alex. & Ewenstein, Neal. *Thirty Energy-Efficient Houses . . . You Can Build*. Emmaus, Pa.: Rodale Press, 1977. 192p. \$8.95.

With specific, detailed plans, the author shows how to build a house that is energy efficient, solar heated, and uses every inch of space well. He explains the importance of proper placement of windows, doors, and skylights; efficient kitchen and bathroom layouts; insulation, heating, and ventilation; and natural lighting, using recycled and easy-maintenance materials. A few houses were clearly made for the relatively affluent, others were put together on a shoestring budget, and several were partly constructed underground.

- 806 Walford, Albert John, ed. *Guide to Reference Material*. 3 vols. 3d rev. ed. London: Library Association, 1975-. Chicago: American Library Association. Vol. 1, \$20; Vol. 2, \$30; Vol. 3, price not set.

Contents: Volume 1. Science and technology (see next item). Volume 2. Philosophy and psychology, religion, social sciences, geography, biography, and history. Volume 3. Generalities, languages, the arts and literature. "The object of the *Guide* . . . is to provide a signpost to reference books and bibliographies published mainly in recent years, inter-

national in scope, but with emphasis on items published in Britain. It is intended for librarians, in the building up and revision of reference library stock; for use in general and special library enquiry work." (introduction.) A well-edited list, classified and annotated, with references to related works and to reviews frequently included in the annotations.

- 807 Walford, Albert John, ed. *Guide to Reference Material*. Vol. 1: *Science and Technology*. 3d ed. London: The Library Association, 1973. Chicago: ALA, 1973. 615p. \$20.

"First volume of a new edition of this comprehensive guide; Volumes 2-3 are to be published at two-year intervals. Volume 1 covers UDC classes 5/6 and includes some 4300 entries, plus references to about 700 more within the annotations. Compilation ended in April 1972 with a few later additions. Annotations are good and frequently include references to reviews. A representative selection of reviews of annual progress in specific fields is included in this volume. Prices are given for inprint materials. Numerous see and see also references, fully indexed." (Eugene Sheehy, *op. cit.*)

- 808 Walford, A. J., ed. *A Guide to Foreign Language Grammars and Dictionaries*. 2d ed., rev. & enl. London: The Library Association, 1967. 240p.

A selective list with critical and evaluative notes. Includes Chinese, Dutch, Finnish, French, Italian, Spanish, Portuguese, German, Scandinavian languages, and Russian.

- 809 Ward, Colin. *Anarchy in Action*. London: Allen & Unwin, 1973; New York, Harper & Row, 1974. \$9.50.

"The author was formerly editor of *Freedom and Anarchy*. He sees the seeds of liberation everywhere, and is that endearing kind of anarchist whose subversive proposals do not strike one as political at all, but just obvious common sense." (Peter Harper.)

- 810 Warner, Alice Sizer & Eddison, Elizabeth Bole. *Volunteers in Libraries*. Library Journal Special Report No. 2. New York: Bowker, *Library Journal*, 1977. 64p. \$3.95.

This manual discusses why volunteers should be used in libraries and how volunteers can be used in libraries. Also offers some thoughts on libraries currently using volunteers with success and creativity. Presents practical approaches to tasks related to running a volunteer program in public libraries in the U.S. A brief bibliography is part of the manual.

- 811 Warren, Betty & Cushman, Debbie. *The Energy and Environment Bibliography*. San Francisco, Calif.: Friends of the Earth, 1977. 45p. c.500 annotated entries. \$3.50.

Most of the entries are concerned with energy and its impact upon society and the environment but other works are also included. Publishers' addresses are given for each item listed.

- 812 Marshall, Peter. *Septic Tank Practices: a Primer in the Conservation and Re-use of Household Wastewaters*. rev. ed. pub. by the author, 1976. 76p. bibliog. p. 75: 17 annotated entries.

Argues that home sewage treatment pollutes less, costs less, uses less energy resources, and is less of a health hazard than centralized sewage treatment. Tries to make home site sewage treatment as ecologically and technically sound as possible. Every aspect of septic tank and drainfield design from materials to maintenance, chapters 5 through 10, is explained, using information from the last 20 years of research. A short bibliographic guide to more technical or detailed studies is given. Also available: short pamphlets on *Drum Compost Privies* and *Above-Ground Use of Grey Water*.

- 813 Watson, Donald. *Designing and Building a Solar House. Your Place in the Sun*. 1977. 282p. \$8.95. Available from EARS.

This practical book has over 400 photographs and drawings showing how to use solar design ideas and equipment to save construction and fuel costs on new or existing houses. Clear explanations include: "passive" systems that use no extra energy to heat or cool a house; "active" heating systems for home installation; a detailed look at available equipment and new systems being developed; outstanding solar house designs; designing for different U.S. climates, with a special section on northern climates; photo sequences of owner-built solar house construction; site planning, building design, and solar equipment checklists; and source lists of solar houses, publications, designers, and solar products.

- 814 Watt, Simon. *21 Chain and Washer Pumps*. London: Intermediate Technology Publications, 1976. 49p. £0.25; \$2.90 surface mail.

Gives pictures and drawings of 21 simple chain and washer pumps for pumping water. It is based on a translation of material from the 1958 Peking Agricultural Exhibition. Contains performance information and descriptive drawings from which they can be built, basic principles and potentials of the device, adaptation to various power sources, and construction from various local materials.

- 815 Webber, Everett. *Escape to Utopia: the Communal Movement in America*. American Procession Series. New York: Hastings House, 1959. 444p. bibliog. pp. 421-435.

Together with Bestor, this book provides a secure guide for research.

- 816 Weiss, Miriam Strauss. *A Living Corpse*. Cranbury, N.J.: A. S. Barnes, 1969. A chronological listing of about 550 utopian writings.

- 817 Wellar, Barry S., & Graff, Thomas O. *Introduction and Selected Bibliography on the Quality of Housing and Its Environment*. Council of Planning Librarians, Exchange Bibliography No. 270. March 1972. Monticello, Ill.: Mary Vance, editor. 35p. about 182 entries. \$1.

"Selected body of references which deal with both the methodological and applied aspects of housing-environment quality, and which represent the hypotheses, perceptions, and procedures of public agencies, professional groups, and others. The references range over a variety of disciplines, including public health, statistics, economics, geography, and sociology. The bibliography consists primarily of works that are available."

- 818 Wellman, Barry & Whitaker, Marilyn. *Community—Network—Communication: an Annotated Bibliography*. Council of Planning Librarians, Exchange Bibliography No. 282-283, May 1972. Monticello, Ill.: Mary Vance, editor. 137p., c.82 entries. \$2.

"Provides an assessment of the current state of theoretical and empirical knowledge with regard to 'community-network-communication.' Concerned only with the impact of communications on networks of primary relationships and their organization into communities, and not with the technical aspects of communication nor even with its societal-level implications. Omits large areas of subject matter such as community power, norms, and attitudes and neglects much literature on the purely mathematical properties of networks and on non-community sociometry. Concentrates almost entirely on North American research. Annotations are often quite extended, presenting specific findings as well as general indications, they are primarily descriptive and not evaluative."

- 819 Werner, David. *Donde no hay doctor: Una guía para los campesinos que viven lejos de los centros médicos*. México: Editorial Pax, April 1977. 294p. \$60. pesos mexicanos.

A splendid rural health handbook which should be in use in Spanish-speaking communities all over. It is designed for villagers with three to six years of primary schooling and has excellent graphic drawings covering curative and preventive medicine, folk customs, hygiene, diet, midwifery, and family planning. It has grown out of a project sponsored by the Hesperian Foundation to foster truly community-based health care facilities in Mexico and Central America. They are attempting to adapt it for use in Africa and Asia. The English translation, *Where There Is No Doctor*, is available from the Hesperian Foundation, Palo Alto, California for \$5.50.

- 820 Wert, Jonathan; Beard, Sherry; & Jones, John, eds. *The Energy Education Bibliography; An annotated bibliography of Key Resources for Energy & Conservation Education*. Portland, Oreg.: Energy & Man's Environment, undated. 16p. c.127 entries. \$4.

Designed to help teachers identify energy and conservation education resources and instructional material. Each entry is annotated, but the bibliographic information, especially date of publication, is often missing. Latest date cited is 1976. They also publish the *Energy Films Index*, a list of 183 films, and a *Glossary* of energy and environmental terms.

- 821 West, Celeste; Katz, Elizabeth; & others, eds. *Revolting Librarians*. San Francisco, Calif.: Booklegger Press, November 1972. \$2.

Offers the experience of librarians across the U.S. who are trying to de-mystify their libraries.

- 821a West, Celeste, & Wheat, Valerie. *Booklegger's Guide to: the Passionate Perils of Publishing*. A Booklegger Bookazine. Summer 1978. San Francisco, Calif.: Booklegger Press. 76p. \$5.

Indispensable guide for new independent publishers, self-publishers, and authors. Includes (pp. 22-33) a well-annotated bibliography on "publish-it-yourself-tools"; a checklist of media and annual directories to get in: "Discovering the Wild and Free Press: Where the Independents Do It and Deal It"; a well-annotated list of alternative guides, directories, indexes, review and news media, and selected distributors; feminists in print; and the "library free press." Very competent guide.

- 821b *Westberliner Stättbuch: Ein alternativer Wegweiser*. Berlin: Rotation Verlag, 1978. 560p.

"People's Yellow Pages" of West Berlin.

- 822 Wheeler, James O. *Research on the Journey to Work: Introduction and Bibliography*. Council of Planning Librarians, Exchange Bibliography No. 65, January 1969. Monticello, Ill.: Mary Vance, editor. 1969. 21p. c.220 entries unannotated. \$1.

Five-page introduction. The largest number of studies concern the impact of the journey to work on aspects of society and the economy. One research cluster focuses on land use changes resulting from and at the same time molding journey to work patterns. Other studies address the question of impact on the worker's productivity or the worker's political and social integration into the residential neighborhood. The impact of work-trips on housing costs and land values is also considered, as are the general issues of traffic congestion and transportation problems in cities. Latest date of item cited: 1967.

- 823 White, Anne U., & Seviour, Chris. *Rural Water Supply and Sanitation in Less-Developed Countries: a Selected Annotated Bibliography*. IDRC-028°. Ottawa. International Development Re-

- search Centre. 1974. 81p. 242 entries amply annotated.
- Select annotated bibliography prepared as part of an investigation into the problems of water supply and sanitation in developing countries. The investigation aims at finding ways in which the rate of progress in improving water supply and sanitation conditions can be accelerated, partly but not exclusively, through the application of research in science and technology. Items 238-242 are other bibliographies in the same area.
- 824 White, Anthony G. *Urban Antigrowth: a Growing Movement: a Selected Bibliography*. Council of Planning Librarians, Exchange Bibliography No. 1468, February 1978. Monticello, Ill.: Mary Vance, editor. 5p. c.60 entries. \$1.50.
- 825 White, Anthony G. *Urban Homesteading: a Bibliography*. Council of Planning Librarians, Exchange Bibliography No. 719, January 1975. Monticello, Ill.: Mary Vance, editor. 6p. 37 entries 3-page introduction. \$1.50.
- 826 White, Lynn, Jr. "The Historical Roots of our Ecologic Crisis." In *Science*, vol. 155, March 10, 1967. pp. 1203-1207.
- 827 White, Lynn, Jr. "The Iconography of Temperantia and the Virtuousness of Technology." In *Action and Conviction in Early Modern Europe*. Essays in Memory of E. H. Harbison ed. by T. K. Rabb & J. E. Seigel. Princeton, N.J.: Princeton University Press, 1969. pp. 197-219.
- Traces, first, the increased emphasis on temperance as the highest virtue in 13th- and 14-Century thought and, second, the emergence of the mechanical clock as the image of the disciplined life. Reveals some of the historical foundations of Puritan asceticism.
- 828 White, Lynn, Jr. *Medieval Technology and Social Change*. New York/London, Oxford University Press, 1962. 194p.
- Examines the role of technological innovation in the rise of social groups during the Middle Ages. The feudal nobles achieved their status, institutions, and even distinctive emotions through a sudden mutation in methods of warfare during the early 8th Century. Between the 6th and 10th Centuries a cluster of inventions profoundly altered peasant life in Northern Europe, and by increasing food supplies provided the basis for urbanization. In the new cities, craftsmen and engineers applied natural power and labor-saving devices to industrial production from the year 1000 onward and laid the foundations of capitalism. "A major work which presents fresh and deeply significant interpretations. In an enthusiastic and informative review (*Isis*, 54, Sept. 1963, 418-420), Joseph Needham properly calls this 'the most stimulating book of the century on the history of technology.' See also the review by R. W. Southern in *History of Science*, 2 (1963), 130-135." (Eugene S. Ferguson, *op. cit.*).
- 829 White, Lynn, Jr. "Technology and Invention in the Middle Ages." *Speculum, a Journal of Medieval Studies*. Vol. 15, No. 2, April 1940. pp. 141-159.
- A classic paper described by Joseph Needham in *Isis*, 54 (Sept. 1963), p. 418, as "a *libellus aureus*, treasured and minutely annotated by many scholars, constantly photo-stated and passed from hand to hand." Extensive bibliographic notes point to origins of, for example, the sternpost rudder, spectacles, feltmaking, the ski, soap, distillation, paper, bells, the wheelbarrow, spinning wheel, cannon, and so forth. A large number of sources are critically examined.
- 830 White, Lynn, Jr. "Tibet, India, and Malaya as Sources of Western Medieval Technology." *American Historical Review*, No. 45, 1960. pp. 515-526. Extensive bibliographical notes.
- 831 Whitrow, Magda, ed. *Isis Cumulative Bibliography: a Bibliography of the History of Science, formed from Isis Critical Bibliographies 1-90, 1913-65*. London: Mansell in Conjunction with the History of Science Society, in progress, 1971- . Vol. 1- .
- "Contents: Volume 1, Personalities, A-J; Volume 2, Personalities, K-Z and Institutions, A-Z. The first parts of a larger project which will provide various subject approaches to the listings appearing in the 'critical bibliographies' published in the periodical *Isis*. A few significant omissions were corrected, but no concentrated effort was made to fill gaps in the existing bibliographies. "Part I: *Personalities* contains, in alphabetical sequence, entries (references to books, monographs, pamphlets, and articles) dealing with the life and work of an individual . . . and also new editions of his work. . . . Part II: *Institutions* contains entries dealing with the history and work of institutions and societies." (introduction.) Explanatory or descriptive notes accompany some citations, and reviews of books are frequently noted. In the further parts planned, entries will be arranged first by periods and civilizations, subdivided by subject, and finally according to topical subjects. The work will also serve as an analytical index to *Isis* itself, since during most of its history articles in that magazine have been treated in the critical bibliographies.
- 832 Whitt, Frank R., & Wilson, David G. *Bicycling Science. Ergonomics and Mechanics*. Cambridge, Mass.: M.I.T. Press, 1974. 247p. \$4.95. pap.
- Gives cyclists a clearer understanding where all the hard work put into pedals is going to and helps to minimize it. It is a balance and reconciliation of empirical studies and the theoretical approach. Includes: power needed for land locomotion, human power generation, wind resistance, the wheel and its rolling friction, mechanical friction, brakes, etc. Very much derived from Sharp's book written 80 years ago.
- 833 *The Last Whole Earth Catalog: Access to Tools*. New York: Portola Institute/Random House, 1971. 447p. \$5.
- 833a *The Updated Last Whole Earth Catalog: Access to Tools*. New York: Point/Random House, 1974. \$5. All listings accurate as of May 1974.
- Contains some 2100 listings and incorporates over 3000 changes in the original listings. The updating process goes on. An item is listed in the *Catalog* if it is deemed: useful as a tool; relevant to independent action; high quality or low cost; easily available.
- 834 *Whole Earth Epilog: Access to Tools*. Baltimore, Md.: Point/Penguin, 1974. 320p. \$4.
- Continuation of *The Last Whole Earth Catalog* in effect Volume II. It commences where the *Catalog* leaves off, with page 449, and comprises all new material, deeper research, and a more professional index covering both *Catalog* and *Epilog*. Continued in *CoEvolution Quarterly*.
- 835 Wickers, David. *The Complete Urban Farmer: Growing Your Own Fruits and Vegetables in Town*. London: Julian Friedmann publishers, 1977. 192p. £3.50.
- Brings an inventive approach to the problem of best utilizing your growing potential: mushrooms flourish under the stairs, beans climb up your balcony, aubergines (eggplants) are exotic houseplants. Ordinary objects like wastepaper baskets, old sinks, and tea chests, can be used as containers for vegetables. The book gives detailed instructions for all stages of the growing process: how to propagate seeds; how to trans-

plant; what soil, nutrients and light are needed for various plants and at various stages of growth; how close together to plant and how often to water; how to harvest and cook produce. A planting-year chart is given and diagrams for rotation and combination of crops are included.

836 Wilson, William K.; Dowd, Morgan D.; & Sholtis, Phyllis, eds. *World Directory of Environmental Research Centers*. 2d ed. Scottsdale, Ariz.: Oryx Press, 1974. 330p. \$21.50. dist. by Bowker.

837 Winchell, Constance M., *Guide to Reference Books*. 8th ed. Chicago: American Library Association, 1967. 741p.

A standard work, now edited by Eugene P. Sheehy. It has been devoted to helping readers find bibliographies and basic works on many subjects. Although it is regularly updated (see Sheehy in this list), older volumes retain at least scholarly interest.

838 Windworks. *Wind Energy Bibliography*. Mukwonago, Wis.: Windworks, 1974. 72p. c.400 entries. \$3.

Covers all aspects but with an emphasis on small scale systems; lists component catalogs and suppliers for the do-it-yourself.

839 Winneberger, John H. Timothy. *Manual of Grey Water Treatment Practice*. Ann Arbor, Mich.: Ann Arbor Science Publ., 1974. \$10.

Design data on on-site treatment of household wastewater remaining when sewerless toilets are used. Pollution content of grey water from various sources, grey water drainage fixture unit values, and sizing information for grey water treatment and subsurface disposal. Lacks information on inexpensive, home-built systems (see *Village Technology Handbook*, VITA), but provides solid engineering data for typical household application.

840 Winton, Harry N. M. *Man and the Environment: a Bibliography of Selected Publications of the United Nations System, 1946-1971*. New York: Unipub, 1972. 305p. 1,219 entries.

In classed arrangement are 1219 entries, most of them briefly annotated. Entries include monographs, dictionaries and glossaries, bibliographies, directories, yearbooks and other periodicals, and filmstrips. Covers a wide range of topics: natural resources and the earth sciences, oceanography, meteorology and climatology, water resources, food production and supply, demography, population studies, environmental health, air pollution, and noise. Indexes of authors, titles, subjects, serials, and series.

841 Wolff, Ben. *Windworks: a Bibliography*. Council of Planning Librarians, Exchange Bibliography No. 730, January 1975. Monticello, Ill.: Mary Vance, editor. c.518 entries. \$4.

842 Wolff, Garwood R., ed. *Environmental Information Sources Handbook*. New York: Simon and Schuster. \$25.

A well-indexed, wide-ranging source book on groups, publishers, and research facilities in the environmental sciences.

843 Wolfskill, Lyle A.; Dunlop, Wayne A.; and Callaway, Bob M. *Handbook for Building Homes of Earth*. Report prepared for the Agency for International Development. Washington, D.C. Dept. of Housing and Urban Development, Office of International Affairs. Undated reprint. 159p.

Manual published under the Self-Help Program of AID's technical services. It includes techniques developed in modern soil mechanics, describes broadly the kinds of soil found in various part of the world, and tells how to use stabilizers.

844 Wood, David Norris, ed. *Use of Earth Sciences Literature*. Woburn, Mass.: Butterworths, 1973. 459p. \$24.95.

A useful guide covering materials published through 1970, plus selected items through 1972. In addition to discussion of broadly pertinent periodicals, report literature, theses, conference proceedings, reference and review publications, bibliographies, abstracts and indexes, the work treats translation sources, non-Western publications, guides to geological maps, and the literature of specific areas of the geological sciences.

