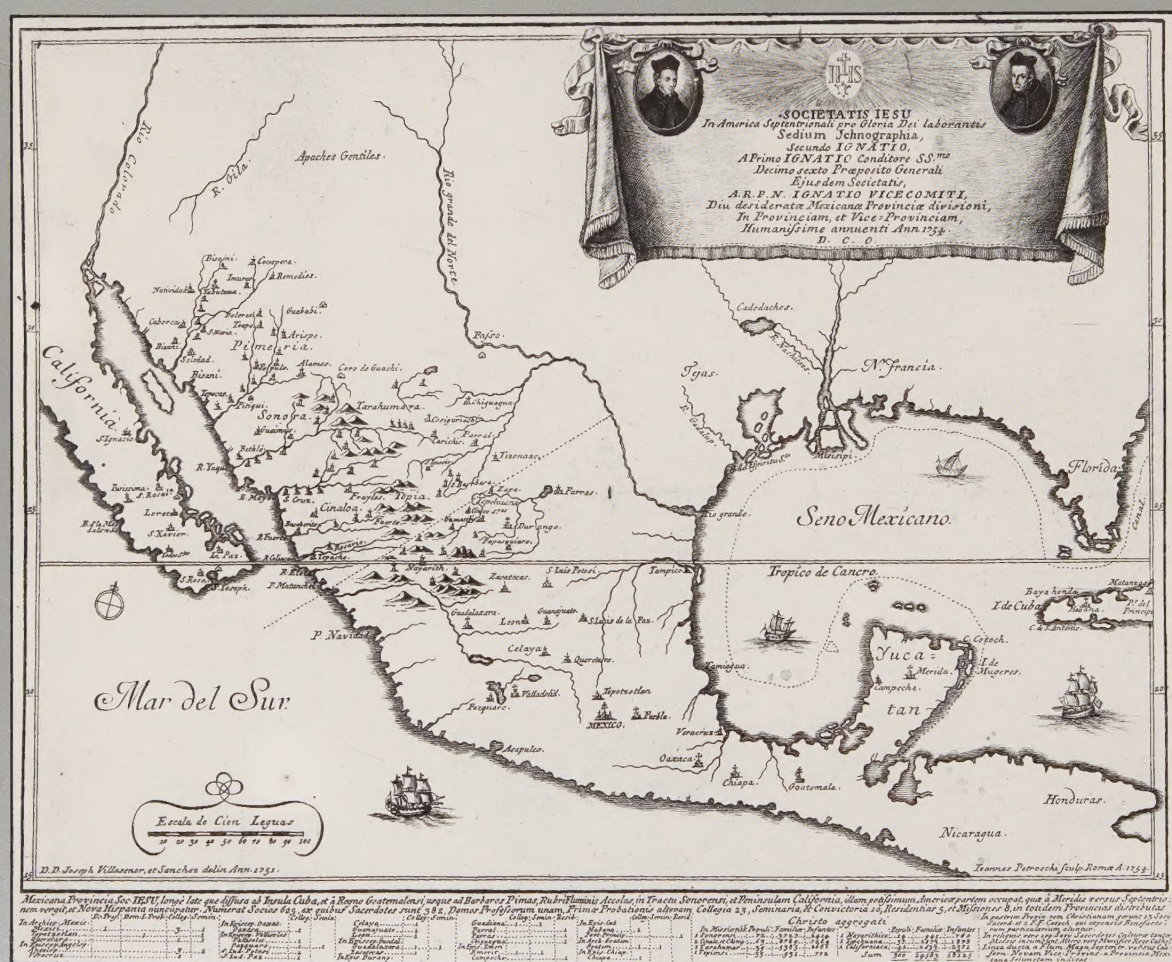
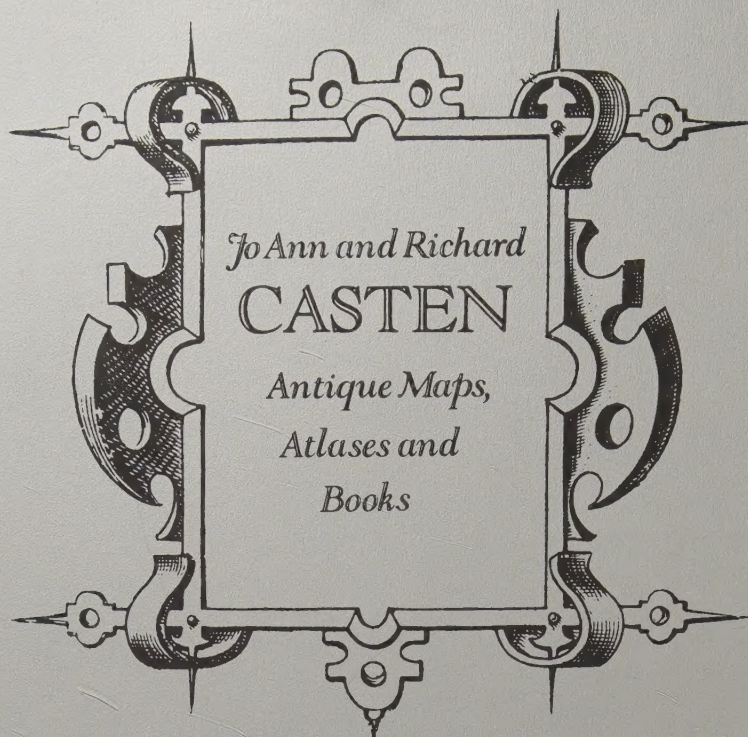


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Issue No. 30

THE MAP COLLECTOR

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Rare Jesuit Map of California, Texas and the Southwest, drawn in the New World, 1754.

RARE AND IMPORTANT MAPS OF THE WORLD, AMERICA, HOLY LAND AND ASIA

Exhibiting at the 1985 New York Antiquarian Book Fair





THE MAP COLLECTOR

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The frontispiece of *Le Neptune Francois*, richly decorated with maritime allegory, incorporates the Royal fleur de lys of Louis XIV, patron of this enterprise. Originally published in 1693, the charts in this first French sea atlas were to be reissued intermittently for a century while being closely imitated in Amsterdam (By courtesy of Robert Douwma Prints and Maps Ltd).



Valerie G. Scott

Editorial

CALLING ALL DEALERS! 'The Map Collector' and the 'International Map Collectors' Society' are combining their expertise to produce an international 'Directory of Dealers' and in order to make this as comprehensive as possible we need your help. Included with this issue of the magazine you will find a form for you to fill in with details of your business – address, telephone number, whether you issue catalogues and how much you charge for them, your specialisations, opening hours and any other information you feel is relevant. By you personally providing the details we hope the margin for error will be cut to a minimum. Even if you only deal from home or by post do let us know if you wish to be included. If everyone returns the form promptly and passes word on to any dealers who are not subscribers to the magazine we should be able to have the booklet ready by the end of the year. There has long been a need for an up-to-date listing and we hope to make this pocket-sized for the convenience of travellers.

The omens for collectors look promising for 1985. There is a host of auction sales (particularly in March), book fairs and map fairs on the horizon and, it has to be said, our subscribers across the atlantic must be rubbing their hands in glee over the slide of the pound. In one auction report for the year 1984 on market trends they say, 'the last twelve months have confirmed the trend toward a full-scale revival in the market for printed books.' As readers can see from Collectors' Barometer one single-owner sale on 1 February, 1984, realised £2,209,100 for 59 lots. Record prices were achieved for Audubon's *The Birds of America* at £1,100,000; an Ottens' composite atlas at £96,800; Ortelius' *Theatrum Orbis Terrarum* fetched £63,800, and Roberts' *The Holy Land* realised a mere £85,000!

I thought you would also like to know that Mr. Roland Tooley, our associate editor, very kindly awarded his quarterly prize to Dr. Gwyn Rowley of Sheffield University for his article in the last issue entitled 'An Introduction to Fire Insurance Plans' Mr. Tooley wrote, 'Excellent in every way – informative and opens up a field previously unknown to the majority of map enthusiasts. Also, beautifully illustrated'.

I am the chairman for the International Map Collectors' Society's special symposium at the National Maritime Museum in Greenwich this June (see news page for details) and hope to see as many people as possible there. We are hoping to travel up-river by boat with a bar (swimming will be strictly prohibited!). Special articles on the cartographic collections at the NMM will appear in the June issue to mark the occasion.

Included in our Collectors' Barometer this issue is a selection of early county maps sold in auction recently. This should prove an invaluable price guide for county collectors.

Valerie G. Scott

The Social Maps

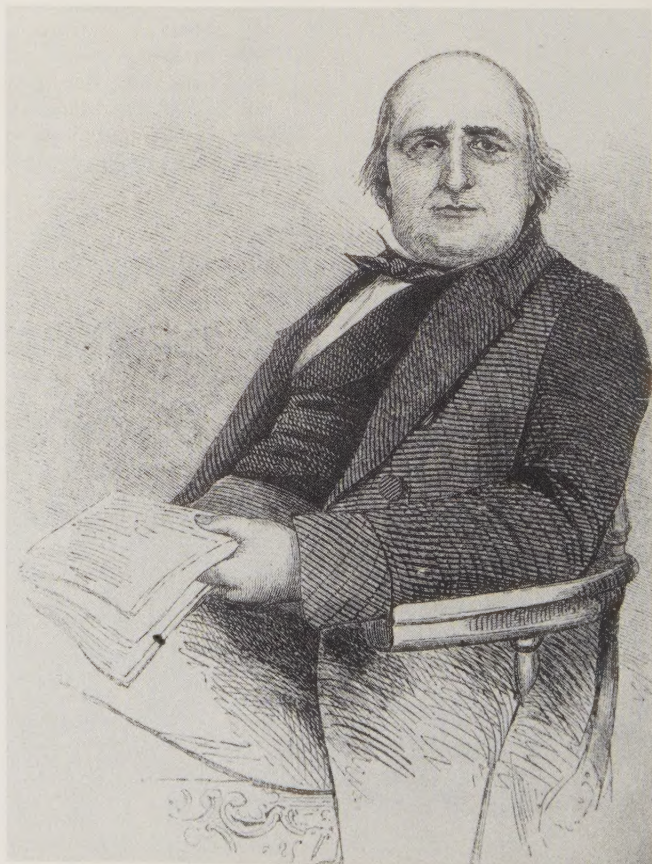
by David Smith

Thematic maps are attracting far more interest today than they have done in the past and this article by David Smith, keen map collector and author of 'Antique Maps of the British Isles', breaks new ground in discussing a curious variation from the established path of sociological mapping. Mayhew's nineteenth century maps covered not only subjects like marriage, illegitimacy and crime but also rape, bigamy, brothel-keeping and even abortion!

HENRY MAYHEW'S vast, jumbled, repetitive, frank, and indescribably rich account¹ of London's street folk, 'A cyclopaedia of the condition and earnings of those that will work, those that *cannot* work, and those that *will not* work', originated in a series of letters published in the *Morning Chronicle*. The study subsequently appeared 'in twopenny numbers', before the first volume proper was published in 1851. It was subsequently reissued in 1861, 1862, 1864 and 1865 with abundant additions and supplementary volumes. In 1862 an 'Extra Volume' was added covering prostitutes, thieves, swindlers, and beggars. These 'Dangerous Classes of the Metropolis', had slipped down the greasy pole of poverty into a mire of petty crime and 'vice' which seemed to challenge ordered society and its binding fabric of laws, morals, and taboos. Appended to this volume were 'maps and tables illustrating the criminal statistics of each of the counties of England and Wales in 1851', 'graphically showing the extremes of vice and crime'. These maps were both an uncharacteristic departure for Mayhew and a curious variation from the established path of sociological mapping.

Mayhew's checkered early life suggested little aptitude for either social study or cartographic analysis. He eventually settled to a literary and journalistic career, writing mainly ephemeral works including drama, novels, biography, short stories, travel books, and articles on all manner of subjects, and being for a time joint editor of *Punch* with Mark Lemon. As an

Below:
Henry Mayhew (By courtesy of Chris Pye).

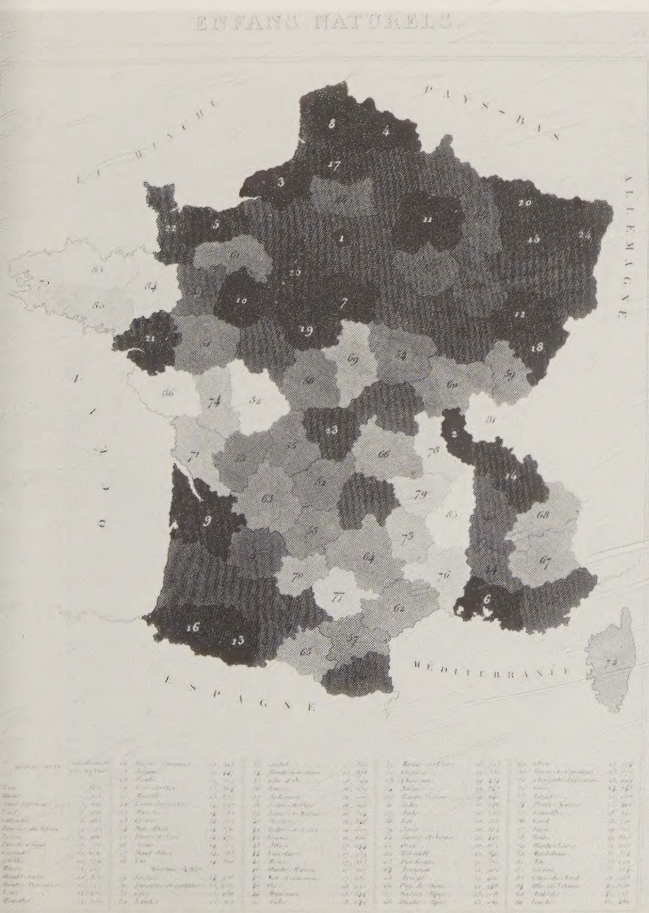


of Henry Mayhew



ove:
 conventional morality hardly penetrated the world of the 'Dangerous Classes' whose lifestyle seemed to challenge ordered society and its binding fabric of laws, morals and taboos. Despite its condemnation of the crimes and 'vice' of the poor, the Victorian middle class was ever curious about the 'low' life. 'Decent' society experienced a confused, horrified fascination when presented with images of the debauchery of the lowest classes such as portrayed in Mayhew's illustration of 'The Kitchen, Fox Court Gray's Inn Lane' (by courtesy of the British Library).

Below left:
 The *Essai sur la statistique morale de la France*, published by André-Michel Guerry in 1833, was one of the pioneering studies of moral statistics. The essay contained both shaded distribution maps and tables of data concerning crimes against people and property, instruction, illegitimate children, donations to the poor, and suicides. His map of the distribution of 'Enfants Naturels' was accompanied by a table with the 'départements' listed in rank order, the ranks being noted on the map (By courtesy of the British Library).



active and enterprising philanthropist, who established for example, an association for the reformation of criminals, the ever curious and compassionate Mayhew predictably produced his greatest work describing the colourful but sordid life of the urban underdog, examining in unprecedented depth 'the industry, the want, and the vice of the great Metropolis'. There is nothing in Mayhew's history to suggest cartographic training but it was not beyond his wit to devise simple maps to accompany his study, possibly with the help of the three industrious co-writers of the 'Extra Volume', Bracebridge Hemyng, Andrew Halliday, and the perceptive John Binny. It is unclear who actually prepared the maps for all are unsigned and there is no textual reference to their engraver whose work compares rather unfavourably with other contemporary cartographic wood engraving.

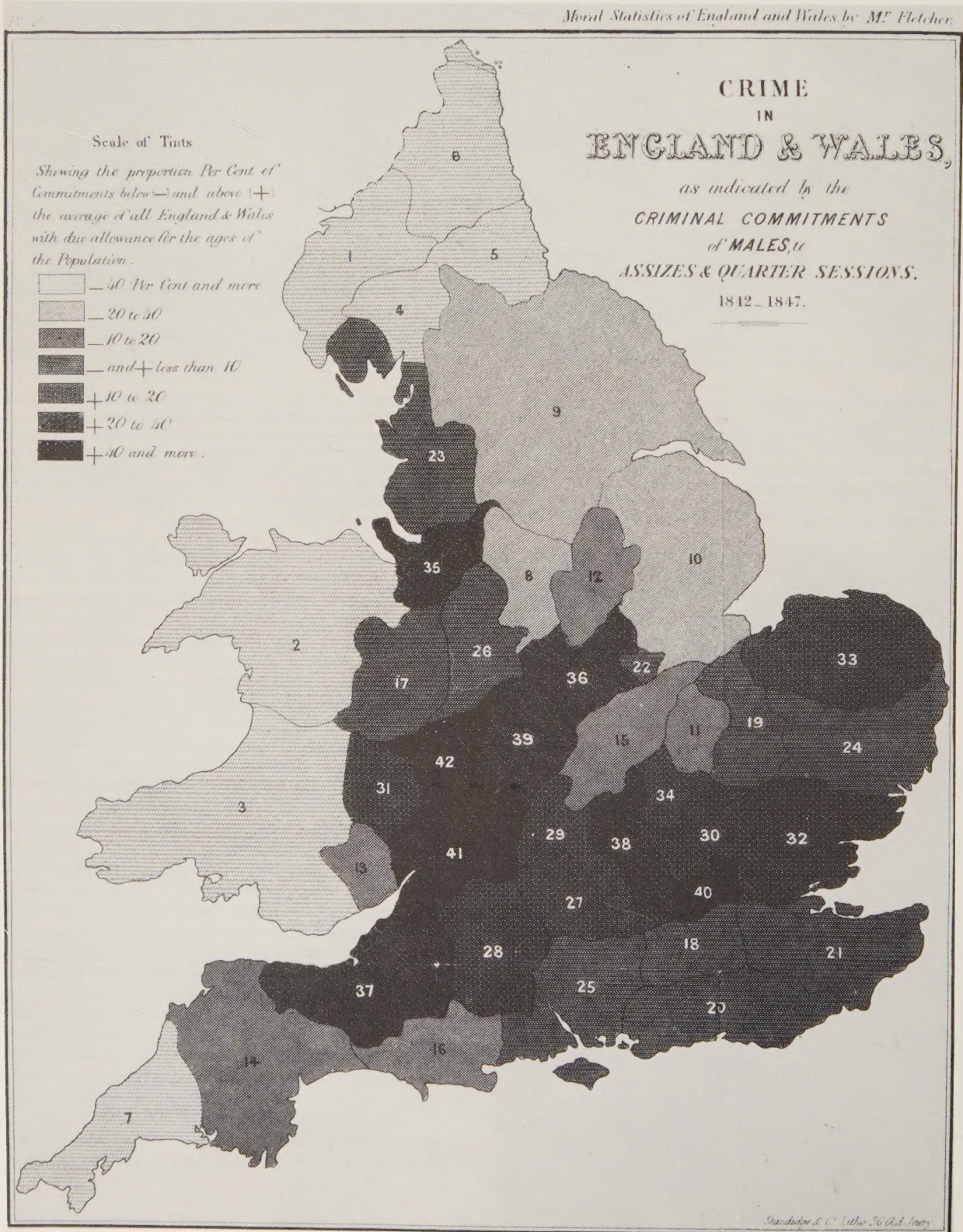
It is not surprising that Mayhew should have decided to add these thematic maps to his study of 'the Dangerous Classes' – both a phrase and a notion enjoying a good deal of currency among the anxious majority. The Great Exhibition of 1851 had established a tradition of map production, including thematic maps, both specifically for and in celebration of the event, and it may be that Mayhew's maps were similarly designed to coincide with the International Exhibition of 1862. More likely, as a social investigator and impassioned statistician, Mayhew had almost certainly come across the growing volume of cartographical analysis of 'moral statistics'. This term had first surfaced in 1833 in André-Michel Guerry's *Essai*² on the 'statistique morale' of France, which had included, amongst other things, a study of illegitimacy. From the mid-1820s, Dupin, Balbi and Guerry, and Quetelet, mapped social

statistics, particularly of crime and education, in an effort to establish meaningful relationships, notably between morality and 'instruction'. Guerry's *Essai* was followed by a similar study of the Netherlands by Greg in 1835, presented in a paper to the British Association and reported in the *Proceedings of the Statistical Society of London*³, and in 1836 d'Angeville published sixteen thematic maps of France⁴ including representations of crime and 'instruction'. Inevitably these developments spread across the Channel, persuading Prince Albert of the efficacy of representing social traits in cartographic form. The Prince Consort's suggestion to Joseph Fletcher, the statistician, that his 'Moral and Educational Statistics of England and Wales', also published by the Statistical Society of London⁵, should be illustrated by thematic maps was adopted with alacrity. A

Mayhew was undoubtedly influenced by studies of the moral and educational statistics of England and Wales made by Joseph Fletcher which appeared in the *Journal of the Statistical Society of London*. Fletcher's distribution map of male crime divided the counties into seven shaded classes showing 'the proportion Per Cent of Commitments below - and above + the average of all England and Wales with due allowance for the ages of the Population'. 'Crime in England and Wales, as indicated in the Criminal Commitments of Males, to Assizes and Quarter Sessions, 1842-1847' published in *Moral Statistics of England and Wales* by Mr. Fletcher, lithographed by Standidge & Co., 1849 (By courtesy of the British Library).

second edition⁶, appeared just two years later in 1849 containing twelve maps including population dispersion, ignorance, crime, improvident marriages, and bastardy. As a practising social scientist, Mayhew would have become familiar with these developments in statistical mapping and in particular with their application to some of his special interests such as marriage, illegitimacy, crime and education.