845 Woodsworth, Anne, comp. *Alternative Press in Canada: A Checklist of Underground, Revolutionary, Radical and Other Alternative Serials from 1960*. Toronto: University of Toronto Press, 1972.

846 *Workers' Councils and the Economics of a Self-Managed Society*. Solidarity Pamphlet No. 40, 123 Lathom Road, London E6.

Extensive proposals for libertarian socialist organization of society dating from 1957 in the wake of the Hungarian uprising; translated from the French, with contemporary comments from *Solidarity*. On similar lines is Anton Pannekoek's *The Workers' Councils*, (605) London: Freedom Press.

847 World Future Society. *The Future: a Catalogue of Resources: Books, Magazines, Tape Cassettes, Games, Learning Materials*. Washington, D.C.: World Future Society, Fall 1977. 24p.

Their book service handles currently 232 titles, of which 48 are new since the catalog issued in May 1977. Also includes reprint series of articles from *The Futurist*, grouped according to major subjects and issues. Not only "convivial," it includes "centralized, authoritarian" views of the future. A new catalog has been published in Feb. 1979, 70p., free.

848 World Future Society, comp. & ed. *The Future: a Guide to Information Sources*. Directory of Organizations, Individuals, Books, Educational Programs, Films, & other Resources. Washington, D.C.: World Future Society, 1977. 603p. \$15. WFS members, \$15.50 non-members.

Includes a directory of 230 organizations, capsule biographies of 450 individuals, a listing of 600 books and periodicals, summaries of 50 current research projects, descriptions of 150 courses and futures study programs, and a listing of more than 200 films, tapes, games, and learning kits. Second edition available August 1979 ca. \$20 U.S.

849 World Health Organization—International Reference Centre for Community Water Supply. *Plastic Pipe in Drinking Water Distribution Practice*. WHO-IRC-CWS technical paper No. 1. The Hague, 1971. bibliog. 221 entries.

Introduction and bibliography up to 1970. The entries are grouped under the headings: general, plastic piping materials, water quality and plastic pipe, strength properties of plastic pipe, and plastic pipe main design, laying, tapping, operation and maintenance. English, German, French, Dutch, Swedish, Russian, and Polish sources are covered, and although the bibliography is annotated it also contains a six-page introduction.

850 Worster, Donald. *Nature's Economy: the Roots of Ecology*. San Francisco, Calif.: Sierra Club Books, 1977. 404p. bibliog. pp. 381-398, c.350 entries, unannotated.

History of the idea of ecology.

851 Wright, Barry, & Worsley, Chris. *Alternative Scotland*. London: Wildwood House, 1975. £1.95 pap.

See Saunders, Nicolas. (680, 681)

852 Wright, Lawrence. *Clean and Decent*. Toronto: University of Toronto Press, 1960. \$2.95.

A history of the bathroom and the water closet through which flow 75 percent of home water use. Explores the phobias and fantasies and the dalliances inspired by them and offers insight into how different the sense of what is clean, decent, and enjoyable has been at different times.

853 Wulff, Hans E. *The Traditional Crafts of Persia: Their Development, Technology, and Influence on Eastern and Western Civilizations*. Cambridge, Mass.: MIT Press, 1966. 404p. bibliog. pp. 315-329. \$7.29.

Useful account of Iran's craft technology. Covers comprehensively the whole range of traditional crafts, including those of agriculture and food-processing. The material was gathered by the then Principal of the Technical College at Shiraz during many hundreds of interviews with craftsmen who permitted photographing of their work. The strictly descriptive record is enhanced by references to the historical development of each technique.

854 Wynar, Bohdan S.; Wynkoop, Sally; & Harwell, Ann J., eds. *American Reference Books Annual 1975*. Comprehensive annual reviewing service for reference books published in the United States, January through December, 1974. Littleton, Colo.: Libraries Unlimited, 1975.

Each issue covers the reference book output, including reprints, of the previous year (i.e., the 1970 volume covers 1969 publications). Offers descriptive and evaluative notes, many of them signed by contributors, with references to selected reviews. Classed arrangement, author-subject-title index. Cumulative index. Volumes 1-5, published 1975.

Y

855 Yanda, William F., & Yanda, Susan B. *An Attached Solar Greenhouse*. A manual for the design, construction and operation of solar heated greenhouses. *Un Invernadero Conectado de*

Energia Solar. English/Spanish. Santa Fe, N.M.: The Lightning Tree, Jene Lyon, Publisher, 1976. 18p. \$1.75.

The designs shown in this manual can be owner built for under \$2.50 per square foot. Most of the needed materials can be purchased at a local building supply store. The fiberglass and plastic glazing can be shipped to your home. The rectangular shed roof examples are easy to build and maintain. If you understand the principles involved in the solar greenhouse, the size and shape are limited only by your building skills and finances. Seventeen drawings and photographs explain principles, site requirements, construction, operation, and planting schedule.

856 Yanda, William & Fisher, Rick. *The Food- and Heat-Producing Solar Greenhouse: Design, Construction, Operation*. Santa Fe, N.M.: John Muir Publications. \$5.50.

Survey of the types of solar greenhouses now being built in various U.S. regions, covering the work of 30 innovators in the field.

857 Yepsen, Roger B., Jr., ed. *Organic Plant Protection: a Comprehensive Reference on Controlling Insects and Diseases in the Garden, Orchard and Yard Without Using Chemicals*. Emmaus, Pa.: Rodale Press, 1977. 688p. bibliog. pp. 653-654. \$12.95.

An update of *The Organic Way to Plant Protection* (1966, Glenn F. Johns, ed.), this new version has twice as many pages full of hints based on the experiences of thousands of reader-gardener-contributors across the U.S., as well as more scientifically-based research findings. Includes 167 pages on the various methods, such as companion planting, tillage mowing, biological control, physical traps, barriers, and weeds. Followed by 480 pages encompassing, literally, an encyclopedia of plant protection listing plants, their pests and specific remedies. Two appendixes, an annotated bibliography and a detailed 33-page index.

858 Young, Robert. "Science Is Social Relations." *Radical Science Journal*, No. 5, 1977. pp. 65-129. With a bibliog. of about 260 titles of works quoted or alluded to.

III Alphabetical list of periodicals

The most comprehensive guide to commercial and institutional periodical literature is *Ulrich's International Periodicals Directory* with its companion volume *Irregular Serials and Annuals*. For specialized guides to alternative periodical literature see Part I point 4. "Guides to periodical literature," and in the Index see: alternative press; directories and catalogs.

A

- 0 *Access: the Index to Little Magazines*. 1977. ed. by John Burke, Gaylord Professional Publ., P.O. Box 61, Syracuse, N.Y. 13201. Annual. \$50/yr. Swallow Press has apparently ceased publication of the current issues of *Index to Little Magazines*, which now covers 1943-1969. *Access* takes over the task. There is a split index: author 133 pages; title 126 pages; subject 30 pages. There are about 75 titles indexed. Gaylord will supply the titles on microfilm—with the index—for \$300 U.S.
- 1 *Acorn*. Network News. College of Environmental & Applied Sciences, Governors State University, Park Forest South, Ill. 60466, U.S.A. Published 10 times/year. Individual \$6/yr., institutions \$10/yr. News about energy alternatives, appropriate technology, and people in Midwest. Active in the creation of the Midwest Energy Alternatives Network. similar to A.S.E.'s Communications Network. One section of *Acorn* reviews books and periodicals.
- 2 *The Adobe News*. P.O. Box 702, Los Lunas, N.M. 87031, U.S.A. Bi-monthly.* \$8/yr. Network journal for people working with adobe and other earth construction. Full of excellent practical information.
- 3 *Advanced Solar Energy Technology Newsletter*. Carl M. Langdon, ed. & pub., 1609 W. Windrose, Phoenix, Ariz. 85029, U.S.A. Emphasis on high technology developments in solar flatplate collectors, solar test facilities, storage, NSF-NASA level of applied technology. Covers important legislation, conferences. Succinct, very readable.
- 4 *Adverse Reaction Titles*. Amsterdam: Excerpta Medica Foundation, 1966-. Vol. 1-. Monthly. A monthly bibliography of titles from approximately 3400 biomedical journals published throughout the world. Annually lists 5000 to 6000 items covering the complications, undesirable reactions, and untoward effects produced by drugs or other biologically active substances. Classed listing with subject and author indexes cumulated annually.
- 5 *L'Affranchi*. 64, rue Taitbout, Paris 9, France. No. 59 (spécial) *Energie Solaire & Habitat*, June 1975. 122p. 35 fr.fr.; No. 64 *La Maison Ecologique*, April 1977; No. 55 (spécial) *Eoliennes & Habitat*, 25 fr.fr.
- 6 *Alfalfa*. Revista de Ecología y Alternativas. Apdo. Correos 2678, Barcelona, Spain. Monthly. 1.000 ptas/yr. Spain; 1.200 ptas. other countries. Ecology and alternatives. Includes bibliography and resource addresses.
- 7 *Alternative Energy Sources Newsletter*. P.O. Box 134, Kingston, Surrey KT2 6PR, U.K. Comes with membership of CTT Association, £3.78/year. Technically oriented—methane, wind, sun, hydro, domes, etc. Emphasizes do-it-yourself.
- 8 *Alternative Media*. Alternative Press Syndicate, P.O. Box 775, Madison Square Station, New York, N.Y. 10010 U.S.A. Quarterly. \$5/yr. Published by the Alternative Press Syndicate for and about the alternative press with articles about the establishment media's treatment of vital issues and news about what APS is doing.
- 9 *Alternative Press Index: an Index to Alternative and Radical Publications*. Alternative Press Centre, P.O. Box 7229, Baltimore, Md. 21218 U.S.A. Quarterly. \$15/yr. individuals; \$25 high schools & movement groups; \$60 libraries & educational institutions; \$75 military & corporate institutions. Back issues available and a free list of 225 alternative press publications. This "Radical Readers' Guide" subject indexes about 160 alternative newspapers and magazines, including book and film reviews (though not every issue of every publication). Many of these periodicals are indexed nowhere else. Useful to get at the contents of such magazines as *Gay Sunshine*, *Catholic Worker*, *Black Scholar*, *Radical America*, *Workforce*, *Ain't I A Woman*, and many more. Not up-to-date, but the collective is making great efforts to catch up on the backlog.
- 10 *Alternative Society Newsletter*. Alternative Society, 9 Morton Avenue, Kidlington, Oxford, U.K. Now part of the Foundation for Alternatives, The Rookery, Adderbury, Nr. Banbury, Oxfordshire, U.K. Write for information on price and frequency of the *Newsletter*, which is full of information on the U.K.

- 11 *Alternative Sources of Energy*. Rt. 2 Box 90A, Milaca, Minn. 56353, U.S.A. Quarterly. \$5/4 issues; \$10/8 issues; foreign subscription \$6/4 issues; foreign airmail \$15/4 issues.

Concerned with the development of alternative technologies for a decentralized society. Emphasis is on alternative environmental technologies in energy sources, agriculture, architecture, transportation, and communications; and the synthesis of old and new technologies. Long the only source of grass roots development in use of renewable energy, ASE is more and more solid and useful.

- 12 *Alternatives*. 51 rue Saint Honoré, Paris 1. France. Quarterly. 150p. illus. 80,00 fr.fr./year.

1977 issues covered the underground press, the autonomous house, civic disobedience, and women; 1978: traditional architecture in France, a legal guide to environmental issues. In French.

- 13 *Alternatives: Perspective on Society and Environment*. Trail College, Trent University, Peterborough, Ontario K9J 7B8, Canada. Quarterly. \$5/yr.

- 14 (Deleted)

- 15 *Applied Ecology: Abstracts*. Comp. & pub. by Information Retrieval Limited, 1 Talconberg Court, London W1V 5FG, England. Monthly.

Commenced in January 1975, each issue to contain 800 abstracts and an author index.

- 16 *Appropriate Technology*. Intermediate Technology Publications, 9 King Street, London WC2 8HN, England. Quarterly. £4/yr. surface & U.K.; £5.50 air.

Mostly Third World oriented, it is both newsy and practical and it covers economic questions also.

- 17 *Architectural Design*. 26 Bloomsbury Way, London WC1, England. Monthly. £8.40/yr.

"... Not strictly ecological but it has an excellent track record of articles and special columns on "echo-tech," all mixed up with the jetset of the latest architectural gimmicry..." (Peter Harper.)

B

- 18 *La Baleine*. Journal des Amis de la Terre, 117 av. de Choisy, 75013 Paris, France. Monthly. 40,00 fr.fr./11 issues.

Main objectives: to popularize ecology; to spread scientific and technical information related to daily life in France; to develop the contact between ecology and other fields—economics, politics, social and cultural. Before sending check, be certain that your request will be answered.

- 19 *The Big Rock Candy Mountain*. Portola Institute, 1115 Merrill St., Menlo Park, Calif. 94025, U.S.A. \$8/yr. (2 issues + 4 supplements) or \$4/copy.

Similar in concept to the *Whole Earth Catalog*, devotes itself to "resources for ecstatic education": schools, teaching methods, toys and games, publications, teaching laboratories, films, tapes, records, etc.

- 20 *Bit*. 97a Talbot Road, London W11, England.

"An information service on every facet of alternative living. It has contacts throughout Europe, and publishes a very useful information digest which changes its name every issue

(call it *Bitman*: £1 a year or £0.25 an issue). It also coordinates CLAP (Community Levy for Alternative Projects) whereby financially successful ventures support others while they get started. Alternative technology projects are particularly welcome, and on past experience, have a good chance of getting money. CLAP is an extremely important experiment." (Peter Harper.) The digest no longer appears and CLAP is defunct.

- 21 *BlaBla*. Blaues Blatt. Dezentrale, 36 rue Pierre Péquignat, CH-2900 Porrentruy, Switzerland. Bimonthly. sw.fr. 13,00 Switzerland; sw.fr. 20,00 other countries.

Widely read Swiss journal that deals with alternative technology in the service of decentralized, self-managed, and ecologically acceptable lifestyles. In German.

- 21a *Book Publishers Directory: an Information Service Covering New and Established, Private and Special Interest, Avant-Garde and Alternative, Organization and Association, Government and Institution Presses*. Ed. by Elizabeth Geiser & Annie Brewer. Gale Research Co., Book Tower, Detroit, Mich. 48226, U.S.A. Quarterly. No. 1 June 1977. \$75/yr.

First issue has 695 entries listing address and telephone, date founded, officers' names, number of titles per year, discount and returns policy, and brief description with sample titles. Cumulative publisher/personnel and subject indexes. Entries are quite informative (even including citations for any articles published about the press) and many are not to be found in the standard directories.

- 22 *Booklegger Magazine*. Booklegger Press, 555 29th Street, San Francisco, Calif. 94131, U.S.A. Quarterly. \$8/yr. Issues 1-12: \$1.50 each. Issues 13-16: \$2 each. Add \$1 if billed.

Publication temporarily suspended after Vol. 3, No. 16, Autumn 1976. New start with issue No. 17, February 1978 on "Passionate Perils of Publishing." \$3 prepaid, \$4 to invoice.

- 23 *Bulletin de documentation*. La Documentation française. Ministère de la Protection de la Nature et de l'Environnement, Paris, France.

Started in 1973, publishes approximately five issues a year.

- 24 *Bulletin Signalétique*. Section 22, Histoire des Sciences et des Techniques. Centre de Documentation du Centre National de la Recherche Scientifique, 15 Quai Anatole France, Paris 7, France. Quarterly.

Of particular interest since 1958, when present section was established. The list of 2500 journals examined is given in Vol. 18, No. 1 (1964), pp. i-xlix; a typical volume (19) contains 3510 annotated entries under six broad subject headings with various subdivisions; an index was published separately. The section on technology is divided into general history of technology; tools, mechanisms, machines; communications, transport, and civil engineering; building construction and buildings; textiles and clothing; paper and printing; and military technology. Many references to technology are in the various science sections.

C

- 25 *Cadernos de Ecologia e Sociedade*. Afrontamento, Apdo. 532, Porto, Portugal. 4 issues per year. \$8.

- 26 *Canadian Information Sharing Service, CISS*. 121 Avenue Road, Toronto M5R 2G3, Ontario, Canada.

da. Bi-monthly. \$10/yr. individuals; \$15 libraries, government, universities.

Six times a year CISS abstracts materials produced by (almost exclusively) Canadians and always directly related to Canada. CISS "is developing a network of working for social change in situations of inequity which reveal dehumanizing aspects of our society." During the past two years "over 600 presentations have been published from almost 300 groups." Each issue contains its own index and an index for each volume, including title, subject, and contributor, is published separately.

27 *CoEvolution Quarterly*. Stewart Brand, ed. P.O. Box 428, Sausalito, Calif. 94965, U.S.A. Quarterly. \$12/yr.

The periodical arm of the *Whole Earth Catalog* and *Epilog* and a good way to update them. It includes soft technology as well as authoritarian, centralizing technology. When promoting "space Colonies." Brand is an articulate enemy of convivial tools, when promoting "Soft-Tech," he is a lucid ally.

28 *C/O: Journal of Alternative Human Services*. Pub. by the Community Congress of San Diego, 1172 Morena Boulevard, San Diego, Calif. 92110, U.S.A. Quarterly. \$8/yr. to individuals; \$12 to agencies. Add \$2 for Canada, \$3 other countries outside the U.S.

29 *Collectors' Network News*. James Danky, Acquisitions Section, State Historical Society of Wisconsin Library, 816 State Street, Madison, Wis. 53706, U.S.A.

Succeeds Russ Benedict's *Top Secret, Collectors' Network News*, through reviews, bibliographies, letters, notes, interviews, articles, and lists and also supplies practical ideas and data for collecting, processing, and publicizing alternative, extremist, and offbeat periodicals and ephemera.

30 *Combat Nature*. Maisons et Paysages, B.P. 80, 24003 Périgueux, France. Quarterly. 60,00 fr.fr./yr.

Founded in 1966. Magazine reporting on ecological associations for the protection of the environment: urban environment, growth and energy, landscapes in peril, agriculture and health, techniques and environment, legal chronicle, etc.

31 *Combat Non-Violent*. B.P. 26, 71800 La Clayette, France. Weekly. 75 to 150,00 fr.fr. per year according to income. (Since June 1977, this magazine is published together with *la Gueule Ouverte*.)

32 *Communities: Journal of Cooperative Living*. Twin Oaks Community, Rt. 4, Louisa, Va. 23093, U.S.A. Bimonthly. \$6/yr.

33 *Community Action in Europe*. Radsmandsstrade 10A, DK 1407 Copenhagen, Denmark.

This new newsletter, with coordinators in 17 European countries, Canada and the U.S., is networking grassroots action groups with interests ranging from squatter rights to anti-nuclear demonstrations.

34 *Communus*. 3 Endsleigh Street, London WC1, England. Monthly. £0.50/issue.

This is the magazine of the ecology/community action project of the National Union of Students and is another good organ for keeping in touch. A good mixture of disparate concerns, including radical technology. Defunct.

35 *Compost, Land, Science Utilization: Journal of Waste Recycling*. Box 351, 18 South Seventh

Street, Emmaus, Pa. 18049, U.S.A. Bi-monthly. \$15/yr.

36 *Compost Science: Journal of Waste Recycling*. Box 351, Emmaus, Pa. 18049, U.S.A. Bi-monthly. \$15/yr.

On-site treatment systems, compost toilets, municipal composting and alternative collection and land utilization processes.

Items 35 and 36 are now published as *Compost Science and Land Utilization*

37 *Conserver Society News*. 512 Blvd. Wilfred Lavigne, Aylmer, Quebec J94 3W3, Canada. Bi-monthly. \$5/yr., for individuals; \$15 for institutions.