Fortunately, in England and Wales, increasing quantities of social data were rapidly becoming available to the social scientist as the terrible effects of urbanisation on people's health and way of life in the first industrial nation were realised and recorded. In Engels' view 'the annual criminal tables of the Home Secretary' proved that 'the British nation has become the most criminal in the world'⁷. In studying the 'most criminal' city



that 'most criminal' nation, Mayhew could not avoid being lured into emphasising 'vice', believing that reform would come through investigation and understanding rather than from the pressure of the merciless contemporary moral code. The life of the poor in Disraeli's polarised 'two nations' – 'ordered by different manners and . . . not governed by the same laws'⁸ – was a world into which accepted middle class ideas and values of current behaviour hardly penetrated. The uncontrollable burden of existence for the powerless poor rendered conventional morality meaningless, but created a world all too attractive to social investigators and their prosperous readers. No wonder, then, that Mayhew should have attempted some cartographic analysis of 'criminal statistics' in line with current developments in social research and thematic mapping. However, the topics which he chose to map not only covered the additional themes of marriage, illegitimacy, crime and education (some of which were distinctly uncriminal), but also ventured into an area of marital and sexual 'crime', virtually ignored elsewhere, by his mapping of such indelicate topics as rape, carnal abuse, bigamy, brothel keeping, abduction, paedophilic assault⁹, and abortion¹⁰.

Undoubtedly, these unfamiliar themes were a valid area for investigation and badly in need of illumination. It was not only wealth that there were 'two nations', but also in sexual morals and behaviour. In contrast to 'respectable' morality with its wish of feminine purity and intolerance of unlicensed sexual pleasure, notions of marriage amongst the poor tended to be hasty, the bond loose, and common law marriage widespread. Pregnancy occurred frequently before marriage and illegitimate children were tolerantly accepted and easily assimilated into the mother's family – this indiscriminate sexuality being hardly surprising given conditions where seven or eight slept in a single room.

Although middle class morality proscribed talk of sexual matters, at least in mixed company or in front of the children, and it was felt that it was best on the whole to be ignorant of them, there was, nevertheless, a distinctly in-puritan obsession with any fall from grace. The subcutaneous lust of 'respectable' Victorian society generated vigorous interest in the indecent details of the widely reported divorce proceedings; created a lively and well advertised trade in pornography; and conceived an astonishing level of unconcealed commercial sex. (NB The extent and importance of open prostitution in Victorian life seems, to the modern mind, quite extraordinary before 1885 when the Criminal Law Amendment Act forced it undercover). This prurient curiosity in the low life of the poor, in which prostitution, illegitimacy, and other 'vice' were common, combined with the subjects and simplicity of Mayhew's maps suggests an element of titillation in the motive for their inclusion, as is also the case with some of the pictorial illustrations and the colossal opening chapter on the history of boredom throughout the world!

Such a conclusion is probably grossly unfair to Mayhew but, in truth, his maps reveal little. They are simple in the extreme and consist only of county outlines with the county named and a note of the county's average population density, criminality, illegitimacy rate, rapes, and so on (usually calculated for the ten-year period 1841-50 or, where shorter, for 'as long as the returns will allow'). Although Mayhew's study was of London, his appendix covered the whole of England and Wales. Clearly the statistical data was not sufficiently detailed to allow him to devise satisfactory social maps of the city such as those brilliantly constructed from his own, very different, enquiries by the more methodical Charles Booth at the end of the century¹¹. In any case, had he mapped London rather than England and Wales as a whole it would have proved prodigiously expensive in comparison and since all the evidence points to a calculated cutting of costs in the preparation of the maps, Mayhew would probably not have mapped the capital even if the data had been available.

Each map is derived from accompanying tables of complex statistics (typical of the vast, ingenious, often preposterous tables introduced by Mayhew at every opportunity) in which the figures are given for each county in alphabetical order and the counties are listed in rank order either above or below the



and Fletcher, who marked the rank numbers on their maps. Mayhew noted the actual averages, but he probably followed their lead in giving tables of statistics in alphabetical order and in rank order. Fortunately, Mayhew's maps did not establish a precedent of two-category analysis for in 1864 Guerry's sophisticated comparison of the moral statistics of England and Wales and of France again used a variety of shading to denote geographical differences¹².

Fletcher had compared his lithographed maps in the search for relationships between the themes, deducing a positive correlation between morality and education. As a serious social scientist, Mayhew also sought conclusions from his data but, unlike Fletcher, his relationships were derived solely from the statistics and his maps do little to support them, often tending to undermine them instead. Of his conclusions, Mayhew's maps support tolerably well the theses that:

- a 'in those counties in which the number of females, in proportion to the males, is the *smallest*, the number of illegitimate births is the *greatest*, and where it is the *greatest*, the illegitimate births are the *smallest*', and;
- b 'the number of Disorderly Houses is the *least* in those Counties where the number of illegitimate Births is the greatest, and, *vice versa*, the *greatest* where the Illegitimates are the *least*'.

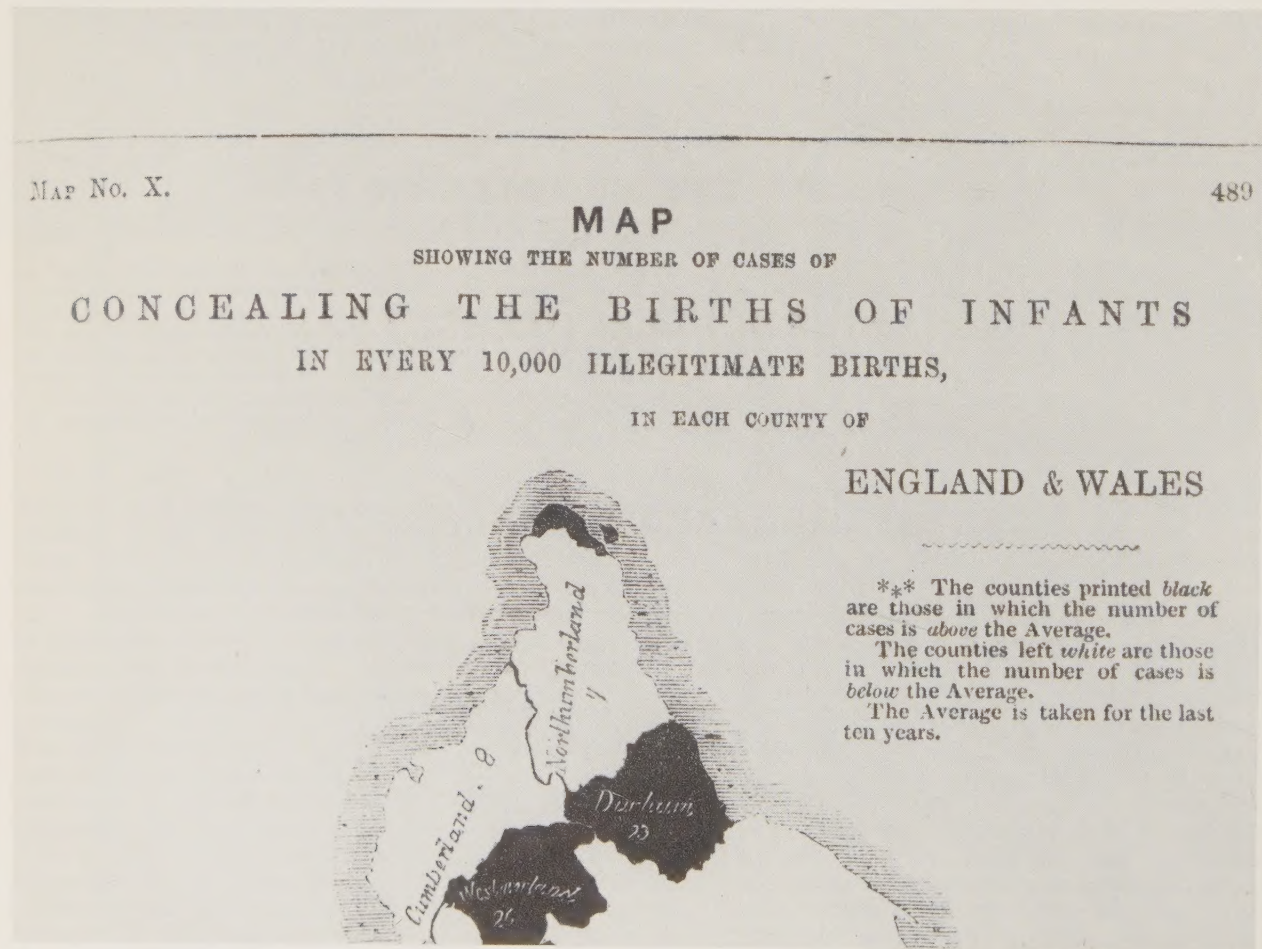
However, his eight other conclusions in the appendix are only poorly supported by his maps, if at all. They fail to buttress his conjecture of a positive relationship between criminality and population density, marriage-age of males and females, early marriage and illegitimacy, carnal abuse of children and rape, and of an inverse relationship between ignorance and density, rape and illegitimacy, rape and female population, and carnal abuse and female population. In fairness, the conclusions are generally so self-evident that it may never have been Mayhew's intention to corroborate them cartographically, the maps merely being gratuitously offered as just another interesting means of

representing the data. That they were ineffective is perhaps not a criticism that Mayhew would have accepted.

Mayhew's maps are characteristic of the many, generally inconsequential, cartographic illustrations which appeared in nineteenth-century works, particularly such topical, popular productions as periodicals, serial publications, educational tracts, encyclopaedias, and newspapers. These impressions in black line on a white ground were printed from a relief image cut on the polished cross-section or end-grain of a close-grained wood, usually boxwood, by traditional engraving tools. The maps display many of the problems of reproduction from wood with inking of wide, unbroken areas uneven, weak and sometimes clearly revealing the grain of the wood; with heavy offsetting corresponding with strong inking; with inking of detail frequently being very weak or even non-existent; with ink sometimes polluting areas to be printed white; with evidence of at least one repair or correction to a woodblock shown by a white scar across the Land's End peninsula; with the crude wood-engraved lettering frequently being illegible; and with a paucity of detail and an overall exaggerated simplicity.

It is perhaps surprising that this tedious mode of production, requiring great skill and patience to achieve comparatively disappointing results, should have been adopted. Other methods might well have served Mayhew's purposes better since wood engraving was more or less bereft of the refined uniform tones, subtle shading, and tonal variation so necessary for the effective portrayal of rankings, quantitative variations, and any sophisticated analysis of statistical averages generated by systematic census. With great labour and difficulty Mayhew's engraver could only manage a crude shading of the coasts which compared most unfavourably with the complex line and dot patterns produced mechanically on the engraved plate. Similarly, wood engraving had no equivalent to the chemically-produced tones of engraving or the crayon shading of lithography. A different method of production could have used

Mayhew's maps were verbosely titled and surrounded by explanations of the shading and the calculation of the average, the map and page number, and usually a statement of pertinent averages. This information was printed from type embedded in slots in the woodblock, cut probably by the slot-cutting machine which had been developed earlier in the century.



shaded tones to portray variation among the averages, as Thomas Larcom had done in his remarkable copper-engraved, shaded, statistical maps of literacy rates, population density, standards of house accommodation, and livestock values which appeared in the 1841 census of Ireland¹³. That Mayhew chose not to follow the examples of Larcom, d'Angeville and Fletcher rendered his maps and, thus, his cartographic analysis of complex social statistics, over-simple since their interpretation became literally black-and-white, with black representing counties with averages above the mean and white with those below.

Hand colouring might have effectively differentiated between percentage departures from the mean but this would probably have been too expensive for an avowedly popular study and Mayhew would have been unwilling to introduce colour into a work which had been consistently monochrome, particularly as the maps seem to have been merely a postscript to a volume which was itself an afterthought. In order to maintain the character of the work's pictorial illustrations it was necessary to have the maps engraved on wood with titles and other marginal information printed from type embedded in slots in the woodblock. This extensive marginal information, consisting of verbose title, explanation of shading and the calculation of the average, map and page numbers, and usually a statement of pertinent averages, sometimes required a slight reorientation of the map to provide space for its inclusion. Despite the logic of Mayhew's choice of wood engraving for his maps, it seems clear that it was adopted as the method of production simply because it was the cheapest; a view reinforced by the obvious economy in the choice of engraver.

The social maps which appeared in Mayhew's *London Labour and the London Poor* are a strange episode in the cartographic history of 'moral statistics', concentrating as they do on salacious themes, which doubtless fed the Victorian imbroglio of puritan repression and libidinous obsession. Yet the maps alone reveal little, reinforcing only a very few of the conclusions derived from their accompanying statistics and representing a retrograde step in the development of the thematic mapping of social data. They are too crude to be effective, failing to reveal either the relationship between high general crime rates and large concentrations of working class population in such counties as Lancashire and Middlesex, or the detailed pattern of incidence of their specific subject matter. Consequently, Mayhew's set of social maps could not establish any meaningful geographical correlation between the constituents of what Lord Shaftesbury identified as 'discontent, malignity, filthy and vicious habits, beastly thoughts and beastly actions'¹⁴. They were some of the last and some of the least significant of a dying breed of thematic map which sought to establish regional variation for social phenomena; henceforth, interest turned to sociological interpretation rather than the analysis of geographical difference.

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 Benjamin Disraeli, *Sybil, or the two nations* (London, 1845).

- 9 Sexual intercourse was illegal with a girl less than twelve years old until 1875 when the age was raised to thirteen.
 10 The complete appendix of Mayhew's social maps comprises:
 (i) Map showing the number of persons to every 100 acres; or the density of population in each of the counties of England and Wales in 1851.
 (ii) Map showing the number of criminal offenders to every 10,000 of the population; or the intensity of the criminality in each county of England and Wales.
 (iii) Map showing the number who signed the marriage register with marks in every 100 persons married; or the intensity of ignorance in each county of England and Wales.
 (iv) Map showing the number of illegitimate children in every 1000 births in each county of England and Wales.
 (v) Map showing the number of early marriages amongst males in every 1000 marriages in each county of England and Wales.
 (vi) Map showing the number of females to every 100 males in each county of England and Wales.
 (vii) Map showing the number of persons committed for rape in every 10,000,000 of the population, in the several counties of England and Wales.
 (viii) Map showing the number of persons committed for carnally abusing girls between the age of ten and twelve years in every 10,000,000 of the population, in the several counties of England and Wales.
 (ix) Map showing the number of persons committed for keeping disorderly houses in every 10,000,000 of the population, in the several counties of England and Wales.
 (x) Map showing the number of cases of concealing the births of infants in every 10,000 illegitimate births, in each county of England and Wales.
 (xi) Map showing the number of proved cases of attempting to procure the miscarriage of women in every 10,000 illegitimate births, in the several counties of England and Wales.
 (xii) Map showing the number of persons committed for assaults, with intent to ravish and carnally abuse, in every 1,000,000 of the population, in the several counties of England and Wales.
 (xiii) Map showing the number of persons committed for bigamy in every 100,000 marriages, in the several counties of England and Wales.
 (xiv) Map showing the number of persons committed for abduction in every 10,000,000 of the male population, in the several counties of England and Wales.
 (xv) Map showing the criminality of females in every 100,000 of the female population, in each county of England and Wales.

- 11 Charles Booth, *Labour and life of the people* (London, 1889-91), and *Life and labour of the people in London* (London, 1892-7, 1902-3).
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Acknowledgements:

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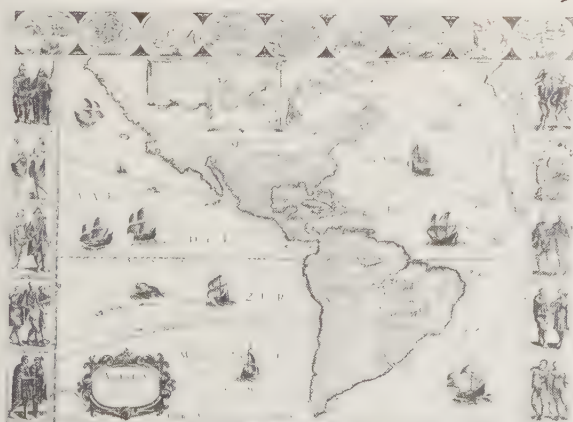
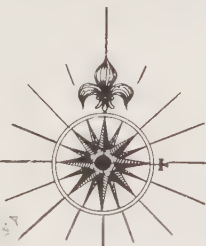
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The Irish Charts in 'Le Neptune'

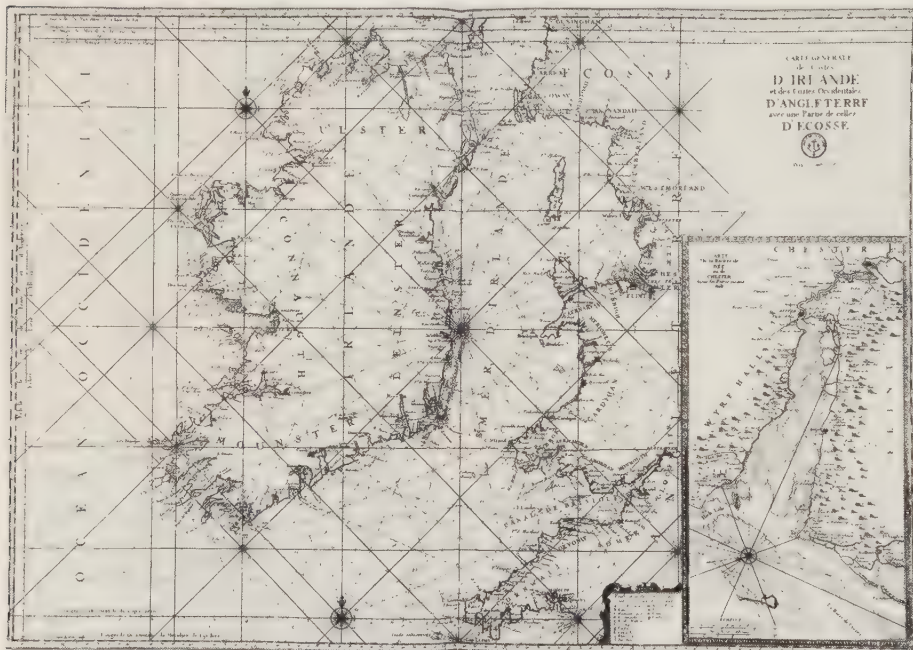
by R. S. J. Clarke

The author of this article is a Professor of Clinical Anaesthetics at Queen's University, Belfast, and has been collecting Irish maps for about ten years with particular emphasis on sea charts. He hopes eventually to compile a complete list of Irish charts up to 1800. He is also a copyist of gravestones in Northern Ireland and has published, in conjunction with the Public Record Office, twenty-four volumes of these records. Here he discusses the Irish charts in the first French atlas of sea charts, 'Le Neptune Francois', and describes them in detail for the benefit of collectors.

FRANCE DID NOT enter the field of marine cartography until a century after Waghenauer's chart of south-east Ireland was published in his *Thresoor der Zeevaart* in 1592. In the intervening years all the Dutch marine cartographers such as

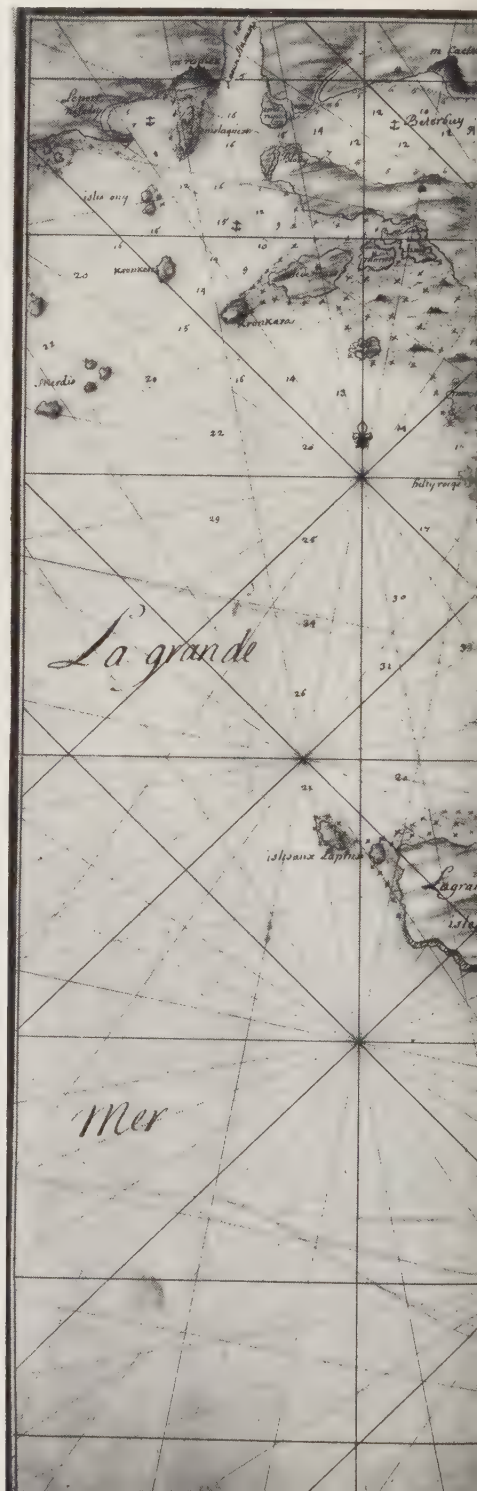
Blaeu, Colom, Doncker, Goos, Jacobsz, Jansson, van Keulen, van Loon and Robijn, produced their sea atlases covering the whole coast of Ireland in one or many sections. However, it is difficult to discover their sources and in general one copied the other. The most blatant of these was Jansson with his *Het Licht der Zee-vaert*, differing only in decorative material from the Blaeu volume.

The first French sea atlas appeared in 1693 under the title of *Le Neptune Francois* with larger and more detailed charts than most of those produced by the Dutch. The volume was published in Paris, under the patronage of Louis XIV, but unfortunately for descriptive purposes, no one cartographer was responsible. The principal editor was Charles Pene, who had the assistance of Sauveur and de Chazelles, as well as many French



Above: This chart of the whole of Ireland, with an inset of Chester and the Dee Estuary, was included with two other regional charts in *Le Neptune Francois*. The addition of both the Dépôt de la Marine stamp and the price identify this as coming from the 1773 edition (By courtesy of the author).

Below and right: Two of the Irish charts were based on earlier Dutch engravings, but fresh surveys were commissioned for the Shannon Estuary and Galway Bay for military reasons in 1690. Galway Bay was surveyed by the hydrographer Monteguy and the original drawing (right) corresponds to the northern half of the published chart (below), engraved by C.A. Berey for the 1693 edition of the *Neptune* (Manuscript reproduced by courtesy of the Département des Cartes et Plans, Bibliothèque Nationale, Paris; engraved chart by courtesy of the author).



'Francois': Their Sources and Influence

urveyors such as de la Voye and Duchon¹.

The atlas has three charts covering the coast of Ireland. The first, oriented east, has only the northern one-third along with the Western Isles of Scotland as far north as Rockall ('Carte de la Mer d'Ecosse . . . et les Costes Septentrionales d'Irlande'). The second is a general chart of all Ireland and the Irish Sea, oriented north at the top, and with a large inset of the Dee estuary as far as Chester and Holt. ('Carte generale des Costes d'Irlande, et des Costes Occidentales d'Angleterre . . .'). It includes the engraver's name, 'H. van Loon'. The third chart covers only Galway Bay and the Shannon estuary as far as Limerick ('Carte particuliere des Costes Occidentales d'Irlande qui comprend la Baye de Galloway et la Riviere de Lymerick'). The inclusion of such a detailed chart of the west of Ireland is

somewhat surprising. It is oriented east and on a scale of 1:150,000 really only covers the central part of the west coast, with its two harbours. It has a large inset of the Kinsale area at the top and the engraver's name, 'C. A. Berey', in the bottom left.

The detailed history of the volume, and the sources of the individual charts, are given in the preface to Bellin's edition of 1753. Here it is explained that the first two Irish charts are based on earlier Dutch publications, but that the third is the result of two surveys ordered by the French Ministry of Marine in 1690. Lieutenant Lambely, hydrographer, in a light frigate, surveyed the Shannon estuary and M. Monteguy surveyed Galway Bay. In 1753 the original manuscript charts were in the Dépôt de la Marine, but they were later transferred to the Département des





Lieutenant Lambely was the hydrographer responsible for this rather more decorative survey of the Shannon Estuary, which is oriented with south at the top (By courtesy of the Département des Cartes et Plans, Bibliothèque Nationale, Paris).

cartes et plans of the Bibliothèque nationale, where they may still be seen.

The manuscript chart of Galway Bay measures 49.5×67.5 cm ($19\frac{1}{2} \times 26\frac{1}{2}$ in) and corresponds exactly to the northern half of the printed chart. All the coastal area as far out as the Aran Islands has frequent soundings, and there is an explanation of the symbols which indicate rocks covered at high tide, landing places and anchorages, as well as sources of fresh water and wood. The chart is essentially plain with only a descriptive title in a rectangular frame. One feature of interest is that the outermost islands of the Aran group, now known as 'Brannock Islands', are named the 'Isles aux Lapins', a name later taken up by the English copyist, presumably without understanding its meaning.

The chart of the Shannon estuary is long and narrow (66×238 cm/ $26 \times 93\frac{3}{4}$ in), covering only the channel and immediate coast. It is oriented with south at the top for no clear reason, but again has symbols for landing places and so on, and marks defensive features such as the 'Chateau de Carrigenell'. This chart is rather more decorative, showing many small ships in the river and two mermaids with spears flanking the title. The survey stops short of Loop Head, and it is notable that the Clare coast in the printed chart, not covered by either survey, has no soundings marked.

The exact motivation for the survey must be seen in the context of the continuing war between William of Orange and France. James II, after some successes in Ireland, was in retreat, Londonderry having fallen in July 1689 and Schomberg, King William III's Huguenot general, having landed a fortnight later with 10,000 men. During the winter of 1689-90 there was little campaigning but James, though jealous of French influence, accepted Louis' offer of French troops in exchange for Irish. In March 1690 Lauzun arrived in Kinsale with 7,000 French troops, well armed and supplied, and it is notable that Kinsale is shown in the inset to the Galway-Shannon chart.

It is not known in which month the survey was made, but presumably after the winter storms of January and February and in preparation for further landings. Even after his defeat at the Boyne in July 1690 King James was in control of the west and a naval vessel would have had no difficulty in carrying out

the survey. Lauzun and his troops were recalled by Louis during late 1690 but in May 1691 a new commander, St Ruth, was despatched with arms, supplies and money. However, they were really too late and after the defeat at Aughrim and the surrender of Limerick, a French fleet carried their troops back to France later that year. The survey therefore did contribute to the French campaign of 1690-1 though this proved to be ineffectual in the end.

The most confusing feature of the French *Neptune Francois* is that in the same year as its official publication in Paris, Pierre Mortier of Amsterdam had all the plates re-engraved for a pirated edition, issued jointly with the Parisian bookseller,

Below and below right:

One of the clues in the confusing history of *Le Neptune Francois* is the watermark – a double-headed swan and the name 'Bycolombier' – which distinguishes the original Paris printings from copies produced in Amsterdam (By courtesy of the author).





Hubert Jaillot². The text element is small in this atlas but Dutch, French and English printings of the pirated edition were issued. The coastal outlines and geographical aspects of the charts are exact copies but it is not difficult in the case of single charts to distinguish the original from the copy by means of other features. The most distinctive is the presence of a watermark throughout the Pene edition, of a double-headed swan, and the name 'Bycolombier', Colombier being one of the great paper-makers of the Auvergne. The chart of west Scotland and north Ireland can also be distinguished by the larger size of the postrophe in 'd'Ecosse' in the original edition. The other two charts are more simply distinguished by the absence of the engravers' signatures in the lower left corners in the Mortier and Jaillot editions. The other misleading difference in this version of the charts of Ireland and of Galway-Shannon is the insertion of the phrase in the title 'Levée et Gravée par Ordre du Roy. A Paris 1693', in line with Mortier's clear intent to pass the work

off as a more prestigious French production. The success of the Mortier-Jaillot version can be gauged by the fact that there are about four times as many copies of this atlas as of the original in the libraries of western Europe.

By 1751 the Dépôt des cartes et plans de la marine decided that a newer edition of *Le Neptune Francois* was required. Although the original plates had become dispersed, as many as possible were brought together, and two missing plates (including that of Galway-Shannon) were replaced by new ones. This is explained by the editor of the 1753 edition, Jacques Nicolas Bellin, in his historical preface. The original charts marked longitude relative to the Isle de Fer [today's hierro] in the Canary Islands, but multiple scales were now added on the basis of prime meridians through Tenerife, the Lizard, London and Paris.

The next recognisable change occurs in the 1773 edition when a printed stamp with 'Dépôt de la Marine' and a price were added. The latter at first read 'Prix trente Sols' but with the Revolution (1789) it rose to 'Prix cinquante Sols'. The fleur de lys in the compass rose was replaced by the cap of liberty or arrow, and those in the stamp replaced by 'R.E.'. However, the only Irish chart seen in this post-revolutionary state is that of Galway-Shannon. A copy of this has also been seen with the fleur de lys on the compass rose and the Dépôt stamp scored out in ink, presumably during the Revolution. The atlases of this period are therefore mixed in their map-types, since they continued to use up previously printed charts while stocks lasted.

The Galway-Shannon chart in *Le Neptune Francois*, as well as being copied as a whole by Mortier, also influenced van Keulen's *Zee-Fakkel*, probably the most successful of Dutch sea atlases. This was first published in 1681 with four sectional charts of the Irish coast. The third of these is essentially the Galway-Kerry coast of Ireland, with a few soundings in Galway Bay but none in the Shannon estuary. This chart was reprinted unchanged until 1704 when shoals, soundings, islands and names were added along the Shannon, including for instance, the 'Casteel van Carigenel' opposite 'Lymeryck'. This version was then used in the *Zee-Fakkel* for the next hundred years.

The other charts influenced by the French survey of 1690 were



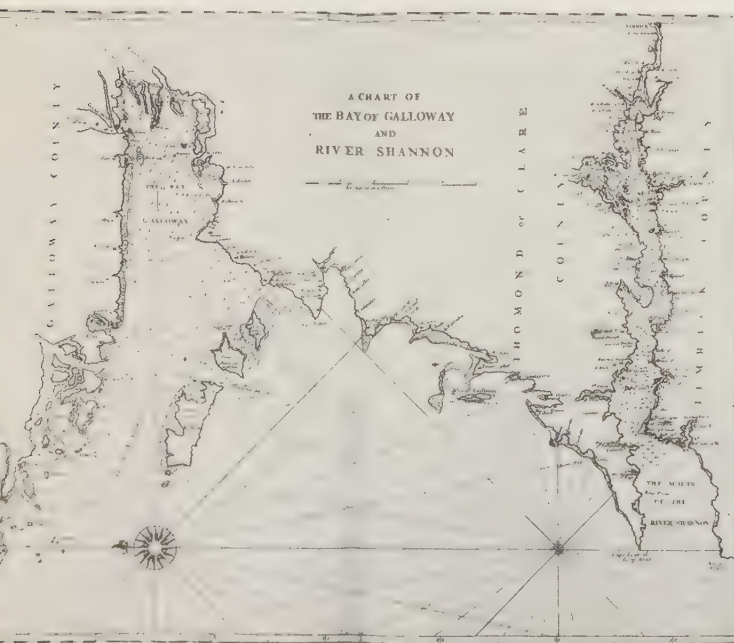


Johannes van Keulen had included four Irish charts in his *Zee-Fakkel* of 1681. His chart of the 'West Cust van Yrlandt' remained unchanged until 1704, when soundings, shoals, names and islands along the Shannon were borrowed from *Le Neptune Francois* (By courtesy of the author).

those of John Seller's *English Pilot*. The lack of a sea atlas by an English cartographer had stirred up John Seller in 1670 to produce *The English Pilot, Southern Navigation*. This has three rather fragmentary charts of the Irish coast and the section covering the central west coast has no detail, such as soundings, except at the actual Shannon mouth. Seller soon went out of business, and the title was taken over by Mount and Page, different members of these families being involved in publishing *The English Pilot* from at least 1701 until 1792. Seller's old charts were omitted and seven new Irish charts were introduced. The series consisted of one sheet for Ireland and six regional charts, the fourth of which covers Galway and the Shannon estuary. The area, orientation and detail are in fact very similar to those of the *Neptune*, except for the omission of the Kinsale inset. The detail includes all the soundings, the Castle of Carrigenell and the 'Is. of Lapins' in the Aran group, with the same blank area between the Aran Islands and Loop Head. It must therefore be regarded as a copy of the French *Neptune* chart published in 1693.

One of the problems of interpreting *The English Pilot* series is the presence of an edition of '1690' in the British Library which includes the Galway-Shannon chart. Assuming this to be a genuine edition of *The English Pilot*, the most likely explanation of the presence of the Galway-Shannon chart is that it was added to the volume later. This is implied in Coolie Verner's

'A Chart of the Bay of Galloway and River Shannon' from the 1701 edition of *The English Pilot, Southern Navigation* is very close in detail and area to the French chart of 1693 (By courtesy of the author).



comment³ that 'this is probably a sophisticated copy'.

It is evident therefore that the French survey of 1690 was widely used throughout the eighteenth century. Greenville Collins did not cover this area and no new survey was made until those of John Cowan, published in 1771, and Murdoch Mackenzie in 1776. Even with these available, the older versions continued to be reprinted by the firms of Van Keulen and Mount and Page for another twenty years. Lambely and Monteguy should therefore be given some credit as pioneer hydrographers of the Irish coast.

References:

- 1 Jacques Nicolas Bellin, 'Remarques sur les Cartes du Neptune Francois', preface to *Le Neptune Francois* (Paris, 1753).
- 2 C. Koeman, *Atlantes Neerlandici* (Amsterdam, 1970), Vol. 4, pp. 423-4.
- 3 C. Verner, 'Captain Collins' Coasting Pilot' *Map Collectors' Circle*, No. 58, (1969), p.39.

Irish Charts in the Neptune Francois

Original Paris Plates of 1693 (Pene edition)

- I West Scotland and north Ireland** (with 6 mm. apostrophe in 'D'Ecosse'. State 1 (1693) on paper watermarked 'Bycolombier'. State 2 (1753) with multiple scales of longitude. State 3 (1773) with 'Dépôt de la Marine' mark and other additions.
- II Ireland and the Irish Sea** (with signature of 'H. van Loon'). State 1 (1693) on paper watermarked 'Bycolombier'. State 2 (1753) with multiple scales of longitude. State 3 (1773) with 'Dépôt de la Marine' mark and other additions.
- III Galway Bay and Shannon Estuary** (with signature of 'C. A. Berey'). Only identified State (1693) on paper watermarked 'Bycolombier'.

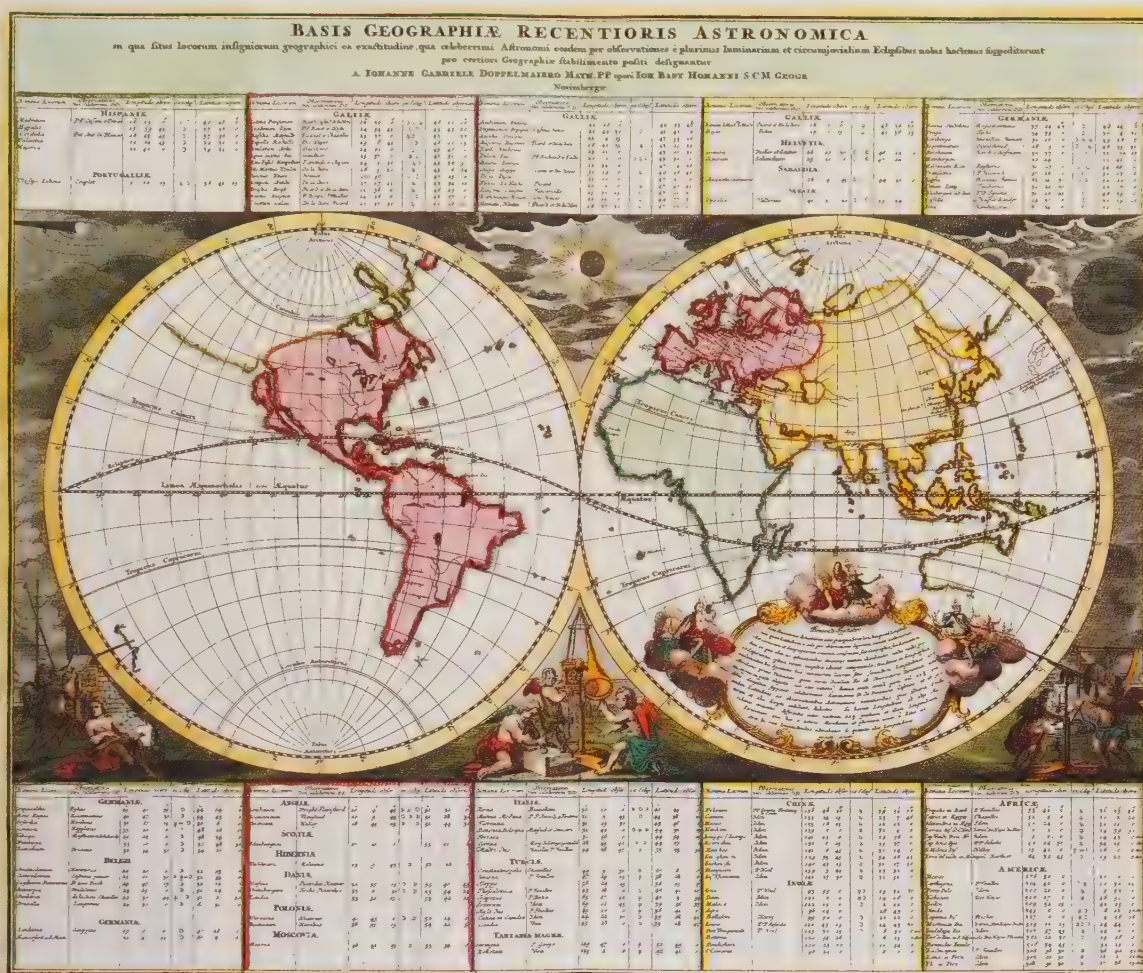
Amsterdam Plates of 1693 (Mortier-Jaillet edition)

- IV West Scotland and north Ireland** (with 3 mm. apostrophe in 'd'Ecosse'. Only identified State (1693).
- V Ireland and the Irish Sea** (without signature). State 1 (1693) with title as in II but with addition 'Levée et Gravée Par Ordre Exprez du Roy. A Paris 1693'. State 2 with date obliterated.
- VI Galway Bay and Shannon Estuary** (without signature). State 1 (1693) with title as in III but with addition 'Levée et Gravée par Ordre du Roy. A Paris 1693'. State 2 with date obliterated. State 3 'A Paris' replaced by 'A Amsterdam Chez Pierre Mortier et Compag. Avec Privil'. State 4 with the further addition below the scale 'Sijn nu ty bekoomen by Gerard van Keulen te Amsterdam met Privilegie'. (Gerard van Keulen succeeded to the business in 1704 and died in 1726).