Not to be confused with *Conserver Society Notes* put out by the Science Council of Canada, *CS News* is a grassroots newsletter for Canadians developing a society in harmony with the biosphere. It is edited by Bruce McCallum, author of *Environmentally Appropriate Technology*. It has inputs from reporters in almost every province and is beginning to provide a good coverage of events, projects and goings on in Canada. The same group has set up a non-profit cooperative company, *Conserver Society Products*, to distribute environmentally appropriate technologies. Initial function is as a buyers' co-op, with emphasis on wood-burning technologies.

38 *Consumer Reports*. Orangeburg, N.Y. 10962, U.S.A. Monthly. \$11/yr.

The publication of a myth-testing organization that makes a lot of useful information available to people on comparative merits of various products.

39 *Countryside*. Highway 19 East, Waterloo Wis. 53594, U.S.A. Monthly. \$9/yr.

Practical information with a stress on the small family farm as an energy-efficient, productive, and ecologically balanced food producing operation. How-to and general articles.

40 *Critical Mass: The Citizen Movement to Stop Nuclear Power*. P.O. Box 1538, Washington, D.C. 20013, U.S.A. Monthly. 65¢ per issue.

Deals specifically with the movement to stop nuclear power. It features the latest developments in government and industry concerning nuclear energy. In addition, stop-nuclear power citizens' groups report the latest regional news on a state-by-state basis. Information (pro/con) is presented which might be helpful to organizers in the anti-nuclear effort. A technical bibliography on decentralized energy systems is available for \$1.

D

41 *Departments of the Environment and Transport Library Bulletin*. DOE/Tp Library Services, 2 Marsham Street, London SW1P 3EB, England. £24.90/yr. 94p. No. 1, January 15, 1977.

Abstracts of current literature on social and environmental planning; roads, traffic and transport; countryside and recreation; housing and local government; water supply and waste disposal; pollution and conservation.

42 *Doing It! Practical Alternatives for Humanizing City Life*. Pub. by the Urban Alternatives Group, P.O. Box 303, Worthington, Ohio 43085, U.S.A. 6 times a year. \$10/yr.; \$18/2 yrs. Add \$2/yr. outside U.S. & Canada. No. 1, May 1976. New Title: *Humanizing City Life*. Both have ceased publication.

E

- 43 *Ecologie/Hebdo*. Agence de presse Ecologie, APRE, 12 rue Neuve-du-Patis, 45200 Montargis, France. French weekly. 150,00 fr.fr./yr., 80,00 fr.fr./6 months foreign subscription 220,00 fr.fr./yr. surface mail.

Abundant ecological information, mainly about France, militant news, review of underground press.

- 44 *The Ecologist*. Journal of the Post Industrial Age, 73 Molesworth Street, Wadebridge, Cornwall, U.K. 10 times a year, 40 pages, £9/yr.

Serious magazine with well-informed articles on environmental issues. The longer articles are usually documented: bibliographic footnotes are provided. At the end of 1977, the editors decided to try an experiment and divided *The Ecologist* into two separate journals, *The Ecologist Quarterly* and *The New Ecologist*. The experiment proved a failure, readers preferred the original formula. So the editors have decided to restore *The Ecologist* to its previous form and, from May 1979 onwards, it will be published ten times a year as a single journal.

- 45 *The Ecologist Quarterly*. Ed. by Edward Goldsmith, 73 Molesworth Street, Wadebridge, Cornwall PL27 7DS, U.K. £4/yr. \$9/yr.

Well-documented articles on environmental issues. Bibliographic footnotes follow most of the articles. Book reviews. Ceased publication. see 44.

- 46 *The Elements*. 1901 Q Street, N.W., Washington, D.C. 20009, U.S.A. Monthly. \$7/yr. individuals, \$15/yr. institutions.

Published by the Transnational Institute (another arm of the Institute for Policy Studies). *The Elements* is concerned with the use and misuse of resources worldwide—energy, food, and metals as they relate to weapons, fertilizers, and international economic cartels.

- 47 *Emergency Librarian*. 39 Edith Drive, Toronto, Ontario M4R 1Y9, Canada. 6 issues/yr. \$7 for Canada, \$9 for the U.S.A., institutions \$10 and international \$12.

A Canadian alternative feminist journal. Issues are formed around a theme, e.g., library workers, people's law, technical services, politics of libraries, feminist publishing, etc.

- 48 *Energy Abstract for Policy Analysis*. Dept. of Energy, Technical Information Center, Oak Ridge, Tenn. Pub. by ERDA and available from U.S. Government Printing Office, Washington, D.C. 20402, U.S.A. Monthly and annual cumulative index. \$38/yr. plus \$5 for outside U.S. mailing.

Limited primarily to non-technological articles and reports considered to have significant reference value.

- 49 *Energy Insider*. U.S. Department of Energy, Office of Public Affairs, Room 7203, Washington, D.C. 20545, U.S.A. Bi-weekly. Free.

The Department of Energy's newsletter circulated to researchers, news media, and others interested in keeping up with the latest developments in the field of energy at the federal level. It includes a bi-weekly wrap-up of the Federal Energy Regulatory Commission's (FERC) decisions, brief annotations of recent DOE publications, updates on DOE's activities, and a calendar with major upcoming activities nationwide.

- 50 *Energy Today*. Trends Publishing Inc., National Press Building, Washington, D.C. 20004, U.S.A. Bi-monthly. \$90/yr. 8p.

Very expensive, but this is the complete energy newsletter. Covers all areas: nuclear, fossil, solar, legislation, projects, research, international, domestic, relevant new publications, and energy trends (who is doing what where, conferences). Highly recommended for public and corporate libraries.

- 51 *Environment*. 4000 Albermarle Street, N.W., Washington, D.C. 20016, U.S.A. Monthly, except bi-monthly January/February & July/August \$12.75/yr., add \$2 outside U.S.

"Very well researched articles on alternatives, generally for application on a fairly large scale. This is a useful corrective to the constitutional miniaturism of appropriate technology freaks." (Peter Harper.) Now available: a subject and author index from its appearance in 1969 through the complete volume of 1976. A supplemental cumulative index for the 1977 volume is published in the December 1977 issue.

- 52 *Environment Abstracts*. Environment Information Center, 292 Madison Avenue, New York, N.Y. 10017, U.S.A. \$175/yr. Vol. 1-, Jan. 1971-. Monthly.

Title varies. Volumes 1-3 were called *Environment Information Access* and published semi-monthly. An indexing and abstracting service covering both published and nonprint (e.g., radio and television programming, films and filmstrips) materials. Significant books, periodical articles (from scientific, scholarly, technical, and general publications), major conference proceedings, newspaper stories, and significant environmental entries from the *Federal Register* are included. A classified "main entry section" provides a complete citation with abstract; this is followed by subject, industry, and author indexes. A calendar of conferences is included in each issue. Items designated by an asterisk may be purchased on microfiche, either singly or by subscription to one or more "main entry" categories. Other services (e.g., literature searches through the computerized data base) are available on inquiry. *Environment Index*, which serves as a cumulative index, must be purchased separately.

- 53 *Environment Action Bulletin*. 33 East Minor, Emmaus, Pa. 18049, U.S.A. Bi-weekly. \$10/yr.

- 54 *Environment Index, 1971- : A Guide to the Key Environmental Literature of the Year*. Environment Information Center, 292 Madison Avenue, New York, N.Y. 10017, U.S.A. Vol. 1- . 1972-. Annual.

Cumulates the subject, industry, author, and accession indexes from *Environment Abstracts* (above), but the subject index can be used independently of that publication. Includes an annual listing of environmental books and films; an overview of the year's events, legislation, and conferences; a directory of pollution control officials; and a list of environmental control patents.

- 55 *Environmental Periodicals Bibliography: Indexed Article Titles*. Environmental Studies Institute, Santa Barbara, Calif., U.S.A. Bi-monthly. 1972-

Indexes feature and review articles from approximately 260 U.S. and foreign periodicals. An extra issue provides the annual index. Each issue is divided into six subject category listings: general, human ecology, air, energy, land resources, water resources, and nutrition and health. Reproduces the table of contents of each magazine indexed, thus providing author and subject access to the material. Each issue also carries a list of periodicals indexed, with pages cited for the location of their tables of contents within individual issues.

- 56 *Environnement Africain*. ENDA-Relais Technologique, B.P. 3370, Dakar, Sénégal. Quarterly. \$7 Africa & Third World; \$20 other countries.

Number 2, December 1977, gives a list of 70 groups active in appropriate technology development; 50 of them are established in 26 African countries, the other 20 are from industrialized countries.

57 *ERDA Research Abstracts, ERA*. Available from Government Printing Office, Washington, D.C. 20402, U.S.A. \$119/yr., overseas \$148.75/yr. Index only \$30.50/yr., overseas \$38.15. Starting 1977, index appears twice each year.

ERDA's monthly abstract journal, published since March 1975 but available only to ERDA, its contractors and grantees, is now available to the public (12 volumes per year, about 350p. per volume). *ERA* abstracts and indexes reports, patents, journal articles, conference papers, theses, books and monographs sponsored by ERDA and other U.S. government agencies, as well as select non-U.S. publications.

F

58 *Food Monitor*. P.O. Box 1975, Garden City, N.Y. 11530, U.S.A. 11 issues/yr. \$15/yr.

Subtitle: Information, analysis, and action on food, land, and hunger. According to the editors, *Food Monitor* exists "to investigate, analyze and publicize the economic and political roots of hunger."

59 *Frente Ecológica*. Órgão do militante ecológico. R. Dionísio dos Santos, 7-2º E, Paco de Arcos, Portugal.

Exposes national and world ecological and conservation problems. Struggles against the destruction of the ecosystem by industry, government, or individuals.

59a *Future Survey: a Monthly Abstract of Books, Articles, and Reports Concerning Forecasts, Trends, and Ideas About the Future*. Ed. by Michael Marien, World Future Society, 4916 St. Elmo Avenue (Bethesda), Washington, D.C. 20014, U.S.A. Monthly. \$24/yr. individual WFS members; \$36/yr. libraries & non-WFS members.

"Seeks to identify and integrate the nonfiction English language literature that is relevant to both desirable and probable futures. Forthcoming and newly-published books are identified from more than 100 publishers . . . Articles are selected and annotated from more than 100 periodicals. Addresses of publishers are listed in the annual cumulative index to authors and subjects included in the price of subscription." (From Volume 1, No. 1 January 1979).

*bi-monthly means once every two months.

60 *Futures: the Journal of Forecasting and Planning*. Iliffe Science and Technology Publications, Westbury House, Bury St., Guildford GU2 5BH, Surrey, U.K. \$65/yr. Bi-monthly. U.S. subscribers may order through Iliffe-NTP, Inc., 300 E. 42d Street, New York, N.Y. 10017, U.S.A.

"Published since September 1968, quite valuable, but overpriced. 'Contains articles and original papers on the probable and possible longterm trends in science, technology, economics, politics, and social conditions, and on the means by which desirable goals may be selected and achieved.' (journal masthead.) A serious publication with an international focus." (Michael Marien, *Alternative Futures for Learning*.)

61 *Futures Information Newsletter*. The Occasional Newsletter of the Futures Information Network. Ed. by Michael Marien, Information for Policy Design, LaFayette, N.Y. 13084, U.S.A. Individual membership to *FIN* costs \$5/yr. Institutional membership costs \$15/yr.

Purposes of F.I. Network are: to identify recently published and soon-to-be published compilations of futures information; to facilitate distribution of the above; to promote bibliographic control; to promote high scholarly standards and a greater user orientation. Unfortunately interrupted after Number 1, February 1977.

62 *The Futurist: a Journal of Forecasts, Trends and Ideas about the Future*. World Future Society, P.O. Box 19185, 20th St. Sta., Washington, D.C. 20036, U.S.A. Bi-monthly. \$7.50/yr.

"Published since February 1967 and improving with each issue since its original inception as 'A Newsletter for Tomorrow's World.' Includes a variety of short articles, book reviews, speech extracts, as well as a member's book service offering a 10 percent discount on a list of about 60 books, most of them worthwhile. For an additional \$10 per year, the WFS Supplemental Program offers current news on who is doing or writing what, and abstracts of recently published books." (Michael Marien, *Alternative Futures for Learning*.)

G

63 *Garbage Guide*. Environmental Action Foundation, The Dupont Circle Building, Suite 724, 1346 Connecticut Avenue N.W., Washington, D.C. 20036, U.S.A. \$6/yr.

A four-page guide, funded by EPA; gives a good overview of a specific topic in each issue—plastic bottles, source reduction, hazardous wastes, and more. Lists bibliographic material and contact people.

64 *Grants News Letter*. Office of Appropriate Technology, State of California, 1530 10th St., Sacramento, Calif. 95814, U.S.A. Bi-monthly.

The purpose of this newsletter is to keep local governments, community groups, small businesses, and interested individuals up-to-date on available funding in the areas of resource conservation, community economic development, and renewable energy technologies.

65 *Green Revolution: Moving Toward Community*. The School of Living, P.O. Box 3233, York, Pa. 17402, U.S.A. Monthly except January and July. \$8/yr., libraries & institutions \$12

Long recognized as the voice of decentralism in America, *The Green Revolution* has been published for nearly 30 years. The subtitle gives the main concern of the magazine. Number 3, Volume 34 gives a directory of about 150 communities, with information about the decision making process, spiritual path, diet, year of establishment, etc. followed by a list of communities with name and address only. Updates of the directory are given in future issues.

66 *Groundwater Newsletter*. Twice monthly, \$60/yr., & *Water Newsletter*. Twice monthly, \$36/yr. Water Information Center, 14 Vanderverter Ave., Port Washington, N.Y. 11050, U.S.A.

Water Information Center, Inc. (WIC) is a private publishing firm specializing in water matters. They issue the oldest commercial newsletter on the subject, *Water Newsletter*, the only professional newsletter covering ground water, *Ground Water Newsletter*, and a list of unique professional and reference works and textbooks on the subject.

67 *Growing Without Schooling*. Holt Associates, Inc., 308 Boylston St., Boston, Mass. 02116, U.S.A. \$10/6 issues. No. 1 is dated August 1977.

"A newsletter, about ways in which people can learn and do things, acquire skills, and find interesting and useful work.

without having to go through the process of schooling . . . *Growing Without Schooling* is not much concerned with schools, even alternative or free schools, except as they may enable people to keep their children out of school by calling their own home a school, or enrolling their children in schools which then approve a home study program. We are, however, looking for ways in which people who want or need them can get school tickets—credits, certificates, degrees, diplomas, etc.—without having to spend time in school." (presentation.)

68 *Growth Alternatives*. 1785 Massachusetts Ave., N.W., Washington, D.C. 20036, U.S.A. Monthly. Free.

Published by the Center for Growth Alternatives, this newsletter is put together by "the emerging network of citizens concerned with the unbridled expansion which has characterized economy in the past, but which threatens its long-run viability." It will cover global as well as regional management news and resource information. It will serve as a network exchange, publishing reports from participants on their activities and difficulties, and encouraging participant interaction.

69 *La Gueule Ouverte*. B.P. 26, 71800 La Clayette, France. Weekly. 180,00 fr.fr/yr. 95.00 fr.fr./6 months.

Founded in 1972 by Pierre Fournier. Weekly journal on politics, ecology, and civil disobedience. Contains militant information, opinions, current events on ecology and non-violence. During several months (1977/1978) was published together with *Combat Non-Violent*, but has now split again.

70 *Guia del Consumidor*. Organo de difusion de la Asociación Mexicana de Estudios para la Defensa del Consumidor, A.C., Apdo. Postal 27-060, México 7, D.F. Monthly. \$150 mex. pesos/year. \$15 pesos/issue.

A well-done consumers' guide.

H

71 *Humanizing City Life*. Ruth Kaswan, ed., Urban Alternatives Group, P.O. Box 303, Worthington, Ohio 43085, U.S.A. Bi-monthly. \$8.50/yr. 64 p.

Doing It changed its name to *Humanizing City Life*. Its goals included: personal and economic self-reliance, community building, appropriate technology, sensible nutrition, cooperative arrangements, and more. Both publications have ceased.

I

72 *Institutions, Etc.* Investigative Newsletter on Institutions/Alternatives. Ed. by Jerry Miller, National Center for Action on Institutions and Alternatives, Room 1024, Dupont Circle Building, 1346 Connecticut Avenue N.W., Washington, D.C. 20036, U.S.A. Monthly. Individual \$22/yr.

"A continuing chronicle of the abuses of institutionalized people by professionalized people. Practical alternatives are also reported by the editor, who is America's most creative inventor of ways to respect and liberate the capacity of the incapacitated." (John McKnight in *CoEvolution Q.* Number 21, Spring 1979.)

73 *Interchange: a Newsletter for Learning Networks to Share Ideas, News, Techniques, Expertise, and Resources*. The Learning Exchange, P.O. Box

920, Evanston, Ill. 60204, U.S.A. Bi-monthly. \$12/yr.

Volume 1, Number 2, March-April 1978 contains articles on how to start a learning network and on the funding problem.

74 *In The Making*. 84, Church Street, Wolverton, Bucks., U.K. Ordinary subscription £1; institution £2; overseas rate £2 or U.S. \$4

ITM, a directory of cooperative projects, aims to bring together people interested in creating a variety of alternatives to today's capitalist society. Areas covered: urban common ownership factories, food co-ops, rural cooperative farming, "radical technology."

75 *IRAL: International Review of Applied Linguistics in Language Teaching*. V 1-, 1963-. Heidelberg: Julius Groos Verlag. Quarterly.

Text in English, French, and German; long essay reviews primarily in English or German. Occasionally British and American publications are reviewed in German.

J

76 *Journal of the New Alchemists*. The New Alchemy Institute, P.O. Box 432, Woods Hole, Mass. 02543, U.S.A. Available to Membership Associates of the Institute, \$25.

This annual reflects the commitment of the New Alchemists to a wholistic approach to ecological planning. Each issue includes specific "how to build" and design information, research and scholarly papers, and writings on untried ideas and systems. Summer 1977 contains: Cook Book of the New Alchemists; New Alchemy tropical Center in Costa Rica; project in growing "bush tea"; intensive food production in raised beds; aquaculture; new section on bioshelter. \$7

K

77 *De Kleine Aarde*. (The Small Earth). Munsel 17, Boxtel NB, The Netherlands. Quarterly. 20 guilders/yr.

Dutch magazine basically dealing in eco-technology.

78 *Kogai*. The Newsletter from Polluted Japan. Ui Jun, ed. Faculty of Urban Engineering, University of Tokyo, Hongo, Bunkyo-ku, Tokyo, Japan. Quarterly. \$5/yr. individuals, \$10/yr. institutions. Air mail, add 75¢ extra.

Ui Jun explains his newsletter as having been undertaken "in hopes that the Japanese victims of environmental hazards will not have bled, died, or shed tears in vain, knowing that their sacrifice may become known to other peoples so that a repetition of the Japanese experience may be avoided in other places." Independent, lucid, and seriously documented newsletter.

L

79 *Learning Exchange: a Community Newspaper for Information, Sharing and Learning*. 432, Waverley Road, East Malvern, Australia. Monthly. 25¢/issue. \$7/yr.

As well as this newspaper, a telephone and mail inquiry operation is maintained. The aim is to provide a means for people to share their interests and skills with others.

80 *Librarians for Social Change*. John L. Noyce, ed. & pub., Box 450, Brighton, Sussex. U.K. 3 issues a year. £2.50 libraries; £1.50 individuals. Contains book reviews, abstracts, bibliographies.

81 *Lifestyle: a Magazine of Alternatives*. P.O. Box 2300, Hendersonville, N.C. 28739, U.S.A.
A companion to *Mother Earth News*. Discontinued after a few issues.

M

82 *Manas*. Manas Publishing Co., P.O. Box 32112, Los Angeles, Calif. 90032. U.S.A. 44 issues/yr., \$10/yr.