Replacement plate of 1753

- VII Galway Bay and Shannon Estuary** (with signature of 'C. A. Berey'). A very close copy of the original Paris plate, down to the engraver's signature, which can be distinguished by the multiple scales of latitude and the absense of a comma after 'Limerick' in the title. State 1 (1753) with multiple scales of longitude. State 2 (1773) with 'Dépôt de la Marine' mark, 'Prix trente Sols' and other additions. State 3 (1793) with 'Prix Cinquante Sols' and all fleurs de lys replaced by 'R.E.' or the cap of liberty. State 4 with an arrow in the compass roses instead of the cap of liberty.

ROGER MASON



"Basis Geographiae Recentioris Astronomicae..." by Johann Gabriel Doppelmayr, pub. Homann, Nuremberg, early C18th; 22⁵/₈" x 19". Map of the World in two hemispheres drawn by Doppelmayr to illustrate the manner in which the co-ordinates were established that dictated the shape of the known World. The map contains 138 place-names, from all of which more or less reliable measurements of latitude and longitude had been made. The measurements are recorded in tables above and below the map, with the name of the observer and the method that was used; these were the transit of the moons of Jupiter, the transit of Mercury, the eclipse of the Sun, and the eclipse of the Moon; the four phenomena are illustrated in the upper spandrels. Notable among the observers are Picard and Jacques Cassini de Thury in France; Wright, Flamsteed, and Halley in England; and the jesuit fathers, whose work extended from Asia Minor to the Far East. In the lower spandrels are finely-executed engravings of cherubim using contemporary instruments on the roof of an observatory. On the left are two long refracting telescopes, a cherub is using one, which is sighted on the eclipse of the Moon in the top

right-hand spandrel, and with aid of a pendulum clock and a circular comparison scale is giving readings to an assistant with a log-book. In the centre a solar projector is used to measure the eclipse of the sun in the spandrel above, a cherub is scribing off the proportions of the eclipse from a projection screen, while a third cherub attends to the accurate working of the clock. On the right, longitude is being determined by observing the transit of the moons of Jupiter in the upper left-hand spandrel with a long refracting telescope; the assistant is taking notes with the aid of a candle that is also lighting the face of a pendulum clock; the large quadrant in the background is used as a check on the accuracy of the clock.

Geographically, the map shows the dramatic contraction of the eastern border of Asia that was the result of Fontenay's observations of longitude in China; part of the coasts of China and Japan according to Sanson, some 20° to the east, are drawn for comparison.

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The Long Term Protection of Private Map Collections



y John Wm Morris
Dipl. Arch. Leeds)

he author of this article describes his present activities as 'accidental' as he is an architect by profession who diverted, via his involvement with his parents' gallery, into the technical support of fine art. During the past fifteen years he has been closely involved in the conservation of collections and museum environmental control, both in the public and private sectors.

MAPS ARE VULNERABLE. The very nature of the materials used ensures this, and the collector must be aware of sources of damage and degradation. It is indeed remarkable that numerous maps exist for collection, often in almost perfect condition and an explanation of why this is so must be worthy of examination. Paper is not a robust substance and is more often regarded as disposable. It was, however, the introduction of two associated technologies – paper-making and the ability to set type and print line from the engraved surface of wood or metal – that gave the sixteenth and seventeenth century cartographers a ready means of map production.

The paper of the period was normally made of cotton or linen rag. This gave long fibre length, good weight and few impurities. The absence of lignin (present in wood pulp) ensured that acid attack was minimal. The ink used for printing was normally based on carbon black, which is stable and non-corrosive. This must be compared with the iron/gall inks used for autograph pen annotation found on some maps, which can be very acidic and lead to paper loss.

Hand-inked engraved copper plates do produce a print quality lost on the modern high-speed presses. The map purchaser of 1640 must also have been acutely aware of difficulty of survey and the care required by engraver and printer. This was high technology of the period. The map was afforded protection by placing the sheet in a plan chest or special drawer, and groups of maps were frequently bound into volumes, as evidenced by examination of present country house libraries.

A physical protection is essential for the survival of paper. A binding provides the means of retaining a fixed order, but more

Two different views of solander boxes, an ideal environment in which to store maps.



importantly, a high degree of protection from mechanical damage by creasing or tearing. Environmental damage by the action of sunlight and moisture results in the destruction of paper fibre and the growth of mould. The point is reached when the surface is so indistinct that it is of no practical use, and the item is usually thrown away. An eighteenth century collection housed in a library was protected from sunlight by blinds; heated in winter by open fires which did not over dry the air; and access for reference was limited to a few responsible persons. These were safe surroundings worthy of re-creation.

Principles of Storage

Storage of any kind of archival material has similar requirements. The object must be clearly marked for identification purposes, and in a manner that is non-destructive. If it is contained in an outer sleeve there must be no ambiguity, with a unique reference on container and object. This is a particular problem with a map collection where several states of one map may exist. It is best not to attack the surface of a map with personal stamps, 'in the collection of', or with gum labels that will ultimately damage the paper. Beware the self-adhesive stick-on label beloved of auctioneers. The rubber adhesive will be absorbed into the paper, causing discolouration and damage to the paper fibres. In general any labels of non-historic interest should be removed by a skilled hand. It is both enjoyable and necessary, in these thief-ridden days, to keep an accession number register of a collection. I would recommend that pencil markings in 2B grade are the least destructive. More permanent ink markings should be in archival quality ink, purchased from a specialist supplier. It is also possible to obtain invisible marking inks which respond to ultra-violet light. This offers identification in the event of theft.

Any storage system must allow for ready access and at the same time provide for easy protected handling of the object: A map should be provided with immediate protection, for example a card mount, and a secondary means of support and protection, such as a plan chest or storage box. Paper provides a most difficult case. Little resistance to tearing is afforded by what is a thin sheet of random fibres, held together with a weak size. Undue flexing causes permanent creasing and any point source of stress leads to a hole or loss of paper from an edge. To store maps as individual sheets one on top of another, as so often found in dealers' portfolios, is foolhardy. Every time an inspection is made the sheets are subjected to excessive stress. How often are otherwise perfect maps spoilt by greasy fingerprints that are almost impossible to remove and how often have corners been folded over?

The start of protection must be on purchase. When collecting, be prepared: have a portfolio containing loose leaves of acid-free tissue in the car. Keep all maps flat and do not roll into narrow diameter tubes. If you ask a dealer to forward a map on approval be prepared to pay for adequate flat packing. The map could be laid in a fold of acid-free paper between boards, wrapped in polythene and stiffened with an outerlayer of hardboard.

Please note that very few 'plastics' are suitable for long-term storage of paper, and polythene is not one of them. The exceptions are Perspex (which can usefully contain an ultra-violet filter) and Polyester slip outers. Many people keep maps in large polythene folders. I would not recommend this as good long-term practice although it is obviously good to have a transparent cover for exhibition or other display purposes, but this method gives little protection against humidity change, and no absorption. In the worst conditions condensation can form within a plastic cover, causing water staining, and any translucent cover allows entry to that deadly enemy, light.

The Home as a Museum

When the morning post delivers your new acquisition into your home environment try to avoid an impatient unpacking amongst the butter and jam!

In the home, maps can be stored in two main ways: on open visual display or in some form of enclosure. Each has attendant problems. In a museum it is possible to provide a stable atmosphere and the special monitoring equipment required to check on the day-to-day conditions. It must be accepted that there are limitations within the domestic situation, but care and an appraisal of your own conditions should lead to a satisfactory storage position and method.

The average house is full of hidden dangers and has high-risk areas. Walls adjacent to, or under water tanks are vulnerable places to hang a map; stairwells provide good wall surface, but are subject to high levels of movement and therefore the risk of accidental impact. Areas near kitchen or bathroom are subject to rapid changes in humidity, and the walls of south facing rooms to large changes in temperature and sunlight damage. Avoid the temptation to site a framed map over a radiator or on a chimney breast.

Regretfully, consideration must be given to security. Maps are valuable and readily saleable items and in any break-in are almost certain to be stolen. A sound principle is to try to extend the period of time required to steal both hung and stored items. Picture frames can be fixed to walls with mirror plates and clutch-headed screws which are difficult to remove. Boxed items can be physically protected within a safe or well locked cupboard. Simple lining of a door with mild steel sheet will provide considerable protection. A word of caution – if lending to an exhibition do not display your name, have the catalogue reference entered as 'Private Collection'.

It must be accepted that the average house will not meet all the parameters listed in the conservation manuals; the desired environmental limits should however be known.

Atmospheric physics need not concern us, but the dangers of extremes of high and low humidity should be understood. A balancing act must be maintained between the temperature we are able to maintain in the air that surrounds our collections and an acceptable level of humidity.

A humidity level of between 55 and 65 per cent is a good acceptable level for paper. Measurement is not difficult and can be made by means of a hair hygrometer or by comparison between wet and dry bulb. The second method requires the use of tables but gives accurate results. Why take all this trouble? Very dry paper has brittle fibres, which if handled will easily break. Paper in high humidity conditions, above 68 per cent relative humidity, is subject to the disfiguring stains grouped together under the heading of 'foxing'. On examination, any sample of air will contain spores of moulds; damp paper is a supportive host with the required nutrients. Paper often contains metal particles, fragments from its manufacturing equipment. These can remain dormant until the water content, increased by higher humidity, results in 'rusting' taking place. Complex dilute acids are present within atmospheric moisture; acid rain effect is not limited to Scandinavia, and through absorption, may be taking place in your collection.

A constant temperature between 10 and 18 degrees celsius (50 to 65 degrees fahrenheit), is to be preferred. In centrally heated houses higher temperatures will be the norm. A certain amount of water vapour is always present in air. The higher the temperature of a given parcel of air, the more water vapour it can contain, until a maximum is reached and the air is said to be saturated. Any cooling will result in condensation of the excess vapour. A practical example would be a framed map hung in a hall near a front door. A cold inrush of air on a winter

light could result in condensation forming between map and glass. A disfiguring water stain is produced and in the case of a coloured map diffusion of the pigment.

A measure of control is possible within a house; if centrally heated, the thermostat settings can be adjusted and individual radiators limited with thermostatic valves. The humidity level may be controlled mechanically. Several domestic humidifiers and dehumidifiers are available, automatically levelling off high and low moisture peaks. Avoid spray-type humidifiers which can form pockets of excessive humidity. The careful opening and closing of doors and windows may be all that is required.

The Immediate Environment

The immediate surroundings of any stored map require particular care. Good ventilation reduces the possibility of damp stagnant air which can only lead to mould. Excessive ventilation can cause acidity within paper since the fibres readily absorb acid, as described above. This is in direct proportion to the volume of air passing over the paper surface. If you see a pile of old newspaper, the top sheets are brown and brittle whereas those in the centre will show little sign of deterioration. A practical solution would be the storage of a set of maps in acid-free card mounts, contained in a solander box, protected by a cupboard in a well-ventilated room. Here is an ideal domestic situation. The individual map is protected and can be handled, safely confined by the mount; the solander box constructed from cloth-covered plywood and an acid-free board (interior) affords physical protection from environmental and impact damage: the near air-tight interior eliminates air changes and precludes light. The cupboard buffers against changes in humidity and temperature and may be locked to provide security.

Other hidden dangers lurk in our seemingly safe houses. Normal domestic dirt contains a cocktail of greasy carbon, abrasive grit, fine powders and condensates such as nicotine. We also spray into our rooms a wide range of aerosols containing solvents, waxes and pesticides, and as they must all settle out, it can be assumed that exposed items of your map collection obtain their fair share. This chemical onslaught is ever increasing and is a phenomenon of the twentieth century. No household is proof from insect attack. The prized antique armchair may possess woodworm, moth grub and fur beetle, which will be pleased to eat your collection!

Any surface in direct contact with a map should be non-reactive, non-abrasive and absorbent. Avoid the cold conductive materials; metal shelves for example, will stain with rust, cut with sharp edges and provide ideal surfaces for the formation of condensation. Avoid direct contact with wood, in particular softwood and oak. You may have come across staining from pine backboards which leave a clear image of the grain on any paper in contact. Documents containing seals and impressed duty stamps may have metal foils incorporated, which are particularly at risk from the corrosion caused by the acidic nature of oak.

Most modern papers contain a large proportion of wood pulp together with fillers which help to determine the final characteristic of the paper. The required life-span is short, so that the possible rapid breakdown due to acid absorption and light degradation is of no consequence. The paper will become acidic in nature and, if in contact with other paper, transfer accumulated acidity to an otherwise stable sheet. And yet the most sympathetic material to be in direct contact with paper must be either another sheet of paper or cardboard, a compressed form of paper. Modern conservation requirements have led to a ready supply of high quality all-rag acid-free museum board and paper.

Manufacturers provide detailed specifications, and often include an alkaline buffer to combat acid attack. This provides

the non-reactive, non-abrasive and absorbent surface.

To summarize, the immediate contact surface should be selected with great care and I recommend that the normal museum practice be adopted. Portfolios, solander boxes, folders and mounts should be constructed of acid-free board or paper, supported with selected materials, so formed that the whole only allows very limited air changes. With the exception of perspex and polyester film, all plastic containers should be treated with great suspicion and avoided where possible.

It is normal to provide some enclosed storage for the immediate container. This can be a convenient cupboard, plan chest or metal cabinet; in all cases shelves should be lined or well sealed. Most large towns have secondhand office furniture suppliers who stock serviceable cabinets and plan chests. The work involved in a thorough cleaning is more than offset by the substantial saving in purchase cost. Metal units, if well painted, are inert and are often provided with locks. In the event of fire, rapid transmission of heat causes early charring of the contents. Wooden construction does not have this problem and is more sympathetic to the domestic situation.

The Effect of Light

It is common to display part of a collection as wall-mounted framed pictures. Maps are beautiful works of art in their own right, but when displayed are subject to the degradation caused by light. Most damage results from sunlight, in particular the strong reduction effect of ultra-violet light. Light in the blue-green end of the spectrum is also harmful, and physical change can result in paper fibres so exposed. Artificial light is also damaging with the emission of considerable levels of ultra-violet light from fluorescent tubes. Clear polyester UV filters are available that slip around tubes and are effective and cheap. Tungsten fittings are safer, but spot lamps in particular give off radiant heat which can produce damaging temperatures on the surface of a map, within a picture frame.

Light damage is best prevented by maintaining low levels from all sources. Strong sunlight must be avoided. Window blinds are effective and can be decorative, as are the various filters that may be stuck on to window glass, reducing UV and light levels. Two grades of Perspex (VE and VA) contain a built in UV filter. This can be substituted for glass in frames, but the drawback is the relatively high cost and ease of scratching when dusting. Translucent polyester films can be made up into roller window blinds; this may be a solution if you house the displayed items of your collection in one or two rooms.

Picture frames are expensive and are often regarded as a permanent home for a particular map. Large numbers of maps have similar sizes and when stored in mounts can be so arranged that common overall dimensions allow for interchange. Ring the changes and rotate the display! Do not have glass and map in contact. The best solution is always to use a card mount, but failing this use a spacer in the rebate between glass and map. The benefit is twofold: condensation cannot be transferred from glass to map and there is no pressure on any fold or high spot. Never place a hardboard backing to a frame in direct contact with a map or mount; use an acid-free paper as a separator. Mirror plates provide the best form of fixing frame to wall; if cord is used, attach to 'D rings' screwed to the frame, never rely on screw eyes. Always use two wall hooks to prevent frames tilting.

The readers of this magazine will collectively own some of the best examples of early maps in existence and if your maps are to survive on an indefinite basis and not just last for your custodianship, then it requires thought as to the method and place of storage. You could visit the specialist conservation and framing firms in your area for their advice, ensuring that future collectors will have material to enjoy.

Useful Materials

Firms in the United Kingdom who supply useful materials and services. The entries are, by necessity, truncated and inclusion does not imply personal endorsement.

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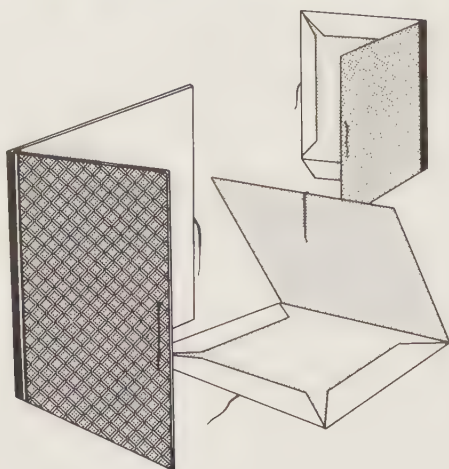
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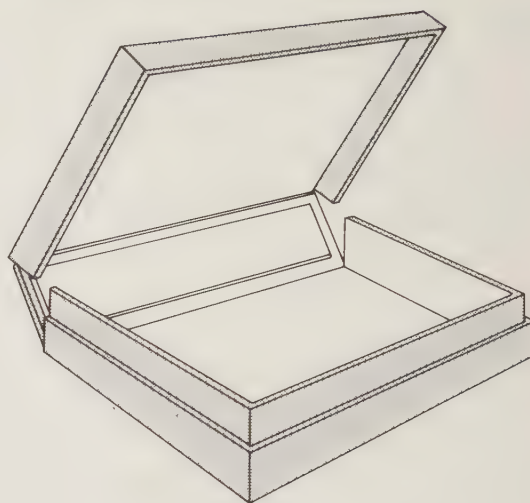


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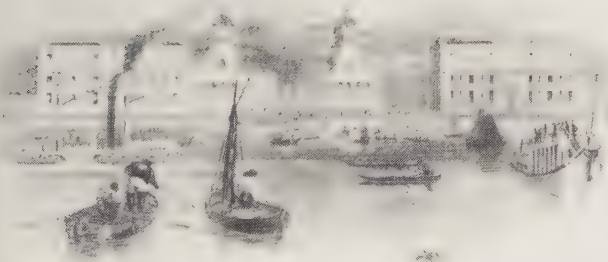
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Rodney Shirley's map 'Hollandia Comitatus' by Cornelis Danckerts restored to its former glory by a student at the Camberwell School of Art and Crafts.

The Restoration of a Seventeenth Century Map

by Norma McCaw



In 1983 Rodney Shirley, author of *'The Mapping of the World'*, attended the summer display at the Camberwell School of Art and Crafts¹ where students were demonstrating conservation techniques and exhibiting books, maps and prints that they had been working on over the previous years. Among the maps on display were several from his own collection which he had placed with the school for conservation because they were tattered, dirty, or stained – sometimes all three. This article tells the story of how one of the students, Norma McCaw, restored one of his maps, bringing home to him the infinite care and professional attention shown by would-be conservators.

ONE OF THE maps entrusted to the Camberwell School of Art and Crafts for conservation was a separately-published map of distinction, titled *Hollandia Comitatus* and dated 1636. It had been bought for sixpence in 1947 and as map no. 103 was part of the collection described by Rodney Shirley in an earlier article in *The Map Collector*.² The map is of considerable topographical interest as it shows the landscape of Holland before the great polder drainage schemes which were carried out from the seventeenth century onwards. The large expanse of sea south-west of Amsterdam, the Haerlemmer Meer, now supports Schiphol Airport. Comparison with a modern map of Holland reveals other large areas where the Dutch, by means of bold massive hydro-engineering works, have reclaimed land from the sea for agrarian use and population settlement over the centuries.

As handed to the Camberwell School for conservation the map was in a very poor and fragile state. Since treatment the whole appearance of the map has drastically altered for the better.

Before commencing treatment, the following observations were recorded:

- a There were several large waterstains and old mould stains, more visible on the verso, but overall very little surface dirt.
- b Three vertical folds suggested that the folded map had been extracted from a volume.
- c The platemark showed in small sections, the remainder having been hand-trimmed at the time.
- d The hand-made laid paper from linen fibres was extremely limp and torn, very delicate to handle, and indicating a breakdown of fibre strength which is unusual in this type of paper. This may indicate that previous treatment may have taken place.
- e The weakest areas had been backed at a later date with patches of hand-made wove paper of a different weight and colour, creating tension and causing wrinkling.

In order to remove the large pieces of paper on the verso, the map was immersed in cold water followed by a long wash in warm water. In the warm water the repair papers were gently eased away from the verso leaving an almost invisible layer of pulpy fibres barely supporting the printing ink. At this stage, these weakest areas could be seen to erupt in small bubbly formations. This appeared to confirm that the map had been locally treated with bleach which had not been thoroughly removed. Bleach continues to act in such cases and would have continued to make the map deteriorate. This bleach was probably the reason for the uncharacteristic pale white colour not generally associated with fine quality seventeenth and eighteenth century hand-made paper, which is generally of a creamy natural colour.

Under the microscope, the linen fibres could be clearly seen to be breaking up; their cellulose chains had shortened and were contributing to the weakness of the paper due to residual bleach. The map was then treated with magnesium bicarbonate solution to build up an alkaline buffer, sized with gelatine solution, and left to dry. The weakest areas on the verso were reinforced with matching fibres toned and made into pulp; missing areas were skilfully replaced by the traditional method of using matching antique laid paper made from linen; and lens tissue was applied to the consolidated tears and fold lines, using wheatstarch paste. The map was lightly pressed between several layers of white blotting paper for two weeks.

The improvement in overall appearance was quite dramatic. The width of the map had increased slightly after releasing the tension arising from previous irregular repairs. Strength had been restored to the fibres by washing in water and removing the bleach. The stains had disappeared and the tears were virtually invisible to the naked eye. It was now possible to handle the map with confidence, in the knowledge that the firmness of its original manufacture had almost been restored. For future care, maps of this type are best kept in white acid-free mounts with acid-free hinges and placed flat for storage in chests or solander boxes.

References

- 1 Articles by Bob Akers, principal lecturer at the School, have appeared in *The Map Collector*, 'Care and Handling of a Map Collection' (Issue 4, 1978), 'History of Paper-Making' (Issue 5, 1978), 'History of Watermarks' (Issue 6, 1979), 'The Cleaning and Restoration of Maps' (Issue 10, 1980).
- 2 An Unusual Collection of Maps in a pre-Overton Atlas' by Rodney W. Shirley, June, 1979.

Note from the Editor

It is important that collectors do *not* attempt to restore their own maps without seeking professional advice.

Large Scale English County Maps and Plans of Cities not Printed in Atlases

Part 9

DEVONSHIRE

by R. V. Tooley

DE1 Anonymous: *Map of the South Coast of Devon, and the Localities of the Celebrated Watering Places, Exmouth, Dawlish, Teignmouth, Torquay, Paignton and Dartmouth.* [Exeter? 1870?] 608 × 405 mm., folding into a cloth booklet. Lithograph.

Scale 1 inch = 1 mile

DE2 Bartholomew, John: *North Devon New Reduced Ordnance Survey of England and Wales.* – Scale, 2 miles to an inch. *The Edinburgh Geographical Institute Copyright John Bartholomew F.R.G.S. by John Bartholomew, F.R.G.S.* Folds into a cloth booklet entitled *The New Reduced Ordnance Survey Map North Devon by John Bartholomew . . . London. W.H. Smith & Son, 186, Strand & All Railway Bookstalls.* [Edinburgh], John Bartholomew, [1896]. 497 × 713 mm.

Shows railways constructed and under construction, driving and cycling roads.

DE3 Besley, H. & Son: *Coast of North Devon. Ilfracombe. Lynton and Lynmouth. Printed and Published by H. Besley & Son, Directory Office, South St, Exeter.* Exeter, H. Besley & Son, [1892?]. 3 maps on one sheet, total dimensions 310 × 399 mm. Lithograph.

Scale North Devon ½ inch = 1 mile

Scale Ilfracombe 1 inch = 10 chains

Scale Lynton 1¼ inches = 10 chains

DE4 Cruchley, G.F. *Cruchley's Map of Devonshire showing the New Parliamentary Divisions, also all the Railways and names of the Stations, reduced from the Ordnance Survey.* London, Published by G.F. Cruchley, Map-seller & Globe Manufacturer, 81 Fleet Street. London, G.F. Cruchley, [1866]. 392 × 918 mm.

Scale 1 inch = 2 miles

DE5 *ibid.*: Another edition [c. 1876].

DE6 *ibid.*: Another edition [c. 1886].

DE7 Donn, Benjamin: *A Map of the County of Devon, with the City and County of Exeter, Delineated from an Actual Survey, on Twelve Sheets of Imperial Paper, the Scale of an Inch to a Mile. By Benjamin Donn, Teacher of the Mathematics &c. late of Bideford, now of the City of Bristol. Engraved by Thomas Jefferys, Geographer to His Majesty. To which is prefixed a General View of the County, on One Sheet, with the Indexes of the Parishes, Seats &c. for the reader finding them on the Large Map.* London Printed for the Author and Sold by the Booksellers of Devon, by Mr Johnston, in Ludgate-Street; Mr Law in Ave-Mary-Lane; Mr Johnson, opposite the Monument; Mr Baldwin, in Pater-noster-Row; and the Print-Sellers of London. MDCCLXV. London, B. Donn, 1765. Title, 9pp., Map of the County of Devon, abridged from the 12 Sheet Survey, and the map on 12 sheets, total dimensions 1775 × 1851 mm. Large Folio.

Scale 1 inch = 1 mile

Vignette title and inset plans of Exeter, Plymouth, Stoke Town and Plymouth Dock, and an inset map of Lundy Island. The map is dedicated to John Baring of Mount-Radford and Mathew Lee of Ebford near Exeter. It shows Hundreds, roads, turnpikes, enclosed and open roads, towns, villages, churches, seats and noted houses with the names of the owners, farms, cottages, copper and tin mines, Roman and Danish encampments. The large towns are shown iconographically.

DE8 *ibid.*: *The County of Devon reduced from the large Map by Benjamin Donn; with additions and corrections.* London

26



The first Royal Society of Arts award for large-scale county maps was awarded to Benjamin Donn for his twelve-sheet map of Devon (1765). The attractive title vignette illustrates the county's agriculture and industry. (By courtesy of the British Library)

Published by W. Faden, Geographer to His Majesty and H.R.H. the Prince of Wales, Charing Cross. July 31st. 1799. London, W. Faden, 1799. 595 × 620 mm.

Scale ¼ inch = mile

A reduction of Donn's 12 sheet map.

DE9 Firks, G. & Son: *G. Firks & Son's 'Westward Ho!' Map of Devon and Cornwall. Designed by Charles Everson. Published by G. Firks & Son, West of England Educational Depot, 10A Old Town Street, & 1, East Street, Plymouth.* Plymouth, G. Firks & Son, [1895?]. 1375 × 1197 mm. Chromolithograph.

Scale 1 inch = 2½ miles

Corner vignettes of miners, haymaking, flower sellers and fishermen. Shows the Great Western and London South Western Railways, canals, seaports and watering places, bishoprics, Parliamentary and Municipal Boroughs, forts and battlefields.

DE10 Greenwood, Christopher & John: *Map of the County of Devon. From an Actual Survey made in the years 1825 & 6. By C. & J. Greenwood, Most Respectfully dedicated to the Nobility, Clergy and Gentry of the County by the Proprietors Greenwood, Pringle & Co. Regent Street Pall Mall London Published Febry. 20th. 1827.* London, Greenwood & Co., 1827. 9 sheets, total dimensions 1895 × 1870 mm.

Scale 1 inch = 1 mile

Vignette view of the North West View of Exeter Cathedral. Shows County and Hundred boundaries, market and parish towns, villages, Parliamentary Seats, turnpike and cross roads, tolls, churches, chapels, castles, houses, canals, railways, mills, parks and pleasure grounds.

DE11 Ordnance Survey of England and Wales: [Devonshire]. Old Series, hill-shaded. Sheets 20-7 and 29.

Scale 1 inch = 1 mile

London, Ordnance Survey Office, 1805-44.

DE12 *ibid.*: Another edition. [1853?].

DE13 *ibid.*: Another edition. 1862-74.

DE14 *ibid.*: Another edition. Index to the Tithe Survey. [1873?].
DE15 *ibid.*: New series, in outline. Sheets 276-8, 292-4, 308-11, 323-6, 337-40, 348-50, 354-6.
 Scale 1 inch = 1 mile
 Southampton, Ordnance Survey Office, 1874-95.
DE16 *ibid.*: [Ordnance Survey of the County of Devon]. Surveyed in 1855-89. 39 vols.
 Scale 25.344 inches = 1 mile
 Southampton, Ordnance Survey Office, 1864-1907.
DE17 *ibid.*: Second edition. revised [1893]-1905.
 Southampton, Ordnance Survey Office, 1894-1907.
DE18 *ibid.*: Ordnance Survey of Devonshire. Surveyed in 1862-89. Without contours. 484 sheets and index.
 Scale 6 inches = 1 mile
 Southampton, Ordnance Survey Office, 1883-90.
DE19 *ibid.*: Another edition with contours. 494 sheets and index. 1867-91.
DE20 *ibid.*: *The Second Part of the General Survey of England and Wales; containing the whole of Devon and a portion of the adjoining Counties, done by the Surveyors of His Majesty's Ordnance under the direction of Lieut. Col. Mudge. 8 sheets and title.*
 Scale 1 inch = 1 mile
 London, Ordnance Survey Office, 1809.

DISTRICT MAPS

DE21 Anonymous: *Plan of the Manor of Honiton in the County of Devon for sale 1869.* In a sale pamphlet entitled *Devonshire . . . The Lordship & Manor of Honiton . . . for Sale by Auction, by Messrs. Beadel, at The Mart, Tokenhouse Yard, London, on Thursday, the 8th Day of July, 1869.* London, Messrs. Beadel Solicitors, 1869. On 2 sheets, total dimensions 802 × 1325 mm.
 Lithograph.
 Scale 1 inch = 6 chains
DE22 Claringbull, W.: *Chart of Plymouth Sound and Map of the Towns of Plymouth, Devonport and Stonehouse and adjacent country from Original Surveys by W. Claringbull Late Surveyor of the Breakwater. Compiled, Drawn & the Interior Surveys completed . . . by . . . J. Claringbull.* London, published by J. Claringbull, 97, Fleet Street, November, 1841. Engd. by H. Owen, 2, Upper Baker St., Regents Park. London, J. Claringbull, 1841. 790 × 724 mm.
 Scale 2½ inches = 2000 feet.
DE23 Cockrem, Edward: *Plan of the Town of Torquay, from the Ordnance Survey, Being a Companion to the Torquay Directory. Published by Edward Cockrem, 10, Strand, Torquay.* Torquay, E. Cockrem, 1840. 538 × 385 mm. Lithograph.
 Scale 8 inches = 1 mile
DE24 Cooke, John: *The Environs of Plymouth Devonport and Stonehouse. A companion to the different Guides of the Neighbourhood. Engraved & Sold by John Cooke Union Stt. Stonehouse.* Stonehouse, J. Cooke, [1830]. 492 × 560 mm.
 Scale 1 inch = 1 mile
DE25 Cowl, Richard: *A Plan of the Town and Citadel of Plymouth, Surveyed by Richard Cowl; 1778.* London Printed for William Faden . . . Charing Cross. 1780. London, publish'd as the Act directs, May 1st. 1780 by Wm Faden corner of St. Martins Lane Charing Cross. London, W. Faden, 1780. On two sheets, total dimensions 840 × 720 mm.
 Scale 6 inches = 1 mile
DE26 Denham, H.M.: *A Chart of the North East Coast of Devonshire. Between Hartland Point & Combermartin. Including the Bar & Parts of Barnstaple and Bideford, the harbour of Ilfracombe & Lundy Island, Surveyed in 1832 by Lieut. H.M. Denham, R.N. with the Assistance of Lieut. C.G. Robinson & Mr E.J. Bedford. Ilfracombe, 1833. Published on the Scale of the Original Survey, by Nathaniel V. Lee Esqre, and Commander George F Herbert R.N. 1832. Engraved by J. & C. Walker.* Extracted from the Survey of the Bristol Channel under the Sanction of the Right Honourable The Lords Commissioners of the Admiralty. Ilfracombe, N.V. Lee and Commander G.F. Herbert, 1833. On two sheets, total dimensions 947 × 1846 mm.
 Scale 2½ inches = 1 mile
DE27 Doidge & Co.: *Doidge's New Large Scale Cycling and*



South Devon's importance for Victorian holidaymakers is underlined in this map by an unknown cartographer (1870?) which concentrates on 'the localities of the celebrated watering places' between Exmouth and Dartmouth. (By courtesy of the British Library)

Touring Road Map of Plymouth and District. Doidge & Co. 169 & 170 Union Street, Plymouth. With cloth cover entitled *Doidge's New Large Scale Cycling and Touring Road Map . . . with two mile circles. From the Ordnance Survey.* Plymouth, Doidge & Co., [1890]. 628 × 755 mm.

Scale ½ inch = 1 mile

DE28 Foster, W.H. & Co.: *New Map of Plymouth, Devonport, Stonehouse and Neighbourhood. Lithographed and Published by W.H. Foster & Co., 86, Treville Street, Plymouth.* With cover entitled *New Map of Plymouth, Devonport, Stonehouse and Neighbourhood . . . of all stationers, or W.H. Foster & Co., Treville Street, Plymouth.* Plymouth, W.H. Foster & Co., [1897]. 465 × 630 mm.

Scale 6 inches = 1 mile

DE29 Heather, William: *To the Right Honourable the Master, Wardens, Elder Brethren of the Trinity House, This Chart of Plymouth Sound is most respectfully Dedicated by their humble Servant W. Heather. Together with A New Chart of the Race of Portland and A New Chart of the Entrances to Falmouth and Helford.* London, Published as the Act directs, July 12th. 1798. by Heather and Williams, at the Navigation Warehouse, No. 157. Leadenhall Street. London, Heather & Williams, 1798. Three maps on one sheet, total dimensions 638 × 785 mm, Plymouth map 638 × 393 mm.

Scale 2¼ inches = 1 mile

DE30 Heydon, John: *John Heydon's Map of Plymouth, Devonport, Stonehouse, Stoke, Morice-Town, Ford, and the Neighbourhood. Lithographed & Printed by W.H. Maddock, 32, Frankfort St, Plymouth. Published & Sold by John Heydon, 104, Fore St, Devonport; & 47 Treville St, Plymouth.* Plymouth & Devonport, J. Heydon, [1870]. 627 × 923 mm.

Scale 12 inches = 1 mile

DE31 Laurie, Robert & James Whittle: *Plymouth Sound, Hamoaze and Catwater Surveyed in 1797. Published 6th April,*



Embellished with views of the city and dedicated to the Mayor and Aldermen, John Rocque's plan of Exeter (1744) is a highly decorative expression of municipal pride. (By courtesy of the British Library)

1797 by Laurie & Whittle, 53 Fleet Street, London. London, Laurie & Whittle, 1797. 705 × 520 mm.

Scale 3½ inches = 1 mile

DE32 Milton, Thomas: *A Geometrical Plan, and West Elevation of His Majesty's Dockyard, near Plymouth; with the Ordnance Wharfe, &c.* T. Milton Surv. et delin. Shipping by I. Cleveley. P. Canot sculp according to act of Parliament February 2d. 1756. London, T. Milton, 1756. 504 × 675 mm.

Scale 2 inches = 1 mile

DE33 Price, William: *Plymouth Sound, Hamouze and Catwater with the Leading Marks and Views of Land by Wm. Price Master in the Royal Navy 1798.* London Published by Laurie & Whittle Fleet Street 12 Octr. 1800. London, Laurie & Whittle, 1800. On two sheets, total dimensions 935 × 660 mm.

Scale 4½ inches = 1 mile

DE34 Rocque, John: *To the Right Worshipful ye Mayor, Alderman & Common Council of the City of Exeter. This Plan of the said city is humbly Dedicated, by their Obedient Servant, John Rocque. 1744.* Published According to Act of Parliament 1744. R. White sculp. [London], J. Rocque, 1744. 755 × 1188 mm.

Scale 6½ inches = 1 mile

Inset views of Exe Bridge, the Guildhall, the Cathedral, the Castle, City Hospital, City and County Hospital, the Workhouse and Custom House.

DE35 Westley, Arthur: *A Plan of the Town of Torquay Published by Arthur Westley 10, Strand, Torquay. W. Parker delt. Stanford, Lith. 55 Charing Cross, London. S.W.* With cover entitled *Westley's Plan of Torquay From the Ordnance Survey, Corrected to the Present Time. With an Index shewing the exact position of over 1000 Villas, Terraces, Streets, &c., Coloured.* Torquay, A. Westley, [1883]. 565 × 720 mm.

Scale 8 inches = 1 mile

DE36 *ibid.*: *A Plan of the Town of Torquay Published by Arthur Westley 10, Strand, Torquay. W. Parker Delt. Stanford, Lith. 55 Charing Cross. London S.W.* With cover entitled *Westley's Large Scale Plan of Torquay (from the Ordnance Survey), corrected to the present time.* Torquay, A. Westley, [1883]. 752 × 748 mm.

Scale 12 inches = 1 mile

DE37 Barnstaple: [Ordnance Plan of the Town of Barnstaple].

Scale 10.56 feet = 1 mile

Southampton, 1889. 25 sheets and index sheet.

DE38 Bideford: [Ordnance Plan of the Town of Bideford].

Scale 10.56 feet = 1 mile

Southampton, 1888. 10 sheets and index sheet.

DE39 Exeter: [Ordnance Plan of the City of Exeter].

Scale 10.56 feet = 1 mile

Southampton, [1879]. 41 sheets.

DE40 *ibid.*: Another edition.

Southampton, 1891.

DE41 *ibid.*: City and County of the City of Exeter.

Scale 25.344 inches = 1 mile

Southampton, 1880. 6 sheets and Area Book.

DE42 Exmouth: [Ordnance Plan of the Town of Exmouth].

Scale 10.56 feet = 1 mile

Southampton, 1889. 16 sheets and index sheet.

DE43 Plymouth: [Ordnance Plans of Plymouth, Devonport and Stonehouse].

Scale 12 inches = 1 mile

Southampton, [1859]. 8 sheets.

DE44 *ibid.*: [Ordnance Plans of Plymouth, Devonport and Stonehouse].

Scale 10.56 feet = 1 mile

Southampton, [1863 etc.] 28 sheets.

DE45 *ibid.*: [Ordnance Plan of Plymouth and its Environs].

Scale 10.56 feet = 1 mile

Southampton, 1893-4. 79 sheets and index sheet.

DE46 *ibid.*: [A map of the country round Plymouth].

Scale 1 inch = 1 mile

Southampton, 1894.

DE47 Tavistock: [Ordnance Plan of the Town of Tavistock].

Scale 10.56 feet = 1 mile

Southampton, 1885. 14 sheets and index sheet.

DE48 *ibid.*: [Ordnance Survey of . . . Tavistock]. Printed in colours.

Scale 1 inch = 1 mile

Southampton, 1885. 14 sheets and index sheet.

DE49 Torquay: [Ordnance Plan of the Town of Torquay].

Scale 10.56 feet = 1 mile

Southampton, 1865. 18 sheets, title and index sheet.

DE50 Totnes: [Ordnance Plan of the Town of Totnes].

Scale 10.56 feet = 1 mile

Southampton, 1888. 9 sheets and index sheet.