Editor: Henry Geiger: "*Manas* is a journal of independent inquiry, concerned with study of the principles which move world society on its present course, and with search for contrasting principles—that may be capable of supporting intelligent idealism under the conditions of life in the 20th century. The word 'manas' comes from a common root suggesting 'man' or 'the thinker.'"

83 *Media Connection: Catalog of Resources*. Vocations for Social Change, Inc., 5951 Canning Street, Oakland, Calif. 94609, U.S.A. Semi-annual. \$7 individuals, \$10 institutions.

Issue Number 51, January 1978, gives an annotated list of approximately 500 items on: aging, birth, communities, ecology, education, energy alternatives, environmental organizing, food, gay, health, housing, jobs and careers, resource guides, small press, etc. The primary focus of the list is "connecting people with usually hard to find resources."

84 *Medical Letter on Drugs and Therapeutics*. Medical Letter Inc., 56 Harrison Street, New Rochelle, N.Y. 10801, U.S.A. Biweekly. \$9.75 for residents, interns, and medical students; others \$19.50.

The continuously most reliable, unbiased, technical source of information on the effectiveness of new drugs and their side effects.

85 *Medical Self-Care: Access to Medical Tools*. Tom Ferguson, ed. P.O. Box 718, Inverness, Calif. 94937, U.S.A. Quarterly. \$10/yr.

On lay self-help in matters of health care, published by a young physician specializing in community medicine. Reports on books and periodicals dealing with self-help, who is who, who does what.

86 *Medico Friend Circle Bulletin*, ed. & pub. by Ashvin J. Patel. 21 Nirman Society, Vadodara-390005, India. Annual subscription: India Rs. 10; U.K. air mail £5; U.S.A. & Canada air mail \$9.

Medico Friend Circle is trying to evolve common thinking and action among the persons involved in health related activities for an alternative system of health care in India. The references given in some of the forcefully written articles are guides to otherwise inaccessible literature.

87 *Mother Earth News*. P.O. Box 70, Hendersonville, N.C. 28739, U.S.A. Bi-monthly. \$12/yr. \$14 outside the U.S.A.

A "homespun" magazine for modern homesteaders with a very wide readership, by no means only use-value oriented. Full of information and lists of contacts but glossy and mixed-up with alternative gimmickry. The publishers also run a mail order store.

88 *Mushroom: a Magazine on Alternative Living in New Zealand*. P.O. Waitati, Otago, New Zealand. Quarterly. \$3.60/yr. Foreign \$4.80.

N

89 *NACLA Report*. P.O. Box 57, Cathedral Sta., New York, N.Y. 10025 & p.o. box 226, Berkeley, Calif. 94701, U.S.A. Bi-monthly. \$11/yr.

"NACLA: North American Congress on Latin America. For the last dozen years the authors have been researching and publishing detailed studies on activities of the U.S. government agencies, corporations, banks, labor, foundations, the church, and military that shape and profit from U.S. policies towards Latin America. Detailed documentation of U.S. training programs for foreign military personnel. Importation of agricultural stoop labor by U.S. Agri-business to keep from paying minimum U.S. wages. Impact of U.S. agri-business expansion in N.W. Mexico, Brazil, Guatemala, and other countries. People at NACLA have done an outstanding, patient, frustrating job of documentation."

90 *Natura*. Tu salud en la naturaleza. Editorial Posada, José María Rico 204, México 12, D.F. Monthly. \$18 pesos per issue.

91 *Natural Energy*. Robin Clarke, ed. Conservation Tools & Technology (CTT) Association, P.O. Box 134, Kingston, Surrey KT2 6PR, U.K. Quarterly.

This second issue of *Alternative Energy Sources*, fortunately renamed so as not to be confused with *Alternative Sources of Energy* in Milaca, Minnesota, U.S.A., features articles on the autonomous house, on a do-it-yourself solar collector, on solar collector testing, and windmill cost-benefits. Perceptive book reviews, news items, and letters to the editor add to its quality.

91a *Natural Life Magazine*. Access to Self-Reliant Living. P.O. Box 640, Jarvis, Ontario N0A 1J0, Canada. Bi-monthly. \$8/yr.

"Covers such topics as solar greenhouses, searching for community, ecological eggplant, beekeeping, etc.—in fact the whole spectrum of things appropriate technology people are interested in. The magazine usually has 75 pages, every one worth reading." (suggested by Bill Ellis, Tranet.)

92 *Neighborhood Ideas*. Center for Governmental Studies, P.O. Box 34481, Washington, D.C. 20034, U.S.A. \$20/yr.

The center is involved in many projects and one is neighborhood development. Their newsletter is a good source of information on neighborhood ideas around the country. Other publications include *Little City Halls*, 35¢, *Municipal Decentralization and Neighborhood Resources*, \$5.

93 *The Neighborhood Works*. The Center for Neighborhood Technology, 570 West Randolph Street, Chicago, Ill. 60606, U.S.A. Twice-monthly. \$20/yr. individuals & non-profit organizations; \$35 institutions/government/library; \$60 for-profit organizations.

"An information service that believes the neighborhood does work, that the neighborhood is a natural setting for new 'low' technologies which can meet human needs in food, energy, shelter, waste management, environment, and jobs, and that many tools and techniques that can help make neighborhoods viable and healthy are available and can be implemented by organizations and individuals working and living in urban neighborhoods."

94 *Network: Quodlibeta*. Bob Welke, 1100 SW 80 Avenue, Miami, Fla. 33156, U.S.A. 8-12p.

Quodlibeta means "whatever you please," and Network means "people in contact with each other." Articles cover the launching of local projects, skill and learning exchanges, books of interest, useful addresses, regional lending libraries, etc. The contents and the finances depend on volunteers.

95 *The New Ecologist*. Journal of the Post Industrial Age. The Ecologist, 73 Molesworth Street, Wadebridge, Cornwall PL27 7DS, U.K. Bi-monthly. Vol. 1, No. 1, January/February 1977. £4/yr. \$9/yr. See 44.

96 *The New Periodicals Index*. The Mediaworks Ltd., P.O. Box 4494, Boulder, Colo. 80306, U.S.A. Semi-annual, September & March. Vol. 1, No 1, January/June 1977. 143p. \$25/yr.

Primarily a subject index (author if major article) of 67 "alternative and new age" magazines, journals, and newspapers. Not just articles, but columns, reviews of print, non-print, performances, and art exhibits are indexed. Photocopies of the material indexed can be obtained from Mediaworks Ltd.

97 *New Roots*. Notes on Appropriate Technology and Community Self-Reliance for the Northeast. Bi-monthly with supplements. Energy Office, University of Massachusetts, Amherst, Mass. 01003, U.S.A. \$8/yr. individual; \$12 institution.

Objectives: "facilitate information sharing, provide an ongoing forum, stimulate interest in appropriate technology among Community Action Programs, low income, and citizen groups; advocacy and mobilization of grassroots resources."

97a *New Scientist*. Publications Expediting Inc., 200 Meacham Avenue, Elmont, N.Y. 11003, U.S.A. 52 issues. \$54.

"A model of how science, good reporting, and social responsibility can blend." (Stewart Brand.)

98 *New Zealand Environment*. 34 Norana Avenue, Auckland 5, New Zealand. Quarterly. \$2/yr, N.Z.; \$2.50/yr. foreign.

99 *News from Neasden: a Catalogue of New Radical Publications*. Bas Moreel, Nobelweg 108, Wageningen, Netherlands. Three times a year. £1.50/yr. \$3/yr. In U.S. & Canada dist. by Carrier Pigeon, 22 Fleet Road, London NW3 2Q5, England.

Tries to fill in part of the communication gap which exists between Western Europe, Australia, and the U.S. by annotating new, especially English, publications with a radical perspective. Subject headings include "history, theory, international, sexual politics, culture, society, and education." In addition to short annotations, longer book reviews are also included. An address list provides information about where to obtain each publication listed. Distributors are in the U.S., Canada, England, the Netherlands, and Australia.

100 *North Country Anvil*. Box 37, Milville, Minn. 55957, U.S.A. Bi-monthly. \$7.50/yr.

The Anvil is a worker's co-op printing and publishing group. "An open accessible forum that people can use to break out of the old compartmentalized concepts of 'politics,' 'art,' 'work,' 'leisure' and the like, so that such integral expressions as art and work and leisure and politics would again flow together within and among people."

101 *Not Man Apart*. Friends of the Earth, 529 Commercial Street, San Francisco, Calif. 94111,

U.S.A. Monthly. \$15 annual dues (includes subscription); \$10 nonmember subscription.

Published by groups actively involved in exposing world and national ecological and conservation problems. Covers all fronts in the activist conservationists' struggle against the extermination of wildlife and the destruction of the ecosystem by industry, government, or individuals. Provides detailed reports on politicians and on pending legislation that might affect ecological and conservationist interests. Each issue contains extensive book reviews.

102 *Nouvelles de l'Ecodéveloppement*. Centre International de Recherche sur l'Environnement et le Développement, CIRED. 54 boulevard Raspail, Bureau 309, Paris 6, France. Pub. with the support of the United Nations Environment Program. For information write to Mrs. Catherine Touraille. English ed: *Ecocodevelopment News*. Director: Ignacy Sachs.

In the midst of the second U.N.-sponsored "development decade," the meaning of "development" was profoundly affected by ecological considerations. In the opinion of the man behind this newsletter, Ignacy Sachs, this ecological redefinition of development goals makes the process itself not only more rational and feasible but also more equitable. The newsletter reports on academic and international events concerning ecology and development; each issue gives a very select and critically annotated bibliography.

103 *Nutrition Action*. Center for Science in the Public Interest, 1779 Church Street, Washington, D.C. 20036, U.S.A. \$10/yr.

The Center is the initiator of Food Day, which gave the initial push to numerous projects. *Nutrition Action* is meant to keep people in touch.



103a *On Participation*. Ed. by Steve Schwartz, Peter Stein, & Lisa Cashdan. Graduate School & Univ. Center/CUNY, 33 West 42d St., Room 1227, New York, N.Y. 10036, U.S.A.

Supersedes *Self-Help Reporter*.

104 *The Open Network News*. P.O. Box 18666, Denver, Colo. 80218, U.S.A.

The monthly newspaper published by Network Research for users of The Open Network. It is a self-supporting participatory newspaper open to all regular users of the Network. This means that the content of a space in the News is under the complete editorial control of the organizer and purchaser of that particular space. The Denver Open Network is an interactive environment in which people, ideas, events, and resources circulate with various degrees of randomness.

105 *Organic Gardening and Farming*. Rodale Press, 33 East Minor St., Emmaus, Pa. 18049, U.S.A. Monthly. \$6.85/yr.

Has split into *Organic Gardening* and *New Farm*.

106 *Other Presses in Print*. Larry Luce, ed. Other Books, 1207 Spruce St., Berkeley, Calif. 94709, U.S.A. Vol. 1, 1972. Semi-annual. \$5 prepaid, back volumes available.

This loose-leaf service is an ongoing address list of over 1800 movement/literary book publishers. Editor Luce also provides a search service and some distribution. Occasional "Bibliographical Note" sheets are included which annotate a group of small press titles on a topic.

P

107 *Peace News*. 8 Elm Street, Nottingham, U.K. Weekly. £7/yr.

Thorough coverage of movement events from a nonviolent revolutionary point of view, with frequent articles of interest to radical technologists. It included the occasional *CLAP Bulletin*. See 20.

108 *People and Energy*. Center for Science in the Public Interest, 1757 S Street, N.W., Washington, D.C. 20009, U.S.A. 10 issues/yr. \$15./yr.

A source for current developments in energy policy, legislation, citizen action, nuclear, and utility initiatives. Focuses on energy resources for energy activists, nuclear and utility intervenors, and those wanting public control of "public" utilities.

109 *Pesticides Abstracts*, Vol. 1, No. 1-; September 1968-. Washington, D.C.: U.S. Public Health Service, Pesticides Program, 1968-. Monthly, with annual index.

Title varies. Volumes 1-6, Number 12 was called *Health Aspects of Pesticides: Abstract Bulletin*. Now a publication of the Technical Services Division of the Environmental Protection Agency. Classed arrangement with author and subject indexes. Listings are drawn from a review of about 1150 domestic and foreign journals.

110 *P.I.A.F. environment*. Périodique d'information pour les associations françaises. Agence Presse-Environnement, 89 rue de Monceau, Paris 8, France.

Periodical link among environmentalist associations. Reports especially on their activities promoting legislation or litigation.

111 *Pollution Abstracts*. Vol. 1, No. 1-; May 1970-. Data Courier Inc., 620 S. 5th St., Louisville, Ky. 40202, U.S.A. Bi-monthly. \$99/yr.

Provides international coverage of technical literature on the environment, from over 2500 sources. Covers air and water pollution, solid wastes, noise, pesticides, radiation, and general environmental quality. Includes books, technical journals, conference proceedings, papers, government reports, and limited-circulation documents. A permuted subject index and an author index. An annual cumulative index is available, but is not included in the yearly subscription.

112 *The Power Line*. Environmental Action Foundation, 724 Dupont Circle Building, Washington, D.C. 20036, U.S.A. Monthly. \$15/yr.

Access newsletter for questions on what is going on in the area of utilities: Whose money pays for utility lobbying on nuclear referendums? What states now have lifeline rates or bans on utility practices of charging consumers for promotional advertising? What is happening with municipal takeover of utilities? Resources for citizen action against utilities are identified.

113 *Practical Self-Sufficiency*. Broad Ley Publishing Co., Widdington, Saffron Walden, Essex CB11 3SP, U.K. Bimonthly. £3.50/yr; airmail beyond Europe £5; sea mail \$7.

Primarily a practical magazine which seeks to rediscover and pass on knowledge of traditional skills and practices of good husbandry and craftsmanship.

114 *Public Interest Economics Review*. P.I.E. Foundation, 1714 Massachusetts Avenue N.W., Washington, D.C. 20036, U.S.A. \$5/yr.

Good perspectives on unemployment, economic priorities,

who is doing what, economic research, current projects, legal battles, and access to economics networks.

115 *Public Policy Book Forecast*. Michael Marien, ed. Information for Policy Design, LaFayette, N.Y. 13084, U.S.A. Bimonthly.

A unique bibliographic newsletter started in October 1977. Each 16-20 page issue previews approximately 200 forthcoming and recently published non-fiction books and reports on social science findings, trends, forecasts, and policy proposals. Complete bibliographic information is provided, and items are categorized, indexed by subject, and concisely annotated. Has ceased publication, and is continued by *Future Survey* (see item 19). The seven bi-monthly issues of PPBF published, featuring abstracts for a total of 1463 books and reports, are available as a set from the World Future Society Book Service at a cost of \$20 for individual WFS members, and \$35 for libraries and nonmembers.

R

116 *Radical Ecologist*. P.O. Box 87, Carlton South, Victoria 3053, Australia. Ecology magazine practically oriented.

117 *Radical Science Journal*. 9, Poland St., London W1, U.K. 3 times/yr. £3.

Libertarian Marxist perspective concerned with "socialist science and technology."

118 *Radical Software*. Ira Schneider & Beryl Korot, eds. Raindance Corp., 51 5th Ave., New York, N.Y. 10003, U.S.A.

"While this magazine was published there was nothing like it, and since it ended there has been nothing to replace it. Write for availability of back issues and cost. Schneider and Korot have written *Videoart: an Anthology*. New York: Harcourt, Brace, Jovanovich, 1976." (*Rainbook*.)

119 *Rain*. Journal of Appropriate Technology. 2270 N.W. Irving, Portland, Ore. 97210, U.S.A. 10 issues/yr. \$15/yr.

First-rate monthly information access journal and reference network, providing technical support for evaluating and implementing new ideas, ecological and philosophical perceptions for creating more satisfying options, and up-to-date information on current projects, groups, events and publications. In any modern general library, *Rain* belongs among the half-dozen most important periodical reference tools on the desk of the reference or acquisition librarian.

120 *Reason*. Box 40105, Santa Barbara, Calif. 93103, U.S.A. Monthly. \$19.50/yr. Outside U.S. add \$2/yr.

Libertarian magazine.

121 *Reference Services Review*. Vol. 1, No. 1-, January/March 1973-. Ann Arbor, Mich-Pierian Press, 1973-. Quarterly.

Volume No. 1 preceded by a "pilot issue" dated November/December 1972. Each issue includes a section of reviews of "Recent reference books"; a "Reference book review index"; and a section on "Reference books in print."

122 *Research in the Teaching of English*. Vol. 1-, 1967-. Urbana, Ill: National Council of Teachers of English. Semiannual.

A comprehensive, classified bibliography of research on the teaching of English, published during previous six months, is included in each issue.

123 *Research in the Teaching of English*. Vol. 1, 1967. Urbana, Ill: National Council of Teachers of English. Semiannual.

"Roundtable review" column spotlights several significant new books in each issue. Also long, critical essays by several authors, often with rejoinders by original author.

124 *Resources Newsletter*. Richard Gardner, ed., Box 134, Harvard Square, Cambridge, Mass. 02138, U.S.A. Monthly. \$5. Started 1974.

In eight to ten pages *Resources* lists and briefly annotates 60 to 70 media items which may be had free or purchased from a variety of sources. The editor lists information on "changing needs and aspirations, new ideas, products, services, events, and the people, groups and organizations that are changing and creating." It is now issued irregularly, but the subscription is still \$5 for 12 issues. Also available: 18 issues of *Resources* plus a copy of *Alternative America* (see Richard Gardner) for \$7.95 plus 50¢ postage. *Resources* sells a number of special purpose and general mailing lists. Labels are printed on self-sticking gummed material, 3 1/2 by 1 5/16 inches. Lists available: Small Press Mailing list, Alternative Press Syndicate, Top Secret Network, Canadian Small Presses and Publishers, College and University Libraries, Nuclear Activists, Alternative America, Bicycle Activists, and many others. Complete list with price and size is available from *Resources*.

125 *Resurgence*. Journal of the Fourth World. Ed. by Satish Kumar, Pentre Ifan, Felindre, Crymych, Dyfed, Wales, U.K. Bi-monthly. £3.50/yr.; overseas \$10; airmail \$15.

"*Resurgence* is a voice of new civilization, it is a journal of new politics, concerned with small nations, small communities, decentralization and ethnic cultures. It is a philosophical, ecological, and spiritual forum."

126 *Revista del Consumidor*. Insurgentes Sur 1871, Mexico 20, D.F., México. Monthly. \$100 pesos mexicanos/yr; foreign, U.S. \$6/yr.

Official magazine of the Instituto Nacional del Consumidor. The main purpose is to give orientation, information, and advice about goods and services mainly by publishing comparative analyses of products.

127 *Rodale's Environment Action Bulletin*. Rodale Press, 33 East Minor St, Emmaus, Pa. 18049, U.S.A. Bi-weekly. \$12/yr.

Also publishes well annotated sales catalogs of books on "alternatives."

128 *Rural Development Network Bulletin*. Overseas Liaison Committee, American Council on Education, 11 Dupont Circle, Washington, D.C. 20036, U.S.A. 2 to 3 times/yr. Free.

Exchange of information about the design, planning, and implementation of rural development projects and programs in the developing world. Gives descriptive information on research projects, publications, reference documents. Published in English, French, and Portuguese.

S

129 *Le Sauvage*. 11, rue d'Aboukir, Paris 2, France. Monthly. 72.00 fr.fr./yr. Well-informed, basically dealing with ecology. Covers mainly France. Has a glossy quarterly.

130 *Science for People*. 9 Poland St., London W1, England. Quarterly. £2/yr.

Journal of the British Society for Social Responsibility in Science (BSSRS). Radical orientation focuses on institution-

al science and alternative patterns of organization. Concerned with the social effects of science and technology, pollution, and work hazards.

131 *Science for the People*. 9 Walden St., Jamaica Plain, Mass. 02130, U.S.A. Bi-monthly. \$10/yr.