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Scotland's First Sea Atlas

by John N. Moore (Glasgow University Library)

THE MAPPING OF SCOTLAND has a markedly different history from that of its southern neighbour. Often later in development, Scottish maps have their own native style based on the work of local cartographers. However, during the late seventeenth century, two men from either side of the border, Greenville Collins and John Adair, made parallel efforts to produce sea charts of the east coast of Scotland. This is all the more surprising as this was a time of comparative recession in home map-making and the copying of surveys was quite common. In both cases, the atlases of engraved sea charts proved to be their only published volume of work. Yet, whereas Collins is celebrated as a coastal surveyor and his *Coasting Pilot* (1693) reappeared no less than twenty times up to 1792, Adair has tended to be overshadowed by his contemporaries and his *Description of the Sea-Coast and Islands of Scotland* is a very rare work, appearing in only one edition in 1703.

Up until this time, British navigators had relied heavily on Dutch charts, even in home waters. Dutch fishing fleets visited the coastal grounds regularly and sea captains fed geographical information back to the large printing houses in Amsterdam. Their domination of the map trade was barely dented by John Seller's attempt to pass off reworked Dutch plates as a home-based marine atlas. The naval engagements of the Dutch wars only served to emphasise still further the lack of accurate British surveys. In England, the realisation of this need led to Charles II appointing Captain Greenville Collins, a commander in the Royal Navy, 'to make a survey of the sea coast of the Kingdom by measuring all the sea coast with a chain and taking all the bearings of the headlands with their exact latitude' in 1681. Five years later, in June 1686, the Scottish Parliament passed an Act in favour of the geographer, John Adair, for 'surveying the Kingdome of Scotland and navigating the coasts and isles thereof'. Such a survey was felt to be 'necessary for navigation, and may prevent severall shipwraks; the want of such exact maps haveing occasioned great losses in tyme past'.

Both men had proved their worth for this task – Collins was an experienced naval officer who had prepared harbour sketches and other draughts, while Adair was a proficient land surveyor who had already produced a hydrographical chart of the Firth of Forth (1683) – but the duplication of effort remains a mystery. According to Collins², he surveyed the east coast of Scotland from Edinburgh to the Orkneys and Shetlands in 1685 and yet Adair was to start his own survey of the Scottish coasts just a year later. The first result of this, his map of the 'Turnings of the Forth', was engraved by Herman Moll in 1688. Certainly, Adair had been frustrated by financial and business difficulties in the production of his land maps. Scotland was still too poor a country for enough subscribers to support a series of county maps and the ability to finance the much-needed charts by the tonnage dues which he had been granted may have encouraged Adair to turn his attention to a maritime survey. It is difficult to believe that he was ignorant of Collins' work, but he may have assumed either that Collins had restricted his survey to England or that the published coverage would exclude Scotland. However, this seems highly improbable since Adair's work post-dates Collins' Scottish surveys by at least a year. It is rather more likely that the duplication of effort is due to the generally inferior quality of Collins' work. Such a belief calls for a careful comparison of the details of the two sets of charts and it is hoped to investigate these differences in a future study.

By 1689, Collins had completed his surveys, having produced 120 manuscript draughts covering the whole of the English coast, the east of Scotland and the chief harbours of Ireland. Undoubtedly, the support of the Crown, the Admiralty and Trinity House aided his progress. By comparison with Adair's struggle, Collins appears to have worked rapidly and yet, as far as can be discovered, he relied on local knowledge in only one instance, when a Mr. Mar surveyed part of the coast between

THE
DESCRIPTION
OF THE
SEA-COAST and ISLANDS
OF
SCOTLAND,
WITH
Large and Exact MAPS,
For the Use of Seamen:
By JOHN ADAIR, Geographer for that
KINGDOM.



EDINBURGH,

Printed in the Year, Anno Dom. MDCC. III.

Above:

The title-page of Adair's *Sea Atlas* engraved and printed in Edinburgh (By courtesy of Glasgow University Library).

Above right:

John Adair's frontispiece map of Scotland. Although he had surveyed much of the Scottish coast and islands, this map is merely a copy of that published in Paris a century earlier by Nicolas de Nicolay without any revision (By courtesy of Glasgow University Library).



Life Ness and Montrose. Several of the charts were printed soon after survey and were available before the published *Pilot* was complete. However, Collins did face financial difficulties and the limitations these imposed showed up in the printed results. These were published in 1693, four years after the final survey work, as *Great Britain's Coasting Pilot* and contained forty-seven engraved charts and two plates of coastal profiles. The atlas

came under severe criticism from Trinity House, the Royal Society and Samuel Pepys, particularly over its accuracy. Pepys wrote in his diary for September 21, 1693. 'This day Mr. Lee the globe-maker came to shew me some draughts, which led us to discourse about Collins's late Book of Sea-Charts, that let me into a large field of enquiries into the faults even of this work of his, and those many and great, and many things only copied



Two similar details of the Northumberland coast illustrating the difference between the work of John Adair and Greenville Collins. Above is part of a map by Adair which seems to have greater precision and finer linework, particularly in the shape of the coastline, than the work of Collins below. His detail tends to be generalised and the engraving of a poor quality (By courtesy of Glasgow University Library).



therein . . . In order to my better judging of Collins's new work, enquire after his sobriety and method of application in performing of the same from some that were with him³. Despite the strictures, this was the first systematic coastal survey and atlas printed in the British Isles and its popularity led to continued reappearances for almost a century with very little change to the contents.

Adair appears to have been similarly hampered by problems of finance. The records of the Scots Privy Council tell a discouraging tale of Adair's petitioning to enforce the tunnage dues and of ships' captains unwilling to pay. In addition, he was involved in some very unfortunate business relations, firstly with the London bookseller, Moses Pitt, whose projected *Great Atlas* scheme ended after only four volumes, and then with Sir Robert Sibbald, the King's Physician and Geographer for Scotland, who bound Adair to produce maps solely for himself at a guinea per copy. It was not until 1691, five years after he started his survey, that he was cleared of these business ties. However, he was still short of cash until in 1695 Parliament made a fourfold increase in the tunnage rate. Even then, Adair was to be hampered by the appearance of a Dutch artillery officer, Captain John Slezzer, who appealed for funds to meet his expenses in publishing and continuing his *Theatrum Scotiae*, a volume of views of towns, colleges and other buildings of worth in Scotland. For the next five years, he and Adair were to be antagonists over the division of the tunnage levy, with Adair claiming for expenses incurred and Slezzer following up with his own demands. Eventually, Slezzer accused Adair of not doing what he had undertaken to do – receiving money without publishing a single sheet of 'this pretended Sea Atlas'.

On the face of it, Slezzer's statements seem all too true. As early as 1692, Adair was accepting money from Sir John Clerk of Penicuik as his subscription to copies of 'The first part of the Mapps and Description of Scotland'⁴. By 1694, he had surveyed the coast from Sunderland Point in England to Buchan Ness and had ten sea charts ready to include in the first volume of a



Prospectus Civitatis LIMNUCHI The Prospect of the Town of LINLITHGOW?

Linlithgow as illustrated in *Theatrum Scotiae* by John Slezer. Slezer's request for financial support from the Scots Privy Council for this venture led him into direct competition with Adair for funds, and ended in them both dying destitute (By courtesy of Glasgow University Library).

Scots atlas. The following year he promised to have the first volume of nine sea charts ready by May 1696. As Slezer pointed out, Adair need only have sent the draughts to London to be engraved for less than £150 for 300 copies. In fact, he had no need to send his work to London for he had brought James Moxon back from Holland to engrave his maps. However, despite a generous payment of £70 for the engraving of a general map of Scotland, Moxon left Adair and Edinburgh for London, possibly spurred by Adair's business problems. Ironically, Moxon was later to be employed by Collins to engrave charts for his *Pilot*. In the end, the remaining Adair charts were engraved by James Clark, who worked at the Scottish Mint, and the high quality of his work makes Adair's delay even more strange.

Still the atlas was not published and Adair turned his attention to surveying other stretches of the Scottish coast. In 1696-97, he was surveying the Firth of Clyde and in 1698 he hired a ship and crew to spend the summer charting the Western Isles and the coast of Ross. Slezer returned to the attack, accusing Adair of seeking public employment to subsist and of hiring an unnecessarily large vessel for the voyage. Adair's reply reflects the degree to which the hostility between the petitioners had risen. He criticised Slezer for hindering his own work, and described him as 'ane illiterat stranger', who knew no more of sea affairs than a shepherd. Slezer, he declared, sat at home gathering scraps from other people while he was driven on shore on three occasions by storms!

Despite this vitriolic attack, Adair did lay himself open to accusations of extravagance and unjustified optimism, and there was certainly little to show for his efforts. Between 1695 and 1698, he spent nearly £13,000 Scots (i.e. £1,070 sterling) on printing presses, type, paper and charges for promoting his 'General Description'. There were few signs, either, that he felt any urgent need to complete his project. He spent ten months visiting Holland and London, studying printing and engraving methods and buying instruments. During this trip, he renewed his contacts in London and could well have learned of Collins'

coastal survey. At the same time, Adair spent considerable time petitioning Parliament and the Privy Council for money. His further surveying efforts also contributed to the delay in publishing his earlier work. He has been described as 'one of those painstaking, finical workers with the artistic temperament, to whom time was no object, and accuracy of detail of such importance that it was sought after, regardless of its actual value, or of any finality to putting on finishing touches'.⁵

In spite of all the setbacks and personal failings, Adair did have the appreciation and backing of the Privy Councillors, who were eventually rewarded in 1703 with the appearance of his *Description of the Sea-Coast and Islands of Scotland*, containing a general chart of Scotland and five larger scale charts of the east coast from Holy Island to Aberdeen, accompanied by sailing directions. The work appeared as a folio volume, with eighteen double-columned pages of letter-press, describing Scotland in general before giving detailed piloting instructions. In these textual directions, Adair highlighted important points by marginal sub-titles to draw attention to harbours, islands, off-shore rocks and notable coastal buildings. From his detailed intelligence, it is clear that he must have navigated all the passages during his survey instead of relying on earlier work. For example, 'the Stone Ridge, is very broad and joined to the Isle, and is also steep too, but hath an Elbow, that is always above water. Keep this close on the starboard side coming in, especially if the Parton-steil be covered'.⁶

After such a long wait and so much controversy, it must have been a disappointment for all concerned that only five of the maps were new, since the general map which appears as a frontispiece was a copy of the Nicolas de Nicolay map published more than a century earlier, in 1583. This is again a mystery because the outline it shows for the Hebrides is unchanged from that of Mercator of 1564 and yet Adair had made at least one expedition to survey these islands. The Nicolay map is certainly inferior to what could have been produced and Adair's excuse of



An enlarged detail from Adair's map of the Montrose Basin, showing the fine linework and detail. This is one of the earliest burgh plans of this district (By courtesy of Glasgow University Library).

not having surveyed the whole coast appears rather lame.

On the other hand, the charts which depict the coast from St. Abb's Head to Holy Island, the Firths of Forth and Tay, the approaches to Montrose, and the coast between Red Head and Aberdeen, are of a high quality of draughtsmanship and accuracy. Apart from Moxon's engraving of the Nicolay map, the whole work was a Scottish effort, being engraved by Clark and printed in Edinburgh. Only one chart is dated – that of Montrose Basin (1693) and this shows a detailed plan of the burgh, one of the earliest of any Scots town. Certainly, the maps seem to show up well in comparison with those of Collins. Sandbanks, rocks, soundings and anchorages are all indicated and the coastline is carefully delineated. However, in spite of the long time in production, the atlas sheets appear unfinished. Two of the title cartouches have empty shields, bearing lines mistakenly crossing the land have been poorly erased, some of the ship sketches are unfinished and only the Berwickshire coast chart has a dedication, to Lord Polwarth, Chancellor of Scotland.

Originally, it was intended that Adair's atlas would form the first part of a larger work covering the whole of Scotland. The second volume was to include his 'Journal of the Voyage made to the North and West Islands of Scotland', with seven charts and two sheets of coastal views. A new act of tunnage was passed in his favour in 1705. A Clyde volume of eight charts was also planned, as was an account of the Antonine Wall running across Central Scotland. Surviving manuscripts show that Adair also worked in the Solway Firth and the Orkneys. Unfortunately, like many other projects, nothing came of the scheme. Whether it was Adair's inability to see things through to completion or his constant problems of finance, it is difficult to tell. He does appear to have achieved little for all his work and application, even taking his setbacks into account. Much of

his work, both printed and manuscript, was handed over to the Edinburgh Exchequer by his widow and subsequently destroyed in a fire in 1811. Unlike Collins, he was a civilian and his own resources may have been limited⁷. Certainly, he had a most varied range of interests, which covered archaeology, natural philosophy and the collection of shells. His sea charts form only a part of his efforts to make a general description of his native land. Land maps of the counties of the Lothians, Perthshire, West Fife and the area around Stirling have survived from the earlier phase of his surveying and other marine charts, in manuscript, are all that remain of his scheme for a series of volumes of coastal surveys covering the whole Scottish coast⁸. In comparison with Collins' charts, Adair's work seems to be more accurate, but far more limited in extent. What has come down to us shows that he was an able and skilled cartographer and it is Scotland's loss that so few of his charts were ever engraved.

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- 2 Coolie Verner, 'Captain Collins' Coasting Pilot', *Map Collector's Circle*, No. 58. (London, 1969) p. 6.
- 3 'Samuel Pepys's Naval Minutes', edited by J. R. Tanner, *Publications of the Navy Records Society*, Vol. 40, (London, 1926) pp. 324-325.
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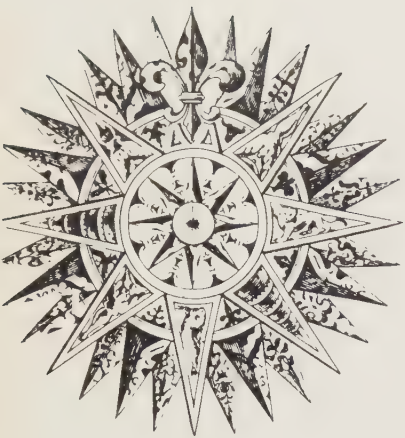
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One map, two purposes: Willem Blaeu's second 'West Indische paskaart' of 1630.

by Tony Campbell

AT FIRST GLANCE, the recently discovered map of North America and the West Indies¹ illustrated here might seem a typical example of seventeenth-century Dutch work. The reverse text found on the original would also tend to confirm that the sheet derived from one of the standard Amsterdam atlases. A number of oddities, however, become apparent on a closer look. The twin circles by the Tropic of Cancer, for example, are incomplete, and only the final part of the inscription in the top left-hand corner is present, [*Americae Septentrio*]nalis Pars. And why is there a beheaded Amerindian at the foot of the sheet?

An even more meticulous examination would supply at least part of the answer. While the left-hand border displays a platemark, there is no sign of one on the other three sides. Their masked edges reveal that this chart, supposedly of the West Indies, is actually a section from a far larger plate, whose unwanted areas had been printed off onto a separate piece of paper which was subsequently discarded. The publisher's sensible decision to use as his artificial limits the Equator for the lower border, the latitude scale for the eastern edge, and a neatly inked ruled line along the top, helped to cover up the deception.

The incomplete circles, already mentioned, allowed the full chart's extent to be predicted with some confidence. According to the traditional arrangement of rhumb lines devised for the medieval portolan charts, the inner circle would have been placed centrally, and the four intersection points visible at the sheet's western edge would lie on the circumference of a far larger circle, probably running close to the chart's outer limits.



From this it was clear that the full chart must have covered the whole of the Atlantic. The most likely author was Willem Janszoon Blaeu, and so it transpired. Comparison between the two illustrations² shows how the North American detail, measuring $42 \times 55\text{cm}/16\frac{1}{2} \times 21\frac{1}{2}\text{in}$, fits into the mother-map, identified as Blaeu's second *West Indische paskaart* and extending, on a single copper plate, to an impressive $78 \times 99\text{cm}/30\frac{3}{4} \times 39\text{in}$.

There is at least one other surviving example of the atlas-size extract illustrated here. It was described in 1927 by F. C. Wieder, who found one in a copy of the 1634 German edition of Blaeu's *Atlas Novus*³. The printed text on the reverse of this second example was now explained. The genesis of the *Atlas Novus* has been traced to an advertisement of February 1634 in which Blaeu announced his intention of issuing an 'international edition' of an enlarged world atlas⁴. This was to be offered in four alternative languages, the German version appearing about Easter of that year, the others in the summer.

Since the unique recorded copy of the 1634 German edition of the *Atlas Novus* is untraceable today⁵, Wieder's description must suffice. Even though he does not speculate why such an extract from a large sea chart should find its way into a published atlas, the reason seems clear: it was a clever piece of opportunism on the part of Blaeu, faced with an impossible publishing deadline. Wieder's own account reveals many signs of haste in the atlas's production⁶. The title-page of the 1634 atlas, for instance, was created by sticking a printed overlay onto the 1631 version, and amending the original roman date in ink. Six of the maps were



Blaeu was rushed into publishing the 1634 German edition of his *Atlas Novus* before it was fully ready. Faced with the lack of a West Indies sheet, he cleverly extracted the relevant section from an existing chart of the Atlantic. On the left is the only example of the extract traceable today (By courtesy of Robert Douwma Prints and Maps).

n proof form and two of the sheets which were due to be included for the first time in the 1635 edition – Scandinavia and the East Indies – were absent altogether, evidently not yet ready.

The introductory matter for the atlas was dated March 1634, in line with Blaeu's claim that the work would be ready by Easter. To avoid undue postponement of the German edition, incomplete maps were presumably either included in their proof form, if the missing details were not too important, or were omitted altogether. The exceptions to this were the maps of the Rhine and Danube, which Blaeu extracted from Mercator's 1590 wall-map of Germany⁷, and the 'Insulae Americanae', for which he had a similar temporary substitute to hand.

The printed title of this makeshift stop-gap for the map of the West Indies and North America in the *Atlas Novus* is stuck down over the remaining half of what had always been an empty cartouche. Confusingly, the title wording is precisely the same as that on the standard map of the region, dedicated to A. C. van der Burgh and found in the Blaeu atlases from 1635 onwards⁸. The text on the reverse of the recently identified example of the *paskaart* extract appears to be the same as that described by Wieder for the edition of 1634 and by Koeman for that of 1635, but neither edition was available for comparison. The handwritten plate number of the illustrated example (179) distinguishes the position it must have originally occupied in its atlas from that described for the Wieder atlas (149), thus establishing that the two recorded copies could not be one and the same.

Just as the extract is known in only two copies, so the entire

paskaart survives in no more than a pair of recorded examples. Wieder knew of none; Destombes and Gernez, writing in 1949, could cite only the copy in the Bibliothèque Royale Albert 1^{er}, Brussels⁹; and Keuning's posthumous biography of Blaeu merely added the example in the Badische Landesbibliothek, Karlsruhe¹⁰.

Blaeu had published an earlier version of the *West Indische paskaart*, probably in the 1620s¹¹. What contrasts this second *paskaart* with that first attempt is the fact that the latter is drawn on Mercator's projection, the traditional rhumb line network notwithstanding. This projection was of particular value to mariners since it was the only one on which compass bearings appeared as straight lines. Establishing the priority among undated charts, some of which have only survived in later printings, is hazardous, but Destombes and Gernez conclude that this must be one of the earliest printed charts to be drawn on Mercator's projection, and probably the first such chart of the Atlantic¹².

Doubtless it was this increased usefulness which led to the second *West Indische paskaart* being so regularly reissued and copied, some ten later states and derivatives having been identified¹³. In this way Blaeu's chart was kept alive throughout the seventeenth century. Despite the considerable numbers in which these various versions were presumably produced, a few examples at most have survived of each.

Destombes and Gernez point to the lack of an engraved privilege notice as evidence that Blaeu issued the chart for the use of the Dutch West India Company's ships, never offering it



A version of Blaeu's second 'West Indische paskaart' of 1630 in a faithful copy by Pieter Goos. It bears the added imprint of Johannes van Keulen and probably dates from the end of the seventeenth century (By courtesy of the British Library).

for general sale¹⁴. The *paskaart*'s date of original publication can be narrowed with some confidence to 1630, the year in which the Dutch West India Company became firmly established in Brazil. In the first place, the *paskaart* betrays knowledge of the maps of New France, New England and Florida added to Joannes de Laet's *Nieuwe Wereld* of 1630¹⁵, and secondly it was the subject of an accompanying booklet, which was described in an unverifiable report of a century ago as bearing that same date¹⁶.

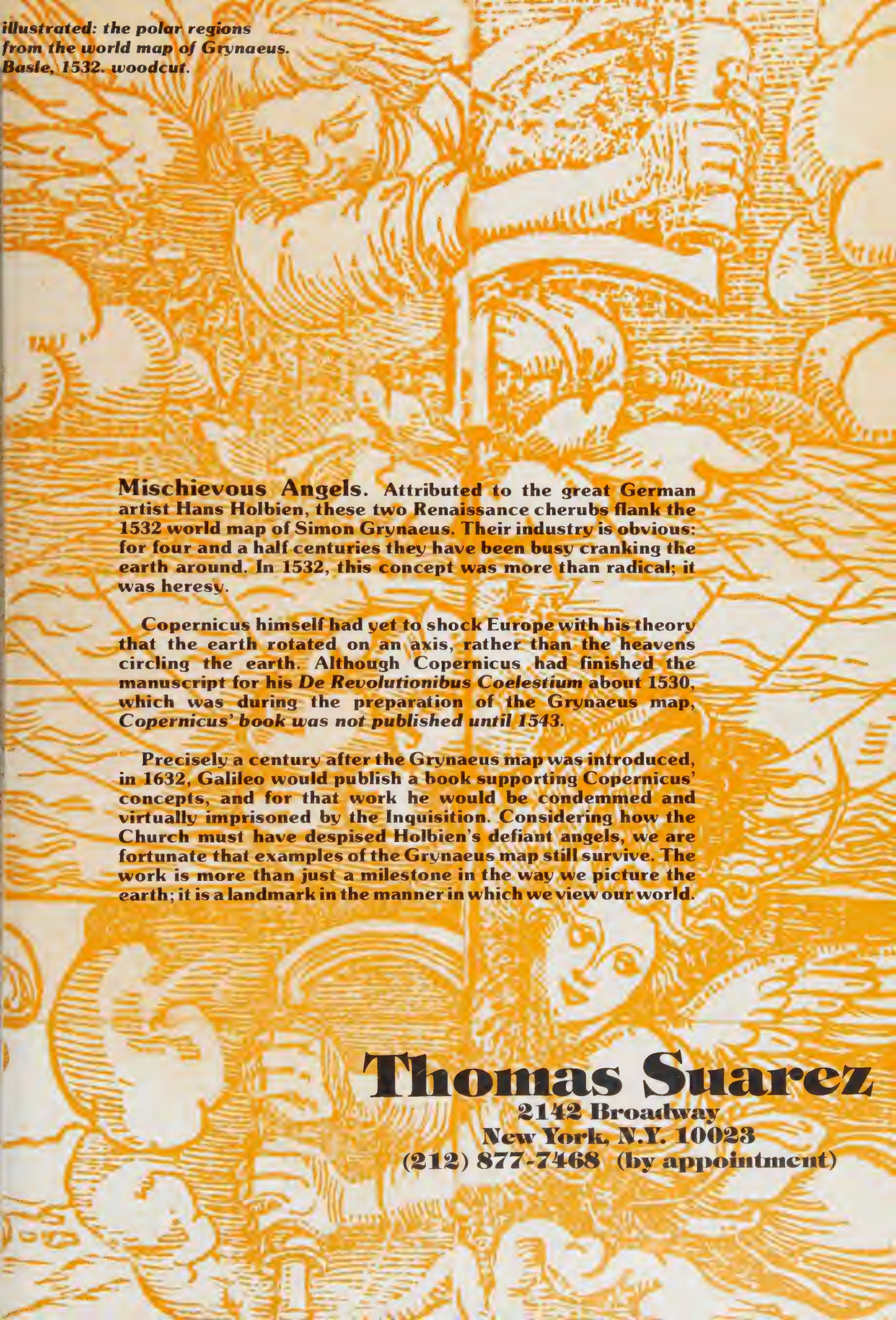
Blaeu's decision, four years afterwards, to recycle the North American part of what has been called 'one of the most important contributions to the history of nautical cartography made by the Dutch in the seventeenth century',¹⁷ has doubled the number of surviving examples of the chart's most interesting section, while simultaneously providing a minor cartobibliographical curiosity.

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- 1 The map in question was described in Robert Douwma, *Catalogue 28: Admiralty charts and selected maps* (1984), no. 196. The present note is based on the catalogue description, also written by the author. Grateful acknowledgment is due to Mr. Robert Douwma for permitting its reuse.
- 2 From the close copy by Pieter Goos of Blaeu's second *West Indische paskaart*.
- 3 Frederik C. Wieder, *Monumenta Cartographica*, 5 vols (Amsterdam, 1925-33), I, 70-71, 84.
- 4 C. Koeman, *Atlantes Neerlandici*, 5 vols (Amsterdam, 1967-71), I, 86.
- 5 Koeman, *Atlantes*, I, 88.
- 6 Wieder, *Monumenta*, I, 84-85.
- 7 C. Koeman, 'Mr. Blaeu Makes Maps with Glue and Scissors', *Imago Mundi*, 17 (1963), 96-97.
- 8 Koeman, *Atlantes*, I, 94, no. 178.
- 9 Marcel Destombes and Désiré Gernez, 'La "West Indische Paskaert de Willem Jansz. Blaeu" de la Bibliothèque Royale', *Communications de l'Académie de Marine*, 4 (1947-49).
- 10 Johannes Keuning and Marijke Donkersloot-de Vrij, *Willem Janszoon Blaeu: A Biography and History of his Work as a Cartographer and Publisher* (Amsterdam, 1973), p. 74.
- 11 Keuning & Donkersloot-de Vrij, *Blaeu*, pp. 72-73.
- 12 Destombes & Gernez, 'West Indische Paskaert', p. 12.
- 13 These are discussed in Destombes & Gernez, 'West Indische Paskaert', pp. 12-15; Keuning & Donkersloot-de Vrij, *Blaeu*, p. 75; and I. N. Phelps Stokes, *The Iconography of Manhattan Island*, 6 vols (New York, 1915-28), II, 138. The Robijn reissue from the original plate is reproduced in colour in Robert Putnam, *Early Sea Charts* (New York, 1983). A number of versions of the chart are preserved in the British Library - S.T. (Flat), RR Cabinet No. 3, Shelf 13.
- 14 Destombes & Gernez, 'West Indische Paskaert', p. 11.
- 15 Destombes & Gernez, 'West Indische Paskaert', p. 9.
- 16 Wieder, *Monumenta*, pp. 70-71.
- 17 Destombes & Gernez, 'West Indische Paskaert', p. 16.

Coda

There is nothing like committing oneself in print about the rarity of a particular map for another copy to emerge in instant refutation. Sotheby's are planning to include in their sale on 2 May 1985 a copy of the 1635 German edition of Blaeu's *Novus Atlas*, containing a further example of the special 'Insulae Americanae' map. This information, which I owe to John Goss, came too late for incorporation in this note.



illustrated: the polar regions
from the world map of Grynaeus.
Basle, 1532. woodcut.

Mischievous Angels. Attributed to the great German artist Hans Holbien, these two Renaissance cherubs flank the 1532 world map of Simon Grynaeus. Their industry is obvious: for four and a half centuries they have been busy cranking the earth around. In 1532, this concept was more than radical; it was heresy.

Copernicus himself had yet to shock Europe with his theory that the earth rotated on an axis, rather than the heavens circling the earth. Although Copernicus had finished the manuscript for his *De Revolutionibus Coelestium* about 1530, which was during the preparation of the Grynaeus map, Copernicus' book was not published until 1543.

Precisely a century after the Grynaeus map was introduced, in 1632, Galileo would publish a book supporting Copernicus' concepts, and for that work he would be condemned and virtually imprisoned by the Inquisition. Considering how the Church must have despised Holbien's defiant angels, we are fortunate that examples of the Grynaeus map still survive. The work is more than just a milestone in the way we picture the earth; it is a landmark in the manner in which we view our world.

Thomas Suarez

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A New Source for Orlando

by Yasha Beresiner

The author of this article is a London dealer who has a particular interest in collecting early playing cards. Through a pack which came into his possession recently he found a previously unrecorded forerunner of the maps for the nineteenth century Thompson/Hodgson atlas of English counties. He describes here how this discovery came about.

ONE OF THE delights of having a range of interests that takes in maps, playing cards and paper money, is that unexpected links can sometimes be discovered between them. Examples of this are the backs of playing cards as legal tender currencies during the French Revolution; maps, town plans and portraits of famed cartographers used as designs on banknotes; ancient coins decorating the borders of historical maps; and, the well known series of Redmayne and Morden's fifty-two British county maps as a deck of cards. Thus, my recent purchase of a geographical deck of cards, consisting of all the counties of England and Wales, was particularly exciting.

I could clearly identify the maps as being from the same plates as those in J. Thomson's *The New English Atlas*, being a

complete set of county maps, neatly coloured . . . of 1823, better known as the quaint miniature maps in Orlando Hodgson's *The Pocket Tourist and English Atlas*, being a new and complete set of county maps . . . including a copious topographical account of each county [1827]. The deck of cards fortunately bore irrefutable proof of precedence in its own date. This appeared in the imprint, 'Pub. by J. Allen, 3 Hampden Str. Sommers Town, 1811'. The enquiries I made with both the knowledgeable individuals and appropriate institutions quickly made me realise that I had the previously unrecorded forerunner of the Thomson/Hodgson atlas.

The booklet of rules belonging to the deck has the following inscription, 'A Geographical Game – Allen's English Atlas – being a set of county maps on cards showing the whole of the turnpike roads, great rivers, navigable canals etc. adapted for the instruction of youth in English geography. Pub. as the act directs June 4th, 1811.'

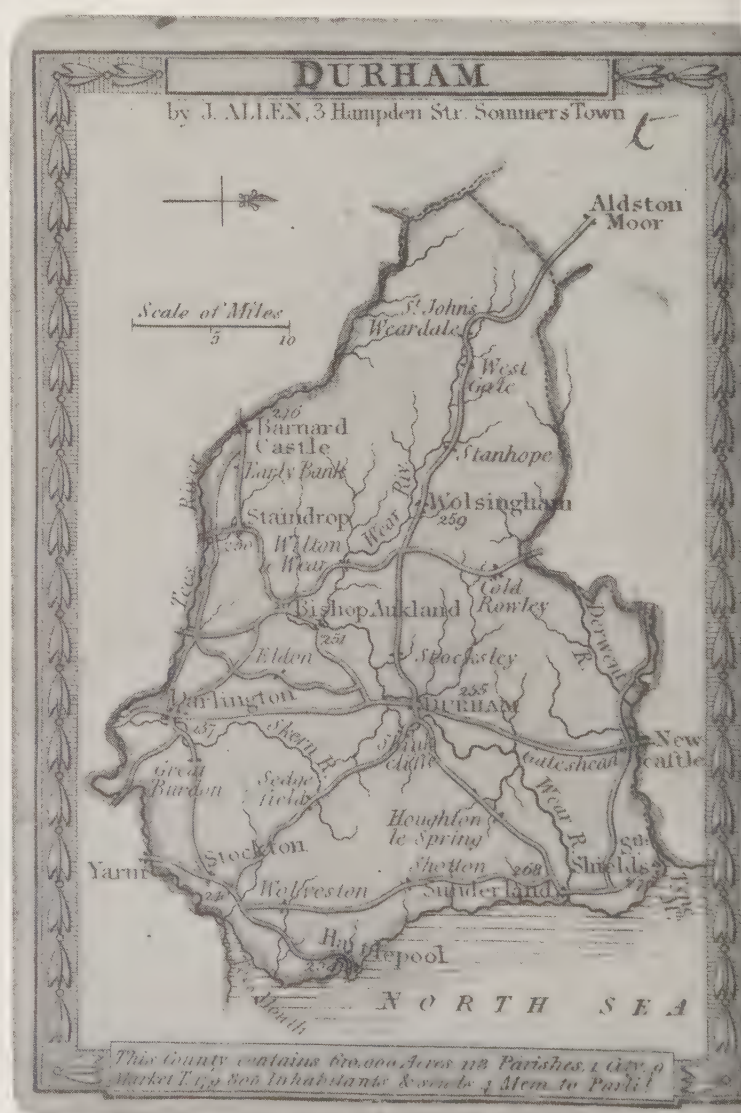
The deck consists of forty-three cards – forty English counties, a map each of North and South Wales and one of England and Wales which appears on both sides of the title

Below left:

The back of the title card clearly stating the date of the cards as 1811. (NB The shading in this picture is caused by foxing on the original card) (By courtesy of the author).

Below right:

John Allen's map of Durham from *Allen's English Atlas*, published in 1811 as a pack of geographical cards. Allen's imprint can be seen at the top. The somewhat 'naked' appearance is due to the lack of the names of the bordering counties. Clearly this is the source for Thomson's atlas of 1823 republished by Hodgson in 1827 (By courtesy of the author).



Hodgson's County Maps

ard. There is an additional imprint which reads 'Also by R. Rowe, No. 19 Bedford Str. Bedford Row London'. This, together with the Allen imprint, was removed by the time of Thomson's reissue in 1823. There were to be only two further changes in the plates, intended no doubt to increase the usefulness of the maps, which clearly differentiate Allen's work of 1811 from that of his two successors. The names of bordering counties were added together with symbols for parks and a few roads while some roads were extended.

Earlier sources had already indicated 1811 as the census date for the statistical information at the base of each card. The only reference, however, to John Allen is in R. V. Tooley's *Dictionary of Mapmakers*. Born in 1796, Allen is listed as an engraver based in Surrey whose major work appears to have been the engraving of *Rowe's London* in 1811. He has further English and American works attributed to him up to 1825 and is said to have died in 1851. He is not to be confused with J. B. Allen, the better known engraver of maps for J. B. Tallis (*Allen's English Atlas* has a new entry in my *British County Maps, Reference and Price Guide* under YB 9a).

It is hoped that this brief note about this discovery will lead to further research and investigation.

Further Reading:

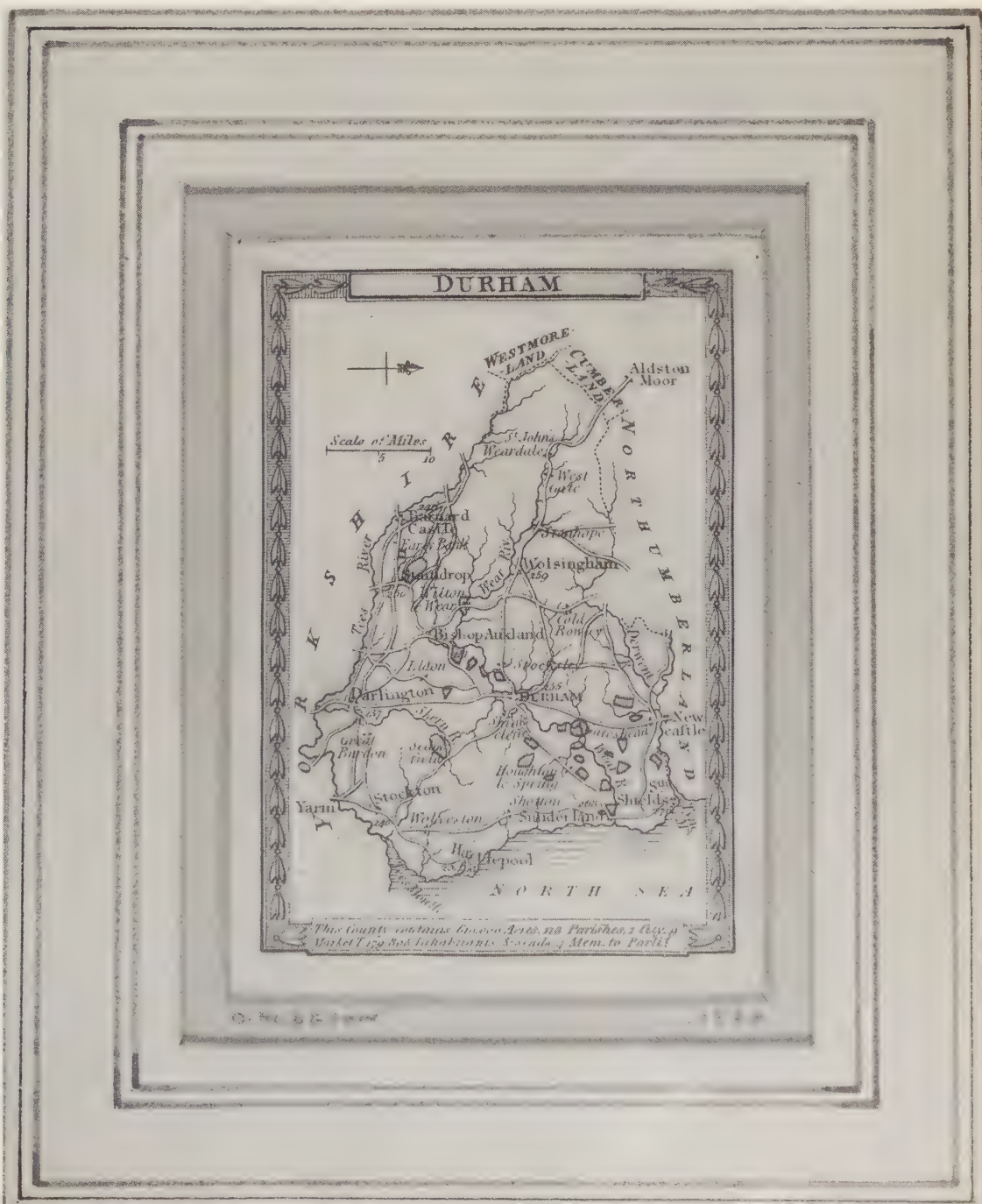
Yasha Beresiner, *British County Maps* (Woodbridge: Antique Collectors Club, 1983).

Donald Hodson, *Printed Maps of Hertfordshire 1577-1900* (London: Dawson of Pall Mall, 1974).

David Kingsley, *Printed Maps of Sussex 1575-1900* (Sussex Record Society, 1980).

NR. Donald Hodson, author of *County Atlases of the British Isles*, comments: 'Yasha Beresiner is to be congratulated on finding this most interesting set of cards and for drawing them to our attention. Until now their existence was totally unsuspected. Even the known atlases published by Thomson in 1823 and by Orlando Hodgson in about 1827 are extremely rare; just a single example (in the Bodleian Library, Oxford) of Thomson's atlas is recorded whilst only one copy of Hodgson's atlas is to be found in a public collection (British Library) and one other is in private hands. Thomson's atlas is dated on the title pages. For Hodgson's issue, which is undated, Chubb suggests a date of 1820. Hodgson however, was at the address given in the imprint of his atlas (Maiden Lane, Wood Street) only from 1826-8 according to the *Post Office London Directory* suggesting that the book was published at that time.'

Right:
Orlando Hodgson reissued Allen's map in his *Pocket Tourist and English Atlas* of 1827, removing the imprint and adding the names of adjoining counties as well as parks and extensions to some roads (By courtesy of the author).





News from Iceland

Kjartan Gunnarson, a keen map collector in Iceland, is pictured with some of his maps which were on display recently during the largest stamp symposium ever held in Reykjavik, Iceland. Twenty-three of Mr. Gunnarson's maps were framed especially for the occasion which

was attended by people from both Scandinavia and the USA. 'Nordia '84' was held under the auspices of the president Vigdis Finnbogadóttir who was present at the opening ceremony and was shown round the priceless collection of stamps and maps.