The radical science journal in the U.S. The "the" in the title differentiates it from the BSSRS's magazine and indicates a more Leninist approach. Tries to bring issues and information on alternatives to destructive technology to the attention of the public. It encourages people who may be isolated, presents examples of activities that are useful to local groups, brings issues and information to the attention of the readers, presents analytical articles, and offers a forum for discussion.

132 *Science for Villages*. Devendra Kumar, ed., 739 JNU, New Delhi-110057, India. Individuals \$5/yr. Institutions \$10/yr.

133 *Second Thoughts*. Basic Choices Inc., 1121 University Avenue, Madison, Wis. 53715, U.S.A. \$10/yr. individuals; \$15/yr. institutions.

Newsletter promoting networks for opposition and alternatives to: compulsory adult education, permanent education, lifelong schooling, recurrent education, continuing education units, adult education professionalization, credentialing, and licensing.

134 *The Self-Determination Quarterly Journal: a Personal/Political Network*. P.O. Box 126, Santa Clara, Calif. 95052, U.S.A. \$15 membership donation.

135 *Self-Help Reporter*. Ed. by H. Carson Briggs. National Self-Help Clearing-House, Graduate School & University Center/CUNY, 33 West 42nd St, Room 1227, New York, N.Y. 10036, U.S.A. Bi-monthly, except July/August: includes a serialized Directory of Self-Help Groups. 8p. Title changed to *On Participation*.

136 *Self-Help Spotlight*. Ed. by Yvonne Robinson. Self-Help Clearing House, 170 Kingston Road, London SW19 3NX, England. Bimonthly.

Newsletter of Britain's Self-Help Clearing House. The newsletter contains a variety of information on self-help groups, mostly in Britain.

137 *Self-Reliance*. 1717 18th St. N.W., Washington, D.C. 20009, U.S.A. Bi-monthly. \$6/yr.

Concerned with urban problems and small-scale appropriate technology. It reports on developments in politics and economics, in energy, agriculture, and waste recovery which have implications for the move towards decentralization and self-reliance. In each issue *Self-Reliance* presents an annotated bibliography on some aspects of decentralism. Number 1, April 1976, presents a booklist on decentralized society. Each issue also presents a list of groups, magazines, and other resources related to self-reliance.

138 *Self-Reliance Newsletter*. 29 Dartmouth Ave., Huddersfield, Yorks., U.K. Bi-monthly. £1/yr.

"A nice little mimeo job on the determinedly arcadian front." (Peter Harper.) Defunct.

139 *Seminar*. The Monthly Symposium. Romesh Thapar, ed., Post Box 338, New Delhi-1, India. Monthly. £4, \$10/yr.

A journal which seeks to reflect, through free discussion, every shade of Indian thought and aspiration. Each month, a single problem is debated by writers belonging to different persuasions. Opinions expressed have ranged from Congress to socialist, from sarvodaya to communist to independent. The nonpolitical specialist, too, has voiced his views.

140 *Simple Living*. American Friends Service Committee, 514 Bryant St., Palo Alto, Calif. 94302, U.S.A. Quarterly. \$3/yr. contribution requested, \$5 outside U.S.A.

Quaker sponsored, edited by Lee Swenson. How to live lives of quality without massive demands on resources. How to break the holds which schools, transportation, medicine, and other institutions have on the imagination. This newsletter and the project behind it is exploring some of these directions. (No longer published, for back numbers write to Lee Swenson.)

141 *Sipapu*. Ed. by Noel Peattie, Route 1, Box 216, Winters, Calif. 95694, U.S.A. 2 issues per year. 24p. \$4/yr.

Articles, interviews, reviews. A newsletter for librarians interested in Third World studies, the counter-culture, and alternative and independent presses.

142 *Small Press Review*. Ed. by Len Fulton, Ellen Ferber, & Nancy Cahil. Dustbooks, Box 1506, Paradise, Calif. 95969, U.S.A. Monthly. \$6/yr.

Publishes reviews and articles on the small press.

143 *Small Town Monthly*. Small Towns Institute, P.O. Box 517, Ellensburg, Wash. 98926, U.S.A. Monthly. \$15/yr.

144 *Social Alternatives*. Department of External Studies, University of Queensland, St. Lucia, Qld., Australia 4067. Quarterly. \$8 Aust/yr.

A new journal published in Australia. Number 2, June 1978, focuses on the nature and activities of self-help groups. Forthcoming issues will deal with control of the media and with work and self-management.

145 *Social Responsibilities Round Table Newsletter*. ALA/SRRT Clearinghouse, 60 Remsen St. #10E, Brooklyn, N.Y. 11201, U.S.A. \$5 ALA (American Library Association) personal member; \$3 affiliate, non-ALA member; \$20 institutions. Back issues available at \$1 each.

Information concerning ALA/Social Responsibilities Round Table activities and publications and other materials related to social change in libraries.

146 *Solar Energy Digest*. Ed. by William B. Edmondson, S.E.D., P.O. Box 17776, San Diego, Calif. 92117, U.S.A. Monthly. \$27.50/yr.

Emphasis on all solar techniques, including wind and biomass conversion; covers only the most important legislation on all levels. Attention devoted to hand tools and reference books for the backyard "do-it-yourselfer."

147 *Solar News and Views*. Monthly. *International Solar Energy Society News* (ISES). Quarterly. *Solar Energy Journal*. Quarterly. ISES, American Section, 300 State Road 401, Cape Canaveral, Fla. 32920, U.S.A. \$30 for all three.

Yearly membership dues (\$30) in ISES brings the American section newsletter, with eight pages on U.S. local chapter activities, conferences, educational seminars, expositions, book reviews; the eight page *ISES News* with international coverage, solar energy history; and the *Journal* with in-depth technical and academic studies. The American section is now compiling a directory listing members and their solar energy interests.

148 *Solar Utilization News—SUN*. Alternate Energy Institute, P.O. Box 3100, Estes Park, Colo. 80517, U.S.A. Monthly. \$8 individuals; \$15 libraries or industry.

Rachel Snyder, the editor of *SUN* is the former editor of *Solar Energy Washington Letter* and *Solar Energy Industry*

Report. Gives names and addresses for further information when appropriate. A free sample copy is available upon request.

149 *Spark*. CSRE, 475 Riverside Dr., New York, N.Y. 10027, U.S.A. For members of the Committee for Social Responsibility in Engineering Membership fee is \$10

"Radical, mainly oriented towards institutionalized engineering but more sympathetic to alternatives than *Science for the People*." (Peter Harper.)

150 *Street: Magazine of the Environment*. Pratt Center for Community & Environmental Development, 240 Hall St, Brooklyn, N.Y. 11205, U.S.A.

The Summer 1975 issue has an excellent summary of housing problems: good articles on "redlining," the use of the National Environmental Policy Act of 1970 for urban environments, and sweat equity cooperatives to rehabilitate housing. Each article gives address and phone numbers for people to contact. Many of the programs mentioned are federal; others, though specific to New York City, could be adapted anywhere.

151 *Survivre et Vivre*. 6, rue Chappe, 75018 Paris, France. Monthly. 3,50 fr./issue.

152 *Synerjy: a Directory of Energy Alternatives*. P.O. Box 4790, Grand Central Station, New York, N.Y. 10017, U.S.A. Twice yearly. \$10/yr. Unannotated.

A directory-bibliography-index to publications, products, and organizations dealing only with alternatives to conventional fossil fuel and atomic power. Gives the latest solar, wind, and bioconversion developments. Also covers geothermal, steam power, heat pipes, heat pumps, hydrogen, electric vehicles, fuel cells, direct energy conversion, water-power, tidal power, and energy storage.

153 *Synopsis and Summaries from National Swedish Building Research*. The National Swedish Institute for Building Research, Box 785 S-801 29, Gävle, Sweden. Published 9 times a year.

English summaries of the many excellent research reports prepared for the Swedish Council for Building Research. Most reports are in Swedish, but summaries in English are very good and some technical papers are available in English.

T

154 *Technologie und Politik*. Das Magazin zur Wachstumskrise. Pub. by Freimut Duve, Rororo Aktuell, Postfach 9, 2057 Reinbek-bei-Hamburg. Annual. Jährlich erscheinen 3 bis 4 Hefte.

Founded by Freimut Duve in 1975 as a public forum for the discussion of the political implications of technical decisions. Each issue centers on a theme with a full-size paperback anthology including more than dozen contributions from Europe, North and South America and, eventually other parts of the world. The magazine is marketed as part of RoRoRo Aktuell, Europe's most popular left-wing political series of paperback books. The editor assumes that at the present stage of technology and management, every technical decision is liable to have decisive impact on politics. Decisions taken now preclude—potentially forever—certain options. This is the only periodical publication in any language that has carried the discussion of alternatives to the industrial mode of production to a widely varied public of socialist orientation. Besides Freimut Duve, the founders include André Gorz, Ivan Illich, Joachim Israel, and Joachim Steffen.

155 *Tilth*. Route 2, Box 190A, Arlington, Wash. 98223, U.S.A. Quarterly. \$5/yr.

Devoted to creating biologically and socially sound agriculture for the Pacific Northwest.

156 *Toxicity Bibliography*. Vol. 1, No. 1- , January/ March 1968- . Washington, D.C.: U.S. Government Printing Office, 1968- . Quarterly.

Subtitle: A bibliography covering reports on toxicity studies, adverse drug reactions, and poisoning in man and animals. A subject listings in two parts: drugs and chemicals; and adverse reactions to drugs and chemicals. References are selected from monthly issues of *Index Medicus*, with more specific indexing provided. Subject and author index.

157 *Tranet*. Transnational Network for Appropriate/ Alternative Technologies. Ed. by William N. Ellis. P.O. Box 567 Rangeley, Me. 04970. U.S.A. Quarterly, \$15/yr. Membership: \$100 organizations; \$15 individuals.

Subtitle: A newsletter-directory of, by and for those individuals and groups around the world who are actively developing appropriate/alternative technologies. Gives names, addresses, and description of appropriate technology centers. Includes literature reviews, surveys of resources, and any other information that may be suggested by the centers themselves concerning their activities. The quarterly newsletter is only one activity of TRANET, a nonprofit corporation established to serve appropriate technology centers in all parts of the world; to stimulate exchanges among individuals, groups, and networks; to educate the public as to the concept of appropriate technology; and to promote discussion of the re-evaluation of the role of science and technology.

158 *Tripot*. Editions d'Utopic, 64260 LYS, France. 40.00 fr.fr. for 4 issues. Community action, underground press. soft technology, self-reliance.

158a *Turning Point Newsletter*. Ed. by Alison Pritchard & James Robertson, 7 St. Ann's Villas, London W11 4RU, England. Occasional, twice a year or more often. £1.00, U.S.\$2. contribution.

Reports on alternative groups and their activities in the U.K. Holds meetings and workshops in London and provinces. An important international networking device.

159 *Turnover*. Newsletter of the People's Food System. Newsletter Collective, 3030 20th St., San Francisco, Calif. 94110, U.S.A. \$3/yr.

The People's Food System of the San Francisco Bay Area is comprised of ten co-op and collective stores and 14 support collectives. They are consciously setting out to create a model of a worker and consumer controlled economy. The Food System is seen as an important experiment in collective economics, and *Turnover* reports on its development and its role within the community.

U

160 *Ulcus Molle Informationsdienst*. Nachrichten aus der alternativen Literaturszene. Pub. by Literarisches Informationszentrum, 4250 Bottrop, Bahnhofstrasse 42, West Germany. Bimonthly. DM 15/yr.

Started in 1969. The only regular information service on underground and alternative literature in German; news about publications, publishers, problems of distribution, changes of addresses, etc.

161 *The U*N*A*B*A*S*H*E*D Librarian, the "How I Run My Library Good" Letter*. Marvin H. Scilken, ed. P.O. Box 2631, New York, N.Y. 10001, U.S.A. Quarterly. \$15/yr.

Contains cartoons, satire, criticism, reviews, articles on innovative procedures and forms used in libraries.

162 *Undercurrents*. The Magazine of Radical Science Peoples' Technology, 27 Clerkenwell Close, London EC1R, OAT, U.K. £4.20/yr. \$9/U.S. 35p.

Well-informed alternative technology magazine, including articles on political aspects.

W

163 *The Wastebin*. Box 14012, Portland, Ore. 97214, U.S.A. Irregular. Available for 26¢ in U.S. stamps and an address label.

Mimeographed newsletter of continuing information on neighborhood recycling.

164 *Whole Earth*. 11 George St., Brighton BN2 1RH, Sussex, U.K. £1.20/yr., \$2; airmail: £2.20, \$4

Intended for small groups of people doing things together and for individuals doing things for themselves while still working for others. Aims to "spread the word about the need for alternative policies to change the dead end direction of our society." The magazine is complementary to the other activities in the Whole Earth Group. It is offset litho printed.

165 *Wildcat*. Box 999, 197 King Cross Road, London WC1, England. Monthly. £2.50/yr. Back issues 15 pence.

The link-journal of the active libertarian left. Every issue has a special in-depth supplement. Defunct.

166 *Win*. Peace and Freedom through Non-violent Action. Win Magazine, Inc., 503 Atlantic Ave., 5th fl., Brooklyn, N.Y. 11217, U.S.A. Weekly except 8 weeks a year. \$15/yr.

The August 17th issue (1978, Volume 14, Number 30) is devoted to transit. "It constitutes recognition by an important tendency in the American left—pacifist, nonviolent, nonsectarian—that the question of urban transport, the deliberate destruction of the public transport system, and the bicycle solution to the automobile disaster are important issues of our time."

167 *The Workbook*. Southwest Research and Information Center, P.O. Box 4524, Albuquerque, N.M. 87106, U.S.A. Monthly except July & August. \$10/yr. institutions.

A fully-indexed catalog of sources of information about environmental, social and consumer problems. It is aimed at helping people in small towns and cities across the U.S. gain access to information. Valuable for bring obscure documents to light, but appears to have a block against passing on information issued by any commercial publisher.

168 *Workforce*. Vocation for Social Change, 5951 Canning St., Oakland, Calif. 94609, U.S.A. Bimonthly. \$7/yr. individuals; \$10/yr. institutions. *Resource Guide*, \$1

A magazine of work alternative and social change. Every six months they publish a resource guide which is a sort of national Peoples Yellow Pages, useful for listings and sources of information.

169 *Working Papers for a New Society*. 123 Mt. Auburn St., Cambridge, Mass. 02138, U.S.A. Quarterly. \$10/yr. individuals; \$12/yr. institutions.

Focuses on the prospects for rebuilding America. "It will bring together ideas." Christopher Jencks writes in his editorial introduction to the first issue, "about how America might be reconstructed along more humane, more egalitarian, more participatory, less violent and less expansionist lines." Has articles on alternative media, communes and co-operatives, energy-scarce society, new political movements.

IV Alphabetical list of addresses for small, special, and unusual sources

Commercial and institutional publishers are not listed here. They can be found in: *Books in Print*, ed. by R. R. Bowker, New York, U.S.A. (at the end of Volume 4: Titles); *Les livres disponibles* (French Books in Print), ed. by Cercle de la Librairie, 117 boulevard Saint Germain, Paris 6^e, France (at the end of Volume Authors); *Verzeichnis lieferbarer Bücher* (German Books in Print), ed. by Verlag der Buchhändler-Vereinigung GmbH, Frankfurt am Main, West Germany. (at the end of last volume); *Libros en Venta en Hispanoamérica y España*, ed. by Turner Ediciones, Calle Chile 1441, Buenos Aires, Argentina. (at the end of last volume); *Catalogo dei Libri Italiani in Commercio*, ed. by Associazione Italiana Editori, Foro Buonaparte 24, Milano, Italia. (end of last volume). For specialized guides to alternative publishers see Part II, "Bibliographic guides to the whole field."

A

Action Ecologique Europeenne
Secr.: 107 rue de la Course
33000 Bordeaux, France
Siege social: Centre Européen de la
Culture
122, rue de Lausanne
CH-1211 Geneva, Switzerland

L'Affranchi
64, rue Taillbout
Paris 9, France

Agency for International Develop-
ment, AID
Department of Rural Development
Department of State
Washington, D.C. 20523, U.S.A.

"AID has a checkered history of often being an instrument for American economic colonialism and CIA activities in other countries but appears to be making an honest attempt to support local development of appropriate technology within developing countries themselves. They have set up a private non-profit corporation outside the government to channel \$20 million in funding into appropriate technology development for other countries. AID's proposal for that center contains listing of active appropriate technology groups in Latin America, Africa, and India which might provide useful contacts for people working in those areas." (*Rainbook*)

AGU Darmstadt
Alternative Technologie
Frankfurte Strasse 44
6100 Darmstadt, West Germany

AID: Agency for International De-
velopment

AID R and D Report Distribution
Center
300 North Zeeb Road
Ann Arbor, Mich. 48106, U.S.A.

ALA: American Library Association
Christian Allegre
C.P. 306, Station "N"
Montréal, Québec H2X 3M4, Canada
Co-author and co-editor of *Repertoire
québécois des outils planétaires*.

Alternative Agriculture Resources
Project
Dept. of Applied Behavioral Science
University of California
Davis, Calif. 95616, U.S.A.

Alternative America
Box 134
Harvard Square
Cambridge, Mass. 02138, U.S.A.

Alternative et Technologie
B.P. 51
75861 Paris 18, France
Has several technical publications on solar
energy: *Energie solaire et habitat*, 20,00 fr.;
*Utilisation de l'énergie solaire pour le
chauffage de l'eau*, 15,00 fr. Distributes and
imports equipment and implements.

Alternative Press Center
P.O. Box 7229
Baltimore, Md. 21218, U.S.A.

Alternative Press Syndicate
P. O. Box 775
Madison Square Station
New York, N.Y. 10010, U.S.A.
The APS is a nonprofit association of alter-
native newspapers and magazines which be-
gan in 1966. Since then, APS has grown to
include over 225 member papers with an es-
timated readership of over 20 million people
worldwide. APS has been a nonpartisan or-
ganization since its inception, having an ex-
tremely diversified membership. Because of
that diversity, APS has concentrated mainly
on seeing that the papers come out, helping
with money, publicity and legal defense in
some cases. APS helps new papers start
through free advertising, providing informa-
tion on how to publish and free material for
reprinting.

Alternative Society
Stan Windass
The Rookery
Adderbury, Oxfordshire, U.K.
Now part of the Foundation for Alterna-
tives.

Alternative Sources of Energy, ASE
Route 2 Box 90A
Milaca, Mich. 56353, U.S.A.

Alternative Technology Group,
Gothenburg
Institute of Theoretical Physics
Chalmers Tekniska
Hogkola Fack, S-402 20
Göteborg 5, Sweden

Alternatives Foundation
P.O. Drawer A—Diamond Hights
Station
San Francisco, Calif. 94131, U.S.A.

American Automobile Association
Traffic Engineering and Safety Dept.
8111 Gate House Road
Falls Church, Va. 22042, U.S.A.

American Council of Voluntary
Agencies for Foreign Service, Inc.
Technical Assistance Information
Clearing House
200 Park Avenue South
New York, N.Y. 10003, U.S.A.

American Council on Education
Publications Department
11 Dupont Circle
Washington, D.C. 20036, U.S.A.

American Friends Service Committee
48 Inman Street
Cambridge, Mass. 02139, U.S.A.

American Gas Association
1515 Wilson Boulevard
Arlington, Va. 22209, U.S.A.

American Library Association, ALA
50 East Huron Street
Chicago, Ill. 60611, U.S.A.

American Society of Planning
Officials, ASPO
1313 East 60th Street
Chicago, Ill. 60637, U.S.A.

Ann Arbor Science Publishers, Inc.
P.O. Box 1425
Ann Arbor, Mich. 48106, U.S.A.

Anthology Film Archives
80 Wooster Street
New York, N.Y. 10012, U.S.A.