A Visit to American Map Libraries

Report by O. A. W. Dilke (Professor of Classics, University of Leeds)

THE OPPORTUNITY OF a two-month Research Fellowship at the John Carter Brown Library of Brown University, Providence, Rhode Island, USA, provided me with a rich resource for research into Ptolemy's *Geography*. The library has one Ptolemy manuscript, the Wilczek-Brown Codex, and an almost complete collection of early printed editions of the *Geography*; forty-seven out of the fifty-one which are known. The Wilczek-Brown Codex contains a very unusual set of maps with no text; and Asia is excluded. The maps are rather crude, perhaps the work of apprentices, and have incorrect proportions; but they include an outline of Africa showing it as able to be circumnavigated, and a printed Berlinghieri (Florence) world map. My wife and I were also delighted to be able to do a little more work on Vesconte Maggiolo, and to examine the cartography of Battista Agnese, from the library's very fine manuscripts.

There was a full article on the John Carter Brown Library by its former librarian, Dr Thomas Adams, now University Bibliographer, in Issue 16 (Sept. 1981) of *The Map Collector*. The new librarian, Dr Norman Fiering, who was appointed in September 1983, was very welcoming. Susan Danforth, Curator of Maps, is vigorous in her efforts to help research fellows. Many are appointed to study Americana in the rare textual collections and it is hoped that the cartographic side will attract more applicants. Moreover, an annual Jeannette Black Fellowship, in honour of Susan Danforth's predecessor, has recently been endowed. The first to occupy this will be Ursula Lamb this spring.

We were able to sample briefly other map resources of America: 'new' Palestine maps at the Houghton Library, Harvard University; the Ebner Ptolemy at the New York Public Library; the Newberriensis Ptolemy amongst the many treasures at the Newberry Library in Chicago; and the Wilton Ptolemy and Maggiolo world map at the Huntington Library, San Marino, California; cf. our article 'The Maggiolo World Sea Chart at Fano' in *TMC*, June 1983.

In order to follow the principal works of Ptolemy, the geographer and the historian of cartography need to consult not only the illustrations but an adequate translation of the

Greek text. A new translation of the *Almagest* has recently been published by Professor G. J. Toomer of Brown University. But the only English rendering of the *Geography* is that by E. L. Stevenson, with reproduction of the Ebner manuscript (New York, 1921). In this book the maximum daylight hours and the distance in hours east or west of Alexandria of select places (Book 8) and the instructions for projection of regional maps are not translated, and at a number of points in the text there are errors or vague paraphrase. It is to be hoped that such defects may before long be remedied.

Scottish Centenary Marked

Report by J. B. Caird

SEVENTY PEOPLE attended a colloquium on 'Aspects of the Maps of Scotland' held at the University of Dundee last November to mark the centenary of the Royal Scottish Geographical Society and its Dundee centre. An exhibition, 'Scotland, Tayside and Fife in Maps', had also been mounted as part of the centenary celebrations.

A number of papers were given including one by Miss Margaret Wilkes, Map Superintendent at the National Library of Scotland, who discussed the contribution of John George Bartholomew and some lesser known mapmakers, and one by Dr. Jeffrey Stone of the Geography Department at the University of Aberdeen, who discussed the engraving of Scotland's first atlas. He demonstrated that the process of engraving led to both deliberate and accidental change of detail from the Pont manuscripts to the published maps.

A postgraduate student from the Geography Department at the University of Aberdeen, Mr. Robert Mallett talked about the military survey of Scotland in 1747-55 and Dr. Graeme Whittington from the Geography Department at the University of St Andrews discussed 'The protracted and Fair Copies: comparisons from the Howe and East Neuk of Fife,' also in connection with the military survey.

The final paper was given by Dr. James Coull, also from the Geography Department at the University of Aberdeen, who chose as his subject 'Evolution of Settlement in the Buchan district of Aberdeenshire from c. 1590 to 1876: the Map Evidence.'

Forthcoming Events

March 11, 1985,
9.30am-7.30pm

March 16, 1985,
1.30pm

March 23, 1985,
11am

April 15, 1985,
9.30am-7.30pm

May 9-11, 1985

May 13, 1985,
9.30am-7.30pm
May 23-24

May 31, 1985,
10am

June 4-7

June 8-13

June 22, 1985,
9.30am

June 22, 1985,
8pm

June 23, 1985,
11am

July 8-12, 1985

September 27-30, 1985

Map and Print Fair, Bonnington Hotel, Southampton Row, London WC1.

Combined meeting of the Washington, New York and Lower Delaware Valley Map Societies at the National Geographic Society, 17th and M Streets, N.W.

Imcos AGM and regional symposium. John Rylands Library, Deansgate, Manchester. Subject: 'The Development of the Atlas in the Kitchen-Bowen era'.

Map and Print Fair, Bonnington Hotel, Southampton Row, London WC1.

Eleventh meeting of the French Colonial Historical Society, Quebec.

Map and Print Fair, Bonnington Hotel, Southampton Row, London WC1.

The Mapping of the Commonwealth Conference, British Library & Commonwealth Institute, London.

'The Way Ahead'. A one-day symposium on cartography with eight speakers. Topics to include the Ordnance Survey, satellite data, map librarianship and the study of historical maps.

Assn. of Canadian Map Libraries 19th Annual Conference, University of Manitoba, Winnipeg, Canada.

Special Libraries Assn. Annual Conference in Winnipeg, Canada.

Meet at Charing Cross Pier, London, for boat trip to Greenwich and National Maritime Museum for Imcos Symposium. Full day of talks and visits to collections.

Annual dinner of Imcos at Royal Overseas League, St. James Street, London SW1.

Imcos Map Fair and exhibition of portolan charts at the Forum Hotel, Cromwell Road, London.

Eleventh International Conference on the History of Cartography at Public Archives of Canada, Ottawa, Canada.

Imcos symposium in Helsinki, Finland. Will include a visit to the Nordenskiöld collection.

Around and About

NEWS



new map and print room is opening this Easter in the Lake District, an area in which there have been very few dealers in recent years. A map collector, David Mizon, who has recently moved from Merseyside to Cumbria, is opening the room at the Ewen Kerr Bookshop in Kendal.

the company of John Howell Books, dealers in rare books and manuscripts, Western Americana and fine art, is no longer in business since the death of Warren R. Howell. The firm was established in 1912 in San Francisco by John Howell.

anyone looking for an attractive cartographic gift need look no further than the Warwick Leadley Galleries at 5 Nelson Road, Greenwich, London SE10 9JB (Just down the road from the National Maritime Museum!). They have an attractive range of four at 60p each or the full set for £2.20. They feature the hundred of Lackheath, Bromley and Beckenham, and Wexnes, from Dury and Andrews map of Kent, 1699; the road from London to Dover, 1675, by John Ogilby; a sheet from John Rocque's large plan of London, 1746, and Kent by Thomas Moule, c. 1848. All attractively coloured on good quality white card. The gallery are also selling a facsimile of the Dury and Andrews sheet for £48 framed and £15 unframed.

'America Emergent', an exhibition of maps and atlases in honour of the late map collector, Alexander O. Vietor, is to open on March 1 this year at the Beinecke Rare Book and Manuscript Library of Yale University.

during the recent symposium at the Library of Congress on atlases, a special presentation was made to a former employee of the Geography and Map Division, Mrs. Clara LeGear. She received, from John Wolter, chief of the division, a copy of Rodney Shirley's book *The Mapping of the World*, in recognition of her 'outstanding contribution' to the bibliography of atlases. Mrs. LeGear was a staff member from 1915 to 1961 and was appointed honorary consultant in the history of Cartography on her retirement. During the eleven years she served in this capacity she completed the compilation of Volume 6, 7 and 8 of *A List of Geographical*

Atlases in the Library of Congress. Volume 9 is presently being prepared for editing. She was given a standing ovation in tribute to her scholarship and service.

The popular exhibition of antiquarian maps, 'The Mirror of the World' is on display again in the Map Gallery of the British Library where it will remain until December. It was originally shown in 1983 but there will be some new items including a copperplate prepared for Christopher Saxton's projected wall map of England and Wales (c. 1580), a maritime atlas of thirty-four printed and twelve manuscript charts by the Dutch cartographer Gerard van Keulen of c. 1722 and William Smith's map of Lancashire (c. 1602), one of a set of twelve for a projected but unfinished county atlas of England and Wales. The theme of the exhibition has also been updated with the inclusion of examples of remote sensing imagery, for which the Map Library has recently been designated the archive for material relating to the United Kingdom. The Students' Room now offers a reader and enquiry service to the public upon application.

Approximately fifteen research fellowships for the year July 1, 1985 to June 30, 1986, will be awarded by the John Carter Brown Library at Brown University, Providence, Rhode Island. These are open to Americans and foreign nationals who are engaged in scholarly research. One of these appointments will be reserved for the Jeannette D. Black Memorial Fellowship for the history of cartography.

A facsimile edition of a general map of Western Australia and fifteen watercolours of coastal profiles has just been published by Canaletto in Holland. It records the voyage of Commander Willem de Vlamingh to Australia in 1697 which has been thoroughly researched by Dr. Günter Schilder who rediscovered the documents of the voyage and who has written the text to the facsimile. Dr. Schilder holds the only chair in the history of cartography in the world. The price for this limited edition is £215.

Beryl Bainbridge, the celebrated novelist, will open the Antiquarian Book Fair to be held at the Park Lane Hotel, London, on June 25, 26 and 27.

Over a hundred leading antiquarian booksellers and map dealers will be exhibiting and an exhibition of unique book bindings will run alongside.

The annual general meeting of the International Map Collectors' Society is to be held at the John Rylands Library, Deansgate, Manchester, on Saturday, March 23. Visitors are asked to arrive at 10.30 for coffee and viewing of a map exhibition. Following the opening address by Alan Hulme, a map dealer in Chester, Professor W. Brice of Manchester University will talk about the evolution of the atlas. Following lunch, Dr. B. P. Hindle of Salford University will discuss the English atlases and this talk will be followed by the AGM. Finishing time approximately 4.30pm.

An exhibition, sponsored jointly by the Carson Clark Gallery and the Italian Consulate in Edinburgh, opened on February 16 for two weeks. It was held in the Italian Institute, 2 Melville Crescent, Edinburgh, and demonstrated the cultural and cartographic influence of Italy throughout the world. Maps on display included the work of Piranesi, Coronelli, Magini and Cassini and a fine large scale anonymous town plan of Rome.

The map world is rapidly expanding! Two new babies were born to dealers during October. Nicola Thomson, who deals from her home in South London, gave birth to Emma on halloween (Emma has a brother, Nicolas, aged two) and Mr. and Mrs. Toby Shires of Northwood Maps, Rickmansworth, Herts, had a baby boy named Matthew.

IMCOS welcome the Japanese

pictured at their inaugural meeting on January 6, this year, are the six members of the newly-formed Japanese branch of the International Map Collectors' Society. The idea for this was discussed last September at the IMCOS's map fair in London which was visited by Mr. Kazumasa Yamashita, a keen map collector from Tokyo. The new branch agreed to follow the rules of the established group. They also agreed to try and recruit more members, to meet a minimum of twice a year, to exchange information with

IMCOS headquarters, to assist and inform overseas collectors visiting Japan and to publish a Japanese summary of the IMCOS journal. Officers elected were:- Honorary President, Mr. Hoju Iwata; Representative, Mr. Kazumasa Yamashita; Membership Secretary and Editor, Mr. Tatsuichiro Satô; Public Relations, Mr. Harunobu Kobayashi and Treasurers, Mr. Tadashi Nakayama and Hiroshi Wada. (See Letters to the Editor).



Globes Stolen from RGS

This lovely pair of Chinese globes of the early eighteenth century (each 45.7cm diameter) mounted horizontally on a wooden stand, was amongst five stolen recently from the Royal Geographical Society in Kensington Gore, London. Anyone who can provide any information as to their whereabouts is asked to contact the RGS Map Room or *The Map Collector*. The other three missing globes are Newton's celestial globe of 1851 (55cm diam.) on a library stand; Cary's celestial globe dated March 1816 (46cm diam.) on a library stand with a compass below; and a facsimile of Martin Behaim's globe of 1492 made by G. Phillips and Company in 1908.





'Changing perceptions' in Florida



Waldo and Marilyn Graton, map dealers in Chicago and Miami, join Dr. Joseph Fitzgerald, guest curator at the exhibit 'Changing Perceptions', held recently at the Historical Museum in Miami. 198 maps of the Caribbean area were on display loaned by collectors in South Florida. They were organised so as to highlight changes in perception of the shape of Florida and to illustrate exploration. Catalogues of the exhibition are available from the Museum.

Map Librarians to Discuss Paper Conservation

THE ASSOCIATION OF Canadian Map Libraries will hold its nineteenth annual conference at the University of Manitoba, Winnipeg, Canada, from June 4-7, 1985. The Association, headquartered at the Public

Archives of Canada in Ottawa, is made up of librarians and archivists from across Canada who specialize in the care of cartographic materials. The conference will be co-sponsored by the Provincial Archives of Manitoba and the University of Manitoba libraries, with most events being held at the university. Organizers are Hugh Larimer, map librarian at the University of Manitoba, and Tim Ross, cartographic archivist at the Provincial Archives.

A featured event will be a workshop on paper conservation, to be conducted in the Archives' conservation lab, which is one of the finest of its kind in North America. Staff conservator John Kohler will lecture on the causes of paper deterioration and restoration techniques for old maps. Members will receive 'hands-on' instruction in protecting and restoring their own cartographic materials, so that by the end of the session they will know how to employ preventative maintenance in their repositories and how to

make simple repairs to damaged maps.

The conference organizers have planned a variety of other activities to develop the theme of 'Mapping the Prairies'. Scheduled events include an address by Emeritus Professor of Geography Thomas Weir on atlases of Manitoba, and a field trip to replicate a portion of the original 1870's Dominion Lands Survey in southern Manitoba. Dr. Richard Ruggles, professor of historical cartography at Queen's University, Kingston, Ontario, will speak on Hudson's Bay Company mapmaking.

The following week, June 8-13, 1985, the SLA will also hold its annual conference in Winnipeg. It is North America's second-largest association of professional librarians, with more than 11,000 members. Among the many events planned are a visit to the Provincial Archives of Manitoba, where members will inspect historical maps at both that institution's Map Room and the Hudson's Bay Company Archives.

£45,000 Paid for Columbine Collection

THE DEPARTMENT OF ASTRONOMY and Navigation of the National Maritime Museum at Greenwich have acquired a superb collection of charts, coastal views, landscapes and ship portraits in watercolour, all by a serving naval officer, Edward Columbine (c. 1760-1811). In view of the exceptional quality and 'national' nature of the material the entire cost of £45,000 was provided by the National Heritage Memorial Fund.

Captain Columbine's career covered a particularly interesting period for British Naval hydrography when the newly-founded Hydrographic office was struggling to define a policy for the future, and he played a prominent role in the events that led up to the dismissal from office of the first Hydrographer of the Navy, Alexander Dalrymple, in 1808. In 1810 he led an expedition to capture French Senegal during which his flagship, the *Solebay*, went aground and was lost, although he himself was exonerated from blame. He died of fever onboard HMS *Crocodile* off the Azores while on his way home in 1811.

The collection comprises over 150 paintings and drawings covering Columbine's service in the West Indies, Trinidad, the Shetlands, Norway and West Africa. In addition, the museum also possesses an ornamental sword presented to Captain Columbine by the merchants of Trinidad in gratitude for his services to the island.

HM Cutter *Resolution* surveying off Staffa Island, 1792. One of the watercolours by Edward Columbine (c. 1760-1811) acquired by the National Maritime Museum with a grant from the National Heritage Memorial Fund. (By Courtesy of the National Maritime Museum)

The Mapping of the Commonwealth

A CONFERENCE organised jointly by the British Library and the Commonwealth Institute entitled 'The Mapping of the Commonwealth' is to be held in London on May 23 and 24, this year.

The first day of the conference is to be hosted by the British Library and will feature papers designed to discuss the historical background to the cartography of the commonwealth. Dr. Helen Wallis, Map Librarian of the British Library, will be presenting a paper on the cartography of the eighteenth and nineteenth centuries with examples from Africa, Australia, India, Canada and New Zealand. Peter Barber, of the Department of Manuscripts, will be discussing early maps of the sixteenth and seventeenth centuries including examples of Portuguese mapping. Other features of the first day include a talk by James Elliot on the equal-area projection of Dr. Arno Peters, recently published by the United Nations Children's Fund, and a special exhibition of historic maps in the Map Library.

The second day will be held at the Commonwealth Institute. This part of the conference will include a film produced by the Overseas Surveys Directorate showing mapping work in Kenya, Sarawak and the Gambia, and will also include a session on the applications of remote sensing by satellites.

Further papers on the subjects of atlas-making for the commonwealth and African surveys of 1890-1940 are also planned. Details of the course are available on request to: Ms Maggie Butcher, Deputy Chief Executive, The Commonwealth Institute, Kensington High Street, London W8 6NQ.

IN MEMORIAM

Karl Handler 1901-1974

In commemoration of the ten years that have passed since the death of Karl Handler of Vienna and Buenos Aires, his widow Li organized a very moving evening at the Haifa Maritime Museum, to which the Handlers contributed financially and gave over 1,000 maps and prints during the many years that they supported this important Museum. Karl Handler's family and friends recalled a few of the many facets of this famous collector and Li Handler reprinted the Holy Land catalogue published by the Museum and now out-of-print and gave the new edition to the Museum. This is the sort of gesture that Li's many friends understand as coming from a lady that continues the work and hobby of old graphics that she shared with her husband for so many years, and has since faithfully continued, in deeds and not words alone.

The Handlers were great travellers and anyone who had met Karl is unlikely to forget the handsome multi-lingual well-dressed man, who was equally at home with the important and the not important people, who loved life totally and maps in particular, who was always willing to interrupt the busiest working day in order to devote himself to any visiting map collector, and who gave all the benefit of his time, his taste and his generosity.

Karl Handler was a very special man, he did not waste his time or his money but never turned away a human need. Yes, he was many wonderful things, but to me he was more than all of this, he was my father.

Eva R. Wajntraub



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International Map Collectors' Society

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MAP FAIR & EXHIBITION
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June 22-23, London**

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BOOK REVIEWS



THE HISTORY OF POLISH CARTOGRAPHY FROM THE 15TH TO 18TH CENTURY. By Karol Buczek. Translated by Andrzej Potocki. (Available from Meridian Publishing Co., P.O. Box 4061, Amsterdam, 1982) XVI, pp.7-125, 60 numbered maps, 1 folded map in pocket (24½ × 21cm) ISBN 90 1041 146 3.

Karol Buczek, who died in 1983, was one of the most outstanding Polish medieval historians and authorities on the history of Polish cartography. He was the author of 170 books, monographs, and articles on medieval history, cartography, and history of archives and libraries and the methods of arranging them. He is best known among historians of cartography for his publications in the field of Polish cartography like *Polish Cartography during the Reign of Stefan Batory* (1933).

Professor Buczek began his work on the history of Polish cartography with *A Glimpse at the History of Polish Cartography*, published in an exhibition catalogue at the International Congress of Geography in Warsaw in 1934. In 1963, he wrote in Polish *The History of Polish Cartography*, translated into English in 1966. The handsome volume under review is the second English edition, with a new foreword, 435 bibliographical notes, 60 black and white maps of Polish territories, and bibliography of author's printed works. There is also an introduction, index of names, index of ethnographical and geographical names, and list of maps.

The text and accompanying maps present a complete history of cartographic representation of Polish territories, beginning in the antiquity with Ptolemy's *Geography* (c.150 A.D.). The map of European Sarmatia is the first reproduction and is taken from the 1482 Ulm edition of Ptolemy. Buczek also describes the lost map of the northern provinces and the lands belonging to the Teutonic Order, which was shown to the Pope in 1421 by the Polish envoys to settle a territorial dispute.

The origins of modern cartography in Poland are related to the map of central Europe by Nicholas of Cusa (1401-1464). A Pole, who supplied the information about his country for the Cusa map, could have been Jan Dlugosz, a famous historian and author of *Chorographia Poloniae*, a detailed geographical description of Poland.

The Golden Age of Polish cartography is connected with Bernard Wapowski (1475-1535), an outstanding man of science, generally considered the father of Polish cartography. In