Apple Skills Exchange
137 Fifth Avenue
New York, N.Y. 10010, U.S.A.
Offers over 100 Apple Skills Exchange
courses in people's home or studios.
Courses are short-term, inexpensive, and
given by qualified people that care: "me-
chanicals and pasteup workshop, print-
making, hatha yoga, basic bookbinding, ge-
stalt workshop, versatile vegetable."

Appropriate Technology Development
Unit
Gandhian Institute of Studies
Mansur Hoda
P.O. Box 116
Rajghat, Varanasi 1, India

Appropriate Technology Project
Box 4543
Stanford, Calif. 94305, U.S.A.

Arbeitsgruppen Alternative, AGA
A-1010 WIEN
Fürichgasse 10/104, Austria

Arbeitskreis Alternatives Adressbuch
Obergasse 30
D-6501 Ober-Olm, West Germany

Architectural Association Communi-
cations Network
36 Bedford Square
London WC1B 3ES, England

Architectural Association Rational
Technology Unit
4 Shenley Park House
Shenley Church End
Milton Keynes, Bucks, U.K.

Architecture Association Library
(or Bookshop)
34 Bedford Square
London WC1, England

ASE: Alternative Sources of Energy
ASPO: American Society of Planning
Officials
Associated Housing Advisory
Services, AHAS
5 Dryden Street
London WC2E 9NW, England

A small nonprofit cooperative group based
in central London set up to practise, test and
develop the principles of housing and local
development set out in *Freedom to Build*
and in *Housing by People* (John Turner and
Robert Fichter). With combined experience
in building design and construction, self-
help and cooperative organization, and in
tenant self-management, AHAS offers its
services to local groups and organizations
needing advice on coping with complex gov-
ernmental regulations and programme re-
quirements as well as on technical and ad-
ministrative matters.

Association of Little Presses
262 Randolph Avenue
London W9, England
Has information on small presses and can
advise (phone only) on starting a press,
printers, etc. They publish a catalog, *Little
Press Books in Print*, available from: Na-
tional Book League, 7 Albemarle Street,
London W1

Association of Local Enterprise
Trusts
10 Grenfell Road
Beaconsfield, Bucks, U.K.

ASTRA, Cell for the Application of
Science and Technology to Rural
Areas

Indian Institute of Science
Bangalore 560012, India
A center under the direction of A.K.N. Red-
dy, engaged in scientific research at the Uni-
versity of Bangalore. It works in particular
on appropriate technologies. It has a vulgar-
isation center in the village of Ungra, which
assists in the application of these tech-
nologies in agricultural units. The experi-
mental program covers windmills, hand
pumps, cultivation of bio-gas plants, the use
of the bicycle. The *Annual Report 1975/1976*
summarizes ongoing work by detailing prob-
lems faced and giving concrete solutions
suggested on energy, housing, pumping,
and transport.

Astragal Books
A division of The Architectural Press
Ltd.
9 Queen Anne's Gate
London SW1H 9BY, England

B

Basic Choices, Inc.
1121 University Avenue
Madison, Wis. 53715, U.S.A.
A new center for clarifying political and so-
cial options. Its founding members are inter-
ested in developing alternatives to present
trends toward compulsory adult education,
permanent education, current industrial
work structures, and personnel practices in
higher education. Founding members are
John Ohliger, Arthur Lloyd, Vern Visick,
and John Hill. Write for further information,
especially for bibliographies and materials
on lifelong schooling and compulsory adult
education.

Berufskollektive
Weinbergstrasse 133
8006 Zürich, Switzerland

Beyond Tomorrow
Dave Straton, Secretary
The Value Party
P.O. Box 137
Wellington, New Zealand

The Bicycle Network
14 Oak Street
Brattleboro, Vt. 05301, U.S.A.

Bioservación, A.C.
Valle de Sur 805 A
Monterrey NL, México

The Bio-Energy Council
1337 Connecticut Avenue, N.W.
Washington, D.C. 20036, U.S.A.

Biomass Energy Institute, Inc.
P.O. Box 129—Postal Station C
Winnipeg, Manitoba R3M 3S7, Canada

Biotechnic Research and Develop-
ment,
BRAD
8 Lambert Street
London N1 1JE, England

BIT
97a Talbot Road,
London W11, England
BIT has been the central information ex-
change for alternative movement activities
for over six years, not only for London but
for Europe too. Gives free information and
advice at any time on the phone. They have
built up large files of information which is
given freely to anyone.

Booklegger Press
555 29th Street
San Francisco, Calif. 94131, U.S.A.

Boston Self-Help Center
18 Williston Road
Brookline, Mass. 02146, U.S.A.
A cooperative, nonprofit organization,
created in the fall of 1977 by and for people
with a physical disability or chronic disease.

Boston Wind
307 Centre Street
Jamaica Plain, Mass. 02130, U.S.A.
The first alternative energy center in the
Boston area. Boston Wind's facilities in the
Jamaica Plain Factory are powered by a

wind generator on the roof. The group's objectives are to provide an Alternative Energy Educational Center at which individuals may be trained to design, build, and install practical energy systems; to disseminate information on alternative sources of energy which is not currently available at libraries or other local centers; and to conduct research on simple, cost-effective alternative energy hardware.

Boston Wind, Inc.
2 Mason Court
Charlestown, Mass. 02129, U.S.A.

Brace Research Institute
MacDonald College of McGill University
St. Anne de Bellevue
Prov. Québec H0A 1C0, Canada
Founded in 1959 to develop equipment and techniques for making dry lands available and economically useful for agricultural purposes. Equipment developed by this Institute utilizes as many local resources as possible, whether human, energy, or material, so that the technology can be easily adapted to the local environment utilizing solar and wind energy as well as simple desalination systems, concentrating on the problems that face isolated rural populations in developing arid areas. Instructional manuals are available. The adaptation of simple greenhouses combined with solar desalination systems for the production of food and water in arid areas is also being developed. The Institute has prepared a *Handbook on Appropriate Technology* and has excellent library facilities.



California Water Resources Center
University of California
Davis, Calif. 95616, U.S.A.

Canadian Hunger Foundation
75 Sparks Street
Ottawa, Ontario K1P 5A5, Canada

Canadian Self-Help Housing Association
P.O. Box 4134
Vancouver, B.C. V6C 1Z9, Canada
They built the Habitat House at the Habitat Congress in 1976. They have a good bibliography "Self-Help Housing" (\$2.50), plans for Habitat House and other designs, other design aids; they give courses and offer consulting in self-help housing. Publications list available.

Canadian Whole Earth Almanac
341 Bloor Street West, Box 6
Toronto 181, Ontario, Canada

Caroline House Publishers,
P.O. Box 738,
Ottawa, Illinois 61350 USA

Carrier Pigeon
75 Kneeland St.
Boston, Mass. 02111, U.S.A.

CEMAT: Centro Mesoamericano de Estudios sobre Tecnología Apropia-
da.

Center for Alternatives In/To Higher Education
1118 S. Harrison Road
East Lansing, Mich. 48823, U.S.A.

Center for California Public Affairs
Box 30
Claremont, Calif. 91711, U.S.A.

The Center for Community Economic Development
1878 Massachusetts Avenue
Cambridge, Mass. 02140, U.S.A.
CCED is an independent advocacy and research group working to promote the concept of community-based economic development. CCED's work focuses on the use of local economic institutions such as community development corporations, cooperatives, and worker-controlled enterprises as tools for achieving local community goals. CCED publishes a newsletter, as well as reports, papers, and monographs based on its work. It also maintains a library, acts as an information clearing house, and provides advocacy services.

Center for Rural Studies
1095 Market Street 418
San Francisco, Calif. 94103, U.S.A.

Center for Science in the Public Interest
1757 S Street, N.W.
Washington, D.C. 20009, U.S.A.
Their major areas of concern are food and energy. They have put together publications on the energy and nutritional content of food, personal energy accounting, asbestos, and aerosol cans. They publish *People and Energy* (\$10/year), a monthly newsletter about citizen involvement in energy, as well as a general CSPI newsletter. Their advocacy projects include pushing the Federal Drug Administration to label wax-coated fruit and ban inadequately tested food colorings.

Center for Social and Evaluation Research
University of Massachusetts
Boston, Mass. 02125, U.S.A.

Center for the Biology of Natural Systems
Box 1126
Washington University
St. Louis, Mo. 63130, U.S.A.

Central Committee of Correspondence
3226 Powelton Avenue
Philadelphia, Pa. 19104, U.S.A.

Centre d'Etudes Régionales sur l'Economie de l'Energie
89, rue de Miromesnil
Paris, France

Centre for Alternatives in Urban Development, CAUD
Lower Shaw Farm
Shaw
Near Swindon, Wilts, U.K.

Centre for Living
John Seymour
Fachongle Isaf
Trefdraeth

Sir Benfro
Near Newport, Wales, U.K.

Centre International de Recherche sur l'Environnement et le Développement, CIRED
Bureau 309
54, boul. Raspail
75270 Paris 06, France

Centre of Science for Villages
Devendra Kumar
Magan Sangrahalaya
Wardha 442001, India

Centro de Ecodesarrollo
Apdo. postal 11-440
México 11, D.F. México

Centro Las Gaviotas
Las Gaviotas
Llanos
Bogotá, Colombia
An integrated rural development center 250 air miles east of Bogotá. The project was established ten years ago to find a satisfactory means of settling the region without destroying its ecology. The concept is to provide central services to 200 families living within a radius of 60-70 km. It has an autonomous budget of \$1 million derived from various ministries.

Centro Mesoamericano de Estudios sobre Tecnología Apropiaada, CEMAT,
8a. calle 6-06
Zona 1
Apartado 1160
Guatemala
Promotes appropriate technologies for rural development in Latin America. Publishes working documents in Spanish. Publications have already appeared on energy, agriculture, health, and construction. An inventory of traditional pharmacopeia has been undertaken.

CIRED: Centre International de Recherche sur l'Environnement et le Développement

Citizens Advisory Committee
Pikes Peak Area Council of Governments
27 East Vermijo
Colorado Springs, Colo. 80903, U.S.A.
The Citizens Advisory Committee of the Pikes Peak Area Council of Governments is a volunteer organization comprised of citizens representing a variety of interests in the Pikes Peak Region. The Citizens Advisory Committee provides a forum for discussing important regional issues and exchanging ideas related to planning for the region's future and is a valuable means for active citizen participation in projects and activities that complement the work of the PPACG staff and elected officials.

Clivus Multrum USA
14A Eliot Street
Cambridge, Mass. 02138, U.S.A.

Cloudburst Press
Mayne Island, B.C., VON 2J0, Canada

Cloudburst Press
1716 North 45th Street
Seattle, Wash. 98103, U.S.A.

Committee for Small Magazine
Editors and Publishers, COSMEP
P.O. Box 703
San Francisco, Calif. 94101, U.S.A.
Originated in May 1967. COSMEP publishes a monthly newsletter with writer's market information, technical articles on writing and printing, distribution data, grant information, review sources, and information about members. Members also receive technical pamphlets on printing, layout, and publishing, access to mailing lists at reduced rates, and other useful cooperative support. Dues are \$25 per year. The trade association for small publishers.

Common Women Collective
5 Upland Road
Cambridge, Mass. 02140, U.S.A.

The Community Ownership Organizing Project
349 62nd Street
Oakland, Calif. 94618, U.S.A.
A research and consulting group promoting local economic control and ownership. COOP places particular emphasis on reducing housing costs for lower-income families. The COOP has developed strategies for cooperative ownership of real estate, utilities, and economic enterprises as concrete means towards establishing decentralized and democratic social and economic relations. The COOP publishes a quarterly newsletter, *The Public Works*, and a number of papers and monographs on community ownership.

Communities Publications Cooperative
Box 426
Louisa, Va. 23093, U.S.A.

Compendium Bookshop
240 Camden High Street
London NW1, England

Compendium Pty.
Centreway, 259 Collins Street
Melbourne, Australia

Comtek
13 Bedford Street
Bath, Avon, U.K. defunct

Conference on Alternative State
and Local Public Policies
1901 Q Street, NW
Washington, D.C. 20009, U.S.A.

Connecticut Agricultural Experiment
Station
Editorial Office
123 Huntington Street
Box 1106
New Haven, Conn. 06504, U.S.A.

Conservation Society
12A Guilford Street
Chertsey, Surrey KT1 8BR, U.K.

Conservation Tools and Technology
(CTT) Association
P.O. Box 134
Surbiton, Surrey KT2 6PR, U.K.
Moved and changed name to Natural Energy Association. Formerly Low-Impact Technology Ltd., now reorganized, offering sales or consultancy on appropriate technology gadgetry (windmills, fireless cookers, composting toilets, etc.). There is a quarterly newsletter *Alternative Energy*

Sources, and a CTT Association has been formed offering discount rates.

Conserver Society Product
P.O. Box 4377, Station E
Ottawa, Ontario, Canada

Continuing Education Publications
P.O. Box 1491
Portland, Ore. 97207, U.S.A.

Cornerstones
54 Cumberland Street
Brunswick, Me 04011, U.S.A.
A school for owner-builders. It provides: the information required to design a personal and economical house; support and guidance throughout the design and construction stages; and hands-on experience through working in the school's experimental building program.

Corporate Action Project
1500 Farragut Street, N.W.
Washington, D.C. 20011, U.S.A.

CoSIRA Council for Small Industries
in U.S.A. Areas

COSMEP: Committee of Small Magazine Editors and Publishers

Cosmep Book Van
P.O. Box 209
Carrboro, N.C. 27510, U.S.A.
A small press bookmobile with an inventory of more than 1000 publications from members. It travels to libraries, book shows, and community gatherings in that area, displaying and selling members' publications and distributing news and information about independent publishing. Any COSMEP member is eligible to participate in this project, which is supported by a grant from the National Endowment for the Arts.

Council for Small Industries in Rural Areas, CoSIRA
P.O. Box 717
35 Camp Road
Wimbledon Common
London SW19 4UP, England

Council of Planning Librarians
Exchange Bibliographies
1313 East 60th Street
Chicago, Ill. 60637, U.S.A.

Le Courpatier
B.P. 2
Rasteau, France

Creative Recycling Center
Christopher Wahlberg
4614 Liberty Avenue, Bloomfield
Pittsburgh, Pa. 15224, U.S.A.
Collects reusable materials and suggests practical and creative ways of constructing educational, recreational, and useful household items. Creates prototypes and provides information on the environmental and economic benefits of using discards. Gives waste a value. The new project, "Recycling for Food and Compost Production," is a program designed to build community and self reliance. The primary focus of the research is to develop methods of composting and growing food in urban areas through the utilization of organic and man made wastes.

Critical Mass
Center for Responsive Law
Box 19367
Washington, D.C. 20036, U.S.A.

Critical Mass
Energy Project
P.O. Box 1538
Washington, D.C. 20013, U.S.A.

CTT: Conservation Tools and Technology Ltd.

D

Daedalus
American Academy of Arts and Sciences
165 Allendale Street
Jamaica Plain Station
Boston, Mass. 02130, U.S.A.

Dekalb Learning Exchange
138 S. Second Street
DeKalb, Ill. 60115, U.S.A.
"The Exchange is a Human Resource Library through which one can learn, teach, or share interests. It is a regular library, but the main resources are people. The Exchange gives names of potential teachers, tutors, helpers or learning partners. One can trade books one-for-one or if one does not have any to trade, one can obtain any book for a 25 cent donation."

Denver Open Network
762 Lafayette
Denver, Colo. 80218, U.S.A.
A loosely structured information clearinghouse that helps persons reach others with similar, often unusual, interests, with 336 members in the Denver area. The founder, Leif, and Dan Densmore, who works with him, constantly communicate with members who have paid \$20 for the privilege of joining the network. They form a "pool" with ideas, information, resources, theories, and talents, from which all members can draw selectively. They publish a bulletin *Open Network News*.

Design Alternatives, Inc.
1312 18th Street N.W.
Washington, D.C. 20036, U.S.A.

Devin-Adair Co.
143 Sound Beach Avenue
Old Greenwich, Conn. 06870, U.S.A.

Dezentrale
Postfach 12
CH-2900 Porrentruy 2, Switzerland

Dezentrale Biju
Postfach 223
CH-3098 K6niz, Switzerland

Dildo Press
2516 Maple
Dallas, Tex. 75201, U.S.A.

Dilemme
Ecologie urbaine et invention sociale
20 rue St Martin
75004 Paris, France

Disability Rights Center
P.O. Box 19367
Washington, D.C. 20036, U.S.A.

Do It Now Foundation
Institute for Chemical Survival
P.O. Box 5115
Phoenix, Ariz. 85010, U.S.A.

Dustbooks
P.O. Box 1056
Paradise, Calif. 95969, U.S.A.

E

EARS: Environmental Action Reprint Service

Earthbooks Lending Library
Sweet, Id. 83670, U.S.A.
Homesteading books and magazines for rent, with option to buy.

Earthmind
P.O. Box 276
Acton, Calif. 93510, U.S.A.

Earthmind
5246 Boyer Road
Mariposa, Calif. 95338, U.S.A.

Earthwork
1499 Potrero Avenue
San Francisco, Calif. 94110, U.S.A.
An urban center for the study of land and food. Has an excellent list of books.

Ecology Action of the Midpeninsula
2225 El Camino Real
Palo Alto, Calif. 94306, U.S.A.

ECOROPA: Action Ecologique Européenne

Editions Entente
12, rue Honoré Chevalier
Paris 6, France

Editorial Pax-México
Republica Argentina 9
Apdo. Postal 129 bis
Mexico I. D.F. Mexico

Edizioni Ottaviano
Via S. Croce 2
I-20122 Milano, Italia

Education Otherwise
Lower Shaw Farmhouse
Shaw
Swindon, Wilts., England

Educational Facilities Laboratories, EFL
850 Third Avenue
New York, N.Y. 10022, U.S.A.

Educational Futures Projects
P.O. Box 2977
Sacramento, Calif. 95812, U.S.A.

Educational Policy Research Center Publications
1206 Harrison Street
Syracuse, N.Y. 13210, U.S.A.

Educational Resources Information Center, ERIC
Document Reproduction Service
P.O. Box 190
Arlington, Va. 22210, U.S.A.

Educational Service District No. 110 at Shoreline School District
158th and 20th Avenue, N.E.
Seattle, Wash. 98155, U.S.A.

EFL: Educational Facilities Laboratories

Ekologische Uitgeverij
Saenredamstraat 4a
Amsterdam, Netherlands

EME: Energy and Man's Environment

Empire State College
Learning Resources Center
2 Mion Avenue
Saratoga Springs, N.Y. 12866, U.S.A.

Energy and Man's Environment, EME
John Jones, Program Director
P.O. Box 200
Beaverton, Ore. 97005, U.S.A.

Energy and Man's Environment
0224 S.W. Hamilton
Portland, Ore. 97201, U.S.A.

Energy and Resources Program
100 T-4
University of California
Berkeley, Calif. 94720, U.S.A.

Energy Information Center
Energy Reference Dept.
124 East 39th Street
New York, N.Y. 10016, U.S.A.

Energy Information Center
Technology Application Center
University of New Mexico
Albuquerque, N.M. 87131, U.S.A.

Energy Research and Development Administration, ERDA
Division of Administrative Services
Library
Washington, D.C. 20545, U.S.A.

Environment Information Center
292 Madison Avenue
New York, N.Y. 10017, U.S.A.

Environment Information Center
Reference Division
124 East 39th Street
New York, N.Y. 10016, U.S.A.

Environmental Action of Colorado
1100 14th Street
Denver, Colo. 80202, U.S.A.

Environmental Action Foundation
724 Dupont Circle Building
Washington, D.C. 20036, U.S.A.
An excellent source of soundly documented information for community action on electric utilities, nuclear power, solid waste, materials conservation, transportation, and the supersonic B-1 bomber.

Environmental Action Reprint Service, EARS
2239 East Colfax
Denver, Colo. 80206, U.S.A.

(A mail-order bookstore for solar and alternative energy information. Publishes excellent catalogs on specific subjects. *Energy Catalog No. 9* describes 74 items on alternative energy sources, solar architecture, applied solar energy, energy conservation, energy policy, solar directories, windpower, wood energy, appropriate technology. 22 p. *Nuclear Information Catalog No. 9* describes 56 items on nuclear power: accidents, safety, near misses, biological effects, economics, insurance, issues and action, nuclear proliferation, nuclear terrorism, utilities, directories of nuclear activists, and mailing lists. 8p.

Environmental Law Institute
Energy Conservation Project
1346 Connecticut Avenue N.W.
Suite 620
Washington, D.C. 20036, U.S.A.

Environmentalists for Full Employment
Room 300
1785 Massachusetts Avenue, N.W.
Washington, D.C. 20036, U.S.A.

ERDA: Energy Research and Development Administration

ERIC Clearinghouse on Adult Education
107, Roney Lane
Syracuse, N.Y. 13210, U.S.A.

ERIC: Educational Resources Information Center

F

FAO: Food and Agriculture Organization, UNO

FAO: Organisation des Nations Unies pour l'Alimentation et l'Agriculture

Farallones Institute
Administrative Office
The Rural Center
15290 Coleman Valley Road
Occidental, Calif. 95465, U.S.A.
Founded in 1974, Farallones is building a living, learning, and research community with the goal of helping people move towards lighter living with finite resources. Their emphasis on "Whole Life Systems" stresses a steady-state relationship between the man-made and natural environments; the development of social, economic, and environmental diversity within communities; the development of knowledge- and labor-intensive production systems to replace present capital- and energy-intensive technologies. They accept students for both graduate and undergraduate programs and run workshops on various practical skills.

Farallones Integral Urban House
1516 Fifth Street
Berkeley, Calif. 94710, U.S.A.
The urban center of the Farallones Institute, the Integral Urban House, is now in its second year of operation. Complete with Clivus toilet, aerobic compost bins, greywater recycling unit, animal pens, food garden,

greenhouse, and solar water heater, the house aims to be a demonstration of self-reliance in the city. Unfortunately there is no neighborhood participation. The center offers classes to the public and is open to visitors on Saturday afternoons. For information about enrollment in undergraduate or master's programs in environmental studies, write to Helga Olkowski at the above address.

Filmkollektive
Josefstrasse 106
8005 Zürich, Switzerland

Food and Agriculture Organisation,
UNO
Documentation Centre
Via delle Terme di Caracalla
00100 Roma, Italy

The Foundation for Alternatives
Stan Windass
The Rookery
Adderbury, Oxfordshire, England

Free University Network
615 Fairchild Terrace
Manhattan, Kan. 66502, U.S.A.

Freedom
84b Whitechapel High Street
London E1, England

Freie Nachbarschaftsgesellschaft
Wilhelm-Baur-Str. 14
6145 Lindenfels/Odenwald 1
Fed. Rep. of Germany

David French
4417 Q Street N.W.
Washington, D.C. 20007, U.S.A.

Freunde der Erde
Postfach 100 221
2 Hamburg I, West Germany

Friends of the Earth
Box 39.065
Auckland West, New Zealand

Friends of the Earth
9 Poland Street
London W1V 3DG, England

Friends of the Earth
51 Nicholson Street
Melbourne, Victoria
Australia

Friends of the Earth
124 Spear Street
San Francisco, Calif. 94105, U.S.A.

John L. Fry
1223 North Nopal Street
Santa Barbara, Calif. 93103, U.S.A.

The Future Associates
P.O. Box 912
Shawnee Mission, Kan. 66201, U.S.A.

Future Studies Center
Roland Chaplin
15 Kelso Road
Leeds, LS2 9PR, U.K.
A list of reciprocal members up to 9th
March 1978 is available.

G

Georgia Institute of Technology
Economic Development Laboratory
Engineering Experiment Station
Atlanta, Ga., U.S.A.

Geothermal World Directory
18014 Sherman Way No. 169
Reseda, Calif. 91335, U.S.A.

Greater London Association for Ini-
tiatives in Disablement
79 Purley Downs Road, Flat 3
South Croydon, CR2 ORC, U.K.

Greater Philadelphia Bicycle
Coalition
P.O. Box 8194
Philadelphia, Pa. 19101, U.S.A.

GRET: Groupe de Recherche sur les
Techniques Rurales

Groupe d'Etude pour la Maison
Ecologique, G.E.M.E.
64, rue Taitbout
75009 Paris, France

Groupe de Recherche sur les Tech-
niques
Rurales, GRET
34, rue Dumont d'Urville
75116 Paris, France
Founded in 1975 by the Secretary of Foreign
Affairs. Publishes *Fichier encyclopédique
du Développement Rural* (the catalog of its
collection.)

Groupe Héliotechnique
12bis, rue Honoré Chevalier
Paris 6, France
Started in 1973, this is one of the most active
groups in the specific field of solar energy.
Lately they have had a tendency to get in-
volved in other forms of alternative energy
and the struggle against nuclear energy.

Gulf Publishing Co.
Box 2608
Houston, Tex. 77001, U.S.A.

Nicolas Galanis
Mechanical Engineering Dept
University of Sherbrooke
Sherbrooke, Quebec, J1K 2R1
Canada

Richard Gardner
Box 134, Harvard Square
Cambridge, Mass. 02138, U.S.A.

H

The Hesperian Foundation
P.O. Box 1692
Palo Alto, Calif., 94302, U.S.A.

A Housing Network Exchange in Lon-
don, NEL
John F. C. Turner
Development Planning Unit

9-11 Endsleigh Gardens
London, WC1H 0ED, England
NEL is based on plans originally made in
New York for the support of the now well
known "urban homesteading" movement
immediately after the publication of "*Free-
dom to Build*" in 1972. The Exchange will
support housing activities by people any-
where, and on any level of practical or theo-
retical development. Its service will be limited
to supporting ways and means of building
and maintaining neighborhoods. The prin-
ciples guiding the use of the exchange are
those of increasing personal responsibility
and local control; of the equitable genera-
tion and distribution of income and wealth;
and of the economic use of human and mater-
ial resources. Other networks are Tranet,
Rangeley, Maine and the Planner's Net-
work, San Francisco, California.

Human Affairs Program
Cornell University
410 College Avenue
Ithaca, N.Y. 14853, U.S.A.

Inform Books
25 Broad Street
New York, N.Y. 10004, U.S.A.

Information et Contacts
Case Postale 236
1227 Carouge
Geneva, Switzerland
For information on *People's Yellow
Pages*.

Information for Policy Design
LaFayette, N.Y. 13084, U.S.A.

Information Services
Environment Canada
10th Floor, Fontaine Bldg.
Ottawa, Ontario K1A 0H3, Canada

Institut pour le Developpement
Forestier
23, avenue Bosquet
75007 Paris, France

Institute for Liberty and Community
Concord, Vt. 05824, U.S.A.

Institute for Local Self-Reliance
1717 18th Street N.W.
Washington, D.C. 20009, U.S.A.
Established to investigate the technical fea-
sibility of community self-reliance in high
density living areas and to examine the im-
plications of such decentralization. Com-
mitted to urban life and to exploring the po-
tential for self-reliance, not of individuals or
of nations, but of humanly-scaled coopera-
tive communities, of neighborhoods and
cities. It is on this level that people have the
intellectual, financial, human and political
resources to make significant advances in
the direction of community self-sufficiency.
Provides technical assistance to municipal-
ities and community organizations in: waste
management, municipal finance, urban en-
ergy resources, community self-help hous-
ing, basement sprout and earthworm pro-
duction, urban food production, and many
others.

Institute for Research on Poverty
University of Wisconsin
Madison, Wis. 53715, U.S.A.

Institute of Development Studies
Library
University of Sussex
Andrew Cohen Building
Falmer
Brighton BN1 9RE, Sussex, U.K.

Integrated Development Association
of Sri Lanka
24 Shady Grove Avenue
Colombo 8, Sri Lanka

Integrative Design Associates
1740 N Street N.W.
Washington, D.C. 20036, U.S.A.

Intermediate Technology
556, Santa Cruz Avenue
Menlo Park, Calif. 94025, U.S.A.
Concerned with linking I.T. Centers all over
the U.S.A. *Intermediate Technology Report*
has 28 pages and is a quarterly publication
which gives information on the organiza-
tion. \$10/yr.

Intermediate Technology Development
Group, ITDG
9 King Street
Covent Garden
London WC2E 8HN, England
Founded in 1965 by E. F. Schumacher and a
group of engineers, scientists, economists,
and others from industry and the profes-
sions to catalyze development and access to
appropriate technologies for developing
countries. Useful publications and devel-
oped products, including the now famous
metal bending and egg carton machines.
ITDG's own structure is an interesting or-
ganizational model for effective, low-cost
marshaling of human and institutional re-
sources.

Intermediate Technology Publications
9 King Street
London WC2E 8HN, England
U.S. distributor: International Scholarly
Book Services.

International Development Research
Centre
Box 8500
Ottawa, Ontario K1G 3H9, Canada

International Institute for Environment
and Development
27 Mortimer Street
London W1, England

International Institute for
Environment and Development
IIED
10 Percy Street
London W1, U.K.

International Labour Office
Washington Branch
1750 New York Avenue N.W.
Washington, D.C. 20006, U.S.A.

International Learning Systems, Inc.
1715 Connecticut Avenue N.W.
Washington, D.C. 20009, U.S.A.

International Scholarly Book
Services, ISBS
P.O. Box 555
Forest Grove, Ore. 97116, U.S.A.
The exclusive North American distributor

for Intermediate Technology Development
Group Publications.

International Society for
Soilless Culture, ISOSC
P.O. Box 52
Wageningen, The Netherlands
Operates as an information center for re-
search and application of soilless culture.
Provides information on detailed technical
questions about hydroponics. Every three
to four years ISOSC organizes an interna-
tional congress on soilless culture and
publishes proceedings of these congresses.
The secretariat composes bibliographies.
ISOSC cooperates with the International
Centre for Hydroponics on Gran Canaria,
Canary Islands, which has a very modern,
well equipped laboratory and advanced ex-
perimental installations for soilless culture.
Formerly IWOSC.

International Woodworkers of
America
1622 North Lombard
Portland, Ore. 97217, U.S.A.

Invention Sociale et Ecologie Urbaine
Community Action in Europe Network
8, rue du Puits de l'Ermitage
75005 Paris, France

ISBS: International Scholarly
Books Services

ISOSC: International Society for
Soilless Culture

ITDG: Intermediate Technology
Development Group

Japan Consulting Institute
Hibiya Park Bldg., 1-1
Yuraku-cho, Chiyoda-ku
Tokyo, Japan

Robert Jungk
Steingasse 31
A-5020 Salzburg, Austria

De Kleine Aarde
Postbus 151
Munsel 17
Boxtel, Netherlands

Know, Inc.
P.O. Box 86031
Pittsburgh, Pa. 15221, U.S.A.
Founded in 1969 by a group of Pittsburgh
NOW members who bought an office dupli-
cating machine to help spread the word
about feminism. Know is dedicated to mak-
ing known the needs brought about by the
changing roles of men and women in a
changing society. Know has printed, or re-

printed more than 350 items. They publish
an eight-page annotated pricelist.

Laissez-Faire Books
206 Mercer Street
New York, N.Y. 10012, U.S.A.
Publishes an annual catalog of libertarian
books. Most recent one is 50 p. with about
800 items. An interesting resource.

Land for the People
c/o H. Girardet
Forest Cottage
Trelleck Road
Tintern, Gwent, Wales, U.K.
A loose-knit network of individuals trying to
draw public attention to the problems of
land ownership and pressing for wider ac-
cess to land use. Their "manifesto" is a pa-
perback book of the same name available
from the above address at £1.20.

Latin American Research Review
Hamilton Hall
University of North Carolina
Chapel Hill, N.C. 27514, U.S.A.

Lawton-Teague Publications
P.O. Box 656
Oakland, Calif. 94604, U.S.A.

Lea and Fibiger
Washington Square
Philadelphia, Pa. 19106, U.S.A.

The Learning Exchange
Box 920
Evanston, Ill. 60204, U.S.A.
For details on the start and the functioning
of the centre see: R. Lewis, and D. Kinishi;
and also Gregory Squires.

Learning Resources Center
Empire State College
Saratoga Springs, N.Y. 12866, U.S.A.

Legislative Commission on Energy
Systems
State of New York
828 Legislative Office Building
Albany, N.Y. 12224, U.S.A.

Librairie Alternative
36, rue des Bourdonnais
75001 Paris, France
Ask prices and availability before sending
check for mailing orders.

Librairie Entente
12 bis rue Honoré Chevalier
Paris 6, France

Librairie Parallèles
47, rue Saint Honoré
75 Paris 1, France

Libraries Unlimited
Colorado Bibliographic Institute
P.O. Box 263
Littleton, Colo. 80120, U.S.A.

Library of Congress
National Referral Center
Science and Technology Division
Washington, D.C. 20540, U.S.A.

The Lightning Tree
Jene Lyon Publisher
P.O. Box 1837
Santa Fe, N.M. 87501, U.S.A.

Liklik Buk Information Centre
P.O. Box 1920
Lae, Papua New Guinea

Dennis Livingston
Marlboro College
Marlboro, Vt. 05344, U.S.A.

Longview Public Library
1600 Louisiana
Longview, Wash. 98632, U.S.A.

Low Impact Technology, Ltd.
73 Molesworth Street
Wadebridge, Cornwall PL27 7DS.
U.K.

David J. Luebbbers
Route 3, Box 312
Columbia, Mo. 65201, U.S.A.

Lutheran World Service
Community Development Service
P.O. Box 66
1211 Geneva, Switzerland

M

Maison des Sciences de l'Homme
Unité de Documentation et de Liaison
54, boulevard Raspail
75 Paris 6, France

Manchester Business School
Booth Street West
Manchester M15 6PB, England

Michael Marien
Information for Policy Design
LaFayette, N.Y. 13084, U.S.A.

Maulwurf Buchvertrieb
Waldemarstrasse 24
1000 Berlin 36, West Germany

Mediaworks
P.O. Box 4494
Boulder, Colo. 80306, U.S.A.

Meiklejohn Civil Liberties Institute
Legal Publications
Box 673
Berkeley, Calif. 94701, U.S.A.

Jane Meskill
TAICH
209 Park Ave., South
New York, N.Y. 10017, U.S.A.

Meta Publications
P.O. Box 128
Marblemount, Wash. 98267, U.S.A.
Excellent mail order source for alternative
technology books, plans and technical infor-
mation. A listing of publications is available.
In the U.S., many foreign publications can
be obtained more easily and rapidly from
Meta than from their original sources.

Metrocenter
Y.M.C.A.
909 4th Avenue
Seattle, Wash. 98104, U.S.A.

Minimum Cost Housing Group
School of Agriculture
McGill University
Montreal, Québec, Canada
Created a few years back the *Stop the 5-Gal-
lon Flush* movement aimed to change toilet
and sewage practices. Since then they have
been building low-cost experimental hous-
ing of recycled and waste materials, devel-
oping uses of sulfur blocks in building, de-
signing recycling toilets, and a host of other
interesting projects. Write for publications
list.

MIT: Massachusetts Institute of Tech-
nology

M.I.T. Press
28 Carleton Street
Cambridge, Mass. 02142, U.S.A.

Le Monde à Bicyclette
5550 avenue du Parc
Montreal, Québec H2V 4H2, Canada

Mouvement de Défense de la Bicy-
clette
43, rue du Faubourg St. Martin
Paris 10, France
A news bulletin is published when they can
afford it.

John Muir Publications
P.O. Box 613
Santa Fe, N.M. 87501, U.S.A.

N

NACLA East
P.O. Box 57, Cathedral Station
New York, N.Y. 10025, U.S.A.

NACLA West
P.O. Box 226
Berkeley, Calif. 94701, U.S.A.

National Book League
7, Albemarle Street
London W1, England

National Center for Appropriate Tech-
nology
P.O. Box 3838
Butte, Mont. 59701, U.S.A.
Collects and disseminates information about
appropriate technologies which can be uti-
lized by low income people. A monthly
newsletter keeps interested people informed
about programs of the Center. Low income
groups and appropriate technologists can al-
so phone specific requests for technical help
to the Center's office.

The National Center for Community
Action
Network Services: Energy
1711 Connecticut Avenue, N.W.
Washington, D.C. 20009, U.S.A.

National Centre for Alternative Tech-
nology
Llwyngwern Quarry
Pantperthog

Mchynlleth
Powys, Wales, U.K.
They have set up a demonstration center for
alternative technologies where people can
see, try out and get a feeling for the reality of
things like compost toilets, windmills and
solar heaters. Very few people can visualize
that sort of thing without seeing it, and
seeing it puts it into a category of reality
along with the traditional options they are
familiar with. This British center has had
more than 50,000 visitors in one year. In-
quire about the Center's series of *Do-It-
Yourself* (DIY) plans for windmills, water-
pumps, etc.

National Clearing House on Deposit
Legislation
Environmental Action Foundation
724 Dupont Circle Building
Washington, D.C. 20036, U.S.A.

National Conference Center
Conference on Alternative State and
Local Public Policies
1901 Q Street, N.W.
Washington, D.C. 20009, U.S.A.
The major activities of the National Confer-
ence Center include: a clearinghouse of pro-
posed and existent alternative legislation;
task forces for developing new programs
and model bills around such issues as bank-
ing, public utilities, taxation, and women's
rights; a growing list of publications related
to state and local public approaches to social
and economic problems; and a newsletter
which keeps track of alternative legislative
developments on state and municipal levels.

National Council of Teachers of Eng-
lish (NCTE)
1111 Kenyon Road
Urbana, Ill. 61801, U.S.A.

National Federation of Community
Broadcasters, NFCB
1716 21st Street, N.W.
Washington, D.C. 20009, U.S.A.
NFCB is a participatory organization repre-
senting some 35 community based public ra-
dio stations. It operates a cooperative pro-
gram exchange among its members; pro-
vides a wide range of assistance on station
operations such as fund raising, legal prob-
lems, and program development; and han-
dles individual and joint concerns before na-
tional agencies such as the Federal Commu-
nications Commission. Most services are
restricted to member stations which support
the organization's work. NFCB helps new
groups get started and sponsors national and
regional conferences which are open to non-
members. Associate membership is avail-
able at reduced rates and the monthly
NFCB Newsletter goes to all who contribute
\$15 or more.

National Recreation and Park Associa-
tion
Park Project on Energy Interpretation
1601 North Kent Street
Arlington, Va. 22209, U.S.A.

National Resource Recycling Ex-
change
286 Congress Street
Boston, Mass. 02210, U.S.A.

National Science Foundation
Board on Science and Technology for
Industrial Development
2101 Constitution Avenue, JH 215
Washington, D.C. 20418, U.S.A.

National Science Foundation
Research Applied to National Needs
Washington, D.C. 20550, U.S.A.

National Self-Help Resource Center
2000 S Street N.W.
Washington, D.C. 20009, U.S.A.

National Swedish Institute for Building
Research
Box 785 S-801 29
Gävle, Sweden

National Technical Information Service, NTIS
U.S. Dept. of Commerce
5285 Port Royal Road
Springfield, Va. 22161, U.S.A.

National Urban Coalition
2100 M Street N.W.
Washington, D.C. 20037, U.S.A.

National Energy Association. See Conservation Tools and Technology

Nature et Progrès
3, Chemin de la Bergerie
91700 Sainte Geneviève des Bois
France

Neighbourhood Health Project
Orchard Cottage
Church Side
Epsom, Surrey, England

NEL: A Housing Network Exchange
in London (name of the project)

Net Energy Clearinghouse
Industrial Economics Div.
University of Denver Research Inst.
Denver, Colo. 80210, U.S.A.
A clearinghouse to disseminate information on "net energy" methods and studies made throughout the nation.

Network: Quodlibeta
c/o Bob Welke
1100 SW 80 Ave.
Miami, Florida 33156

Network: Quodlibeta
Zietenring 7
6200 Wiesbaden
Fed. Rep. of Germany

New Alchemy Institute—East
P.O. Box 432
Woods Hole, Mass. 02543, U.S.A.
Has been one of the pioneers in the development of small-scale, ecologically sane food production systems. Especially strong on aquaculture and integrated systems, the Alchemists work in both northern (New England and Canada) and southern (Costa Rica) climates, developing techniques which are appropriate to each locale. They have constructed a prototype dwelling unit which integrates food production, energy generation, and waste recycling at the Institute's Woods Hole site. Associate membership fee

of \$25 per year includes current annual *Journal of the New Alchemists*, newsletters, and other special interest mailings. Subscription membership of \$10 per year includes newsletter and a copy of the *Journal* in preparation. For more information on membership, write to above address.

New Alchemy Institute—West
Box 2206
Santa Cruz, Calif. 95063, U.S.A.

New England Solar Energy Assoc.
P.O. Box 121
Townshend, Vt. 05353, U.S.A.

New Morning
169 Spring Street
New York, N.Y. 10012, U.S.A.
Books, periodicals, alternative press, mail order, distribution.

Noyes Data Corporation
Mill Road at Grand Avenue
Park Ridge, N.J. 07656, U.S.A.

NTIS: National Technical Information Service



OCDE: Organisation de Coopération et de Développement Economiques

Ocean Engineering Information Service
P.O. Box 989
La Jolla, Calif. 92037, U.S.A.

OECD: Organisation for Economic Cooperation and Development
Office of Appropriate Technology
State of California
1530 10th Street
Sacramento, Calif. 95814, U.S.A.

Office of International Affairs
Department of Housing and Urban Development
Washington, D.C. 20410, U.S.A.

Office of Solid Waste Management Programs
U.S. Environmental Protection Agency
401 M Street S.W.
Washington, D.C. 20460, U.S.A.

Office of the State Architect
P.O. Box 1079
Sacramento, Calif. 95805, U.S.A.

Office of Toxic Substances
U.S. Environmental Protection Agency
Washington, D.C. 20460, U.S.A.

Office of Weatherization for Low Income
Federal Energy Administration
Washington, D.C. 20461, U.S.A.

Oficina Internacional del Trabajo
Publicaciones
CH-1211 Geneva 22, Switzerland

Ontario Institute for Studies in Education
Dept. of Adult Education
252 Bloor Street West
Toronto, Ontario M5S 1V6
Canada

Ontario Library Association
2397A Bloor Street West
Toronto, Ontario M6S 1P6, Canada

Oregon State University
Dept. of Atmospheric Sciences
Corvallis, Ore. 97331, U.S.A.

Organisation de Coopération et de Développement Economiques
2, rue André Pascal
75 Paris 16, France

Organisation de Coopération et de Développement Economiques
Centre de Développement
94, rue Chardon Lagache
Paris 16, France

Organisation des Nations Unies pour l'Alimentation et l'Agriculture, F.A.O.
Centre de Documentation
Via delle Terme di Caracalla
00100 Roma, Italie

Organisation for Economic Cooperation and Development
2, rue André Pascal
75 Paris 16, France

Orpheus Alternative University
1119 Geary Boulevard
San Francisco, Calif. 94109, U.S.A.
A part of the Bay Area Center for Alternative Education, publishes a newsletter, *Prisma*, and a *Guide to Alternative Education in the Bay Area*. Course descriptions include: fixing things, languages, business, jogging, printing, meeting people, arts and crafts, growth, dance, exploring the mind, health, and many others.

Other Books
1207 Spruce Street
Berkeley, Calif. 94709, U.S.A.

The Overlook Press
Lewis Hollow Road
Woodstock, N.Y. 12498, U.S.A.

Overseas Liaison Committee
American Council on Education
11 Dupont Circle
Washington, D.C. 20036, U.S.A.

P

Participation Publishers
Box 2240
Wickenburg, Ariz. 85358, U.S.A.

Pebble Press
P.O. Box 28
Brighton BN2 1RZ
Sussex, U.K.

The People's Yellow Pages
Box 31291
San Francisco, Calif. 94131, U.S.A.

Pikes Peak Area Council of Governments
27 East Vermijo
Colorado Springs, Colo. 80903, U.S.A.

Planner's Network
360 Elizabeth Street
San Francisco, Calif. 94114, U.S.A.

Popular Mechanics Books
224 West 57th Street
New York, N.Y. 10019, U.S.A.

Portola Institute
1115 Merrill Street
Menlo Park, Calif. 94025, U.S.A.

Poynter Center on American Institutions
410 North Park Avenue
Bloomington, Ind. 47401, U.S.A.

Princeton Centre for Alternative Futures
Hodge Road
Princeton, N.J. 08540, U.S.A.
A small "think tank" dedicated to exploring alternative futures for industrialized countries in a planetary context of human interdependence. It is sustained by the writings of its co-directors, one of whom is Hazel Henderson, author of *Creating Alternative Futures*. Book list available.

Programme on Science, Technology and Society
Cornell University
620 Clark Hall
Ithaca, N.Y. 14850, U.S.A.

Project Engineering Section
Dept. of Conservation
State Land and Natural Res. Bldg.
P.O. Box 44156
Baton Rouge, La. 70804, U.S.A.

Public Citizen
P.O. Box 19404
Washington, D.C. 20036, U.S.A.

Public Interest Economics Center
1714 Massachusetts Avenue N.W.
Washington, D.C. 20036, U.S.A.

Public Interest Research Group, PIRG
Post Office Box 19312
2000 P Street N.W., Suite 711
Washington, D.C. 20036, U.S.A.

Pushcart Book Press
P.O. Box 845
Yonkers, N.Y. 10701, U.S.A.

R

Rain
2270 N.W. Irving
Portland, Ore. 97210, U.S.A.
A group of people who have been active for a number of years in various areas discussed in *Rainbook*—building, windmills and solar homes, doing People's Yellow Pages, setting up and operating community design centers, and working on economic and energy research. They came together out of a feeling that it seemed most useful at this point to pull together and share what they are learning so it can be accessible and use-

ful to people working on local changes. (from their own presentation.)

Amulya Reddy, see ASTRA

Renewable Energy Publications, Ltd.
P.O. Box 125
Ayer's Cliff, Québec J0B 1C0
Canada

Renewable Energy Publications, Ltd.
P.O. Box 216
Frenchtown, N.J. 08825, U.S.A.

Rising Free
197 King Cross Road
London WC1, England

Rotation Verlag
Pfalzburger Str. 72
1000 Berlin 15, West Germany

Rural Communication Services
17, St. James Street
South Petherton
Somerset, U.K.

The Rural Library
P.O. Box 469
Toppenish, Wash. 98948, U.S.A.
Appears to be a serious attempt to assemble in one place books on agriculture and rural living which are relevant to the needs of today's back to the land movement. It is open for anyone to make use of.

Rural Resettlement Group
Lower Shaw Farmhouse
Shaw
Swindon, Wilts, U.K.

S

Santa Clara County Office of Appropriate Technology
P.O. Box 5651
San Jose, Calif. 95150, U.S.A.

Nicholas Saunders
65 Edith Grove
London SW 10, England

Norman B. Saunders
15 Ellis Road
Weston, Mass. 02193, U.S.A.

School of Living
P.O. Box 425
San Diego, Calif. 92103, U.S.A.

School of Living
RD. 7
P.O. Box 3233
York, Pa. 17402, U.S.A.
Founded in 1936 by Raiph Borsodi to encourage reassessment of modern living.

Christoph Schubert
Rotbuchenstr. 77
8000 Muenchen 90, West Germany

Science for Villages
Nagesh Hegde
739 J N U
New Delhi 110057, India

Self Help Housing Resource Library
The Polytechnic of North London
Ladbroke House, Highbury Grove
London N5 2AD, England

Shelter Publications
P.O. Box 279
Polinas, Calif. 94924, U.S.A.

William Shurcliff
19 Appleton Street
Cambridge, Mass. 02138, U.S.A.

Smoothie Publications
c/o John Noyce
Flat 2
83, Montpelier Road
Brighton, Sussex BN1 3BD, U.K.

Social Policy Research Unit
University of Sussex
Amilcar Herrera
Brighton, U.K.
Rural appropriate technology.

Société d'Aide Technique et de Coopération, SATEC
110, rue de l'Université
Paris 7, France

Solar Energy Applications Lab.
Colorado State University
Foothills Campus
Fort Collins, Colo. 80523, U.S.A.

Solar Energy Lab
Mail Stop 571
Los Alamos Scientific Lab
P.O. Box 1663
Los Alamos, Calif. 87543, U.S.A.

Solar Vision Inc.
200 East Main Street
Port Jervis, N.Y. 12771, U.S.A.

Solidarity
123 Lathom Road
London E6, England

Source Collective
Box 21066
Washington, D.C. 20009 U.S.A.

South Shore National Bank
71st and Jeffery Boulevard
Chicago, Ill. 60649, U.S.A.
Can a neighborhood bank become the focus for development activities in an urban area? The South Shore National Bank of Chicago is trying to find out. The bank managers believe that the more data they get from neighbors, the better the bank will be able to contribute to the economic development of the community. (Progress Reports published by Self-Reliance.)

Southern Rural Development Center
Box 5406
Mississippi State, Mo. 39762, U.S.A.

SRRT: Social Responsibilities
Roundtable (American Library Association)

Stanford Law School
Stanford, Calif. 94305, U.S.A.

State of Washington
Dept. of Natural Resources
Olympia, Wash. 98504, U.S.A.

Holger Stroh
Kirchhofstr. 7a
2 Hamburg 70, West Germany

Studsvik AB Atomenergi, Sweden
S-611-01 Nyköping 1
Sweden

Sunspark Press
Box 91
Greentleaf, Ore. 97445, U.S.A.

Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402, U.S.A.

Lee Swenson
c/o Farallones Institute
Fort Mason, Building 312
San Francisco, Calif. 94123, U.S.A.

Synopsis—Institut de Recherche Alternative
Route D'Olmet
F-34700 Lodeve, Hérault, France

Syracuse University Publications in
Continuing Education
107 Roney Lane
Syracuse, N.Y. 13210, U.S.A.

T

TAICH: Technical Assistance Information Clearinghouse

Tanzania Publishing House
P.O. Box 2138
Dar Es Salaam, Tanzania

Tapui Books
P.O. Box 806
Nelson, New Zealand
Mail order bookselling service covering books on alternative lifestyles, homesteading, spiritual quests, doing more with less, personal relationships, practical skills, energy and environment, social conscience.

Task Force on Alternative Library Publications
Social Responsibilities Round Table
American Library Association
60 Remsen Street, Apt. 10E
Brooklyn, N.Y. 11201, U.S.A.

Alister Taylor
P.O. Box 87
Martinborough, New Zealand

The Teachers
18 Garth Road
Bangor, Gwynedd
North Wales, U.K.

Teachers Community Printing and Publishing
18 Garth Road
Bangor, North Wales, U.K.

Technical Assistance Information Clearinghouse, TAICH,
200 Park Ave., South
New York, N.Y. 10017, U.S.A.

Technische Hogeschool Eindhoven
Buro Ontwikkelingssamenwerking

Postbus 513
Eindhoven, Netherlands

Technische Hogeschool Twente
Postbus 217
Enschede, Netherlands

Technology and Culture
Georgia Institute of Technology
Atlanta, Ga. 30332, U.S.A.

Technology and Development Institute
East-West Center
1777 East-West Road
Honolulu, Hawaii 96848

Technology Application Center
University of New Mexico
Albuquerque, N.M. 87131, U.S.A.

Tool
Maritskade 61A
Amsterdam, Netherlands

Towsend and Colesby
151 Leicester Road
Mountsorrel, Leics., LE12 7DB, U.K.

Tranet Transnational Network for Appropriate/Alternative Technology
P.O. Box 567
Rangeley, Me. 04980, U.S.A.

Transportation Alternatives
20 Exchange Place, Room 5500
New York, N.Y. 10005, U.S.A.

Turning Point
7 St. Ann's Villas
London W11 4RU England
A network of people mainly in Britain, North America, and Europe, who share the view that mankind is at a turning point. Wide range of concerns: environment, sex equality, third world, disarmament, community politics, direct democracy, and alternatives in education, economics, health, agriculture, etc. Conferences, seminars, newsletter.

Two Continents Publishing Group
30 East 42nd Street
New York, N.Y. 10017, U.S.A.

U

Underground/Alternative Press Service (UAPS)/Europe
22 Dane Road
Margate, Kent, U.K.

A copyright syndicate for alternative publications so that members can freely reprint each other's material.

Unemployment Skills Exchange, USE
Swarthmore Centre
Woodhouse Square
Leeds, W. Yorks, U.K.

A pilot project to link up unemployed people and others who have underused skills which they are willing to share. "By encouraging people to realise that their quality of life can be improved by imaginative use of their time when unemployed, it may actually encourage low paid workers or those in socially

useless and/or demoralising jobs to become unemployed." This is a reason why this project has difficulties in finding funds, but nevertheless it is getting off to a slow but solid start.

University of Florida
Energy Center
Gainesville, Fla. 32601, U.S.A.

University of Minnesota
Ag. Engineering Dept.
St. Paul, Minn. 55108, U.S.A.

University of New Mexico
Energy Information Center
Technology Application Center
Albuquerque, N.M. 87131, U.S.A.

University of Technology
Library Administration
Postbox 513
Eindhoven, Netherlands

Urban Information Interpreters
P.O. Box AH
College Park, Md. 20740, U.S.A.

U.S. Environmental Protection Agency and National Oceanic and Atmospheric Administration
401 M Street S.W., Room 2903
PM-213
Washington, D.C. 20460, U.S.A.

U.S. International Referral Center
PM-213
U.S.-EPA, Room 2902 WSM
401 M Street S.W.
Washington, D.C. 20460, U.S.A.

V

Mary Vance, editor,
Council of Planning Librarians
P.O. Box 229,
Monticello, Ill. 61856, U.S.A.

Video Exchange Society and Video Inn Library
261 Powel Street
Vancouver, B.C. V6A 1G3
Canada

Video Inn is an alternate community, videotape library/TV center: *Video Exchange Directory*, an annual, lists around 600 various noncommercial, independent video producers and groups around the world. Updated issue to appear February, 1978; Video Exchange is a barter system of video distribution promoted by the Society. They encourage producers to trade tapes through the mail, and have titles in their library which they can dub in exchange for new contributions of programs; *Video Exchange Tape Catalogue*: published July 1977, contains listings, descriptions, and production information on the approximately 200 tapes that the Video Inn is authorized to exchange. 48 pages, \$3 postpaid; free to producers listed or with an exchange; *Video Inn Videotape Catalogue* contains listings and basic information on all the tapes in the Video Inn Library. Copies are limited—available only to community groups, infocentres, resource people etc., locally.

VITA: Volunteers in Technical Assistance

Vocations for Social Change
107 South Street
Boston, Mass. 02111 U.S.A.

Volunteers in Asia
P.O. Box 4543
Stanford, Calif. 94305, U.S.A.

Volunteers in Technical Assistance, VITA

3706 Rhode Island Avenue
Mt. Rainier, Md. 20822, U.S.A.
ITDG develops more generalized solutions to problems. VITA responds to the specific and unique problems and situations in developing countries. Its organization is another example of effective low-cost operation. VITA acts as a clearinghouse linking more than 6000 volunteers in the U.S. to assistance requests from abroad: installing wind energy generating equipment for a Honduran village, advising on development of soap out of local Bangladeshi materials, or finding a commercial use for seaweed along the Indian coast. All by mail. Many years of experience are summed up in their available publications.

W

Wantok Publications
P.O. Box 1982
Boroko, Papua New Guinea

Peter Warshall
Box 42, Elm Road
Bolinas, Calif. 94924, U.S.A.

Washington and Lee University
Office of Publications
Lexington, Va. 24450, U.S.A.

The Washington Center
1717 Massachusetts Avenue N.W.
Washington, D.C. 20036, U.S.A.

Water Information Center
14 Vanderventer Ave
Port Washington, N.Y. 11050
U.S.A.

Watkins Bookshop
21 Cecil Court
Charing Cross Road
London WC2N 4HB, England

Watkins Publishing
45 Lower Belgrave Street
London SW1W 0LT, England

Jeff Weih
Health Link
Post Office Box 298
Elkader, Iowa 52043, U.S.A.

David Werner
P.O. Box 1692
Palo Alto, Calif. 94302, U.S.A.

WHO: World Health Organization

Whole Earth Catalog
Box 428
Sausalito, Calif. 94965, U.S.A.

Whole Earth Epilog
Box 428
Sausalito, Calif. 94965, U.S.A.

Whole Earth Truck Store
c/o Zen Center
300 Page Street
San Francisco, Calif. 94102, U.S.A.
The Whole Earth Truck Store was established when there was no need for a mail order service for *Whole Earth Catalog* subscribers. Since 1968 the mail order service has provided books, tools, and access information to a great number of people. WETS now operates independently from, but cooperatively with, the editors of the *Last Whole Earth Catalog*, *Whole Earth Epilog* and *CoEvolution Quarterly*. WETS is a mail order house for items listed in these publications when stated available from WEARTH and also for books listed in *Energy Primer*. They are listed with a reference as to where the review and page number of each appears. They also provide books which are not in the booklist because they have not been reviewed in the above mentioned publications.

Windworks
Box 329
Route 3
Mukwonago, Wis. 53149, U.S.A.

Josef W. Lutjes
Literarisches Informationszentrum
Bahnhofstrasse 42
4250 Bottrop, West Germany

Women's History Research Center
2325 Oak Street
Berkeley, Calif. 94708, U.S.A.
They maintain an international women's history archive of the present women's movement and a topical research library. 2000 topical areas. A catalog (200 pages) of their current holdings.

Women in Distribution, WIND, Inc.
P.O. Box 8858
Washington, D.C. 20003, U.S.A.
Their *Catalogue 1977-1978*, 59p., handles over 400 titles—books, records and cards by women. Most titles are produced by "small" presses. WIND was set up to act as liaison between the retail outlet or library and the publisher.

Women's Yellow Pages
c/o Berkeley Women's Center
2112 Channing Way
Berkeley, Calif. 94704, U.S.A.

Woodcraft Supply Corp.
313 Montvale Avenue
Woburn, Mass. 01801, U.S.A.

World Future Society
4916 St. Elmo Avenue
Bethesda
Washington, D.C. 20014, U.S.A.

World Health Organization Publications
Distribution and Sales Service
1211 Geneva 27, Switzerland

World Health Organization Publications
Q Corporation
49 Sheridan Avenue
Albany, N.Y. 12210, U.S.A.
(U.S. distributor)

World Institute Council
777 United Nations Plaza
New York, N.Y. 10017, U.S.A.

Worldwatch Institute
1776 Massachusetts Avenue N.W.
Washington, D.C. 20036, U.S.A.

Writers and Readers Publishing Co-operative
14 Talacre Road
London NW5, England

Y

Yes Bookshop
1035 31st Street, N.W.
Washington, D.C. 20007, U.S.A.

Yes! Inc.
1035 31st Street, N.W.
Washington, D.C. 20007, U.S.A.

The Youth Project
149 Ninth Street
San Francisco, Calif. 94103, U.S.A.

Z

Zephyros Education Exchange
1201 Stanyan Street
San Francisco, Calif. 94117, U.S.A.

Zomeworks Press
P.O. Box 712
Albuquerque, N.M. 87103, U.S.A.

V Subject Index, Including the Names of Co-authors, Agencies, and Some Titles

In this index I have listed in one alphabet names of all co-authors; selected titles (mostly when a book is best known by its title rather than by its author or editor); and subject headings, mainly by the terms used within the literature examined.

First authors are alphabetically listed in Part II; they are not repeated in this index.

Numbers refer to entries, not pages. Those in regular typeface correspond to Part II; those in **bold** refer to periodicals in Part III.

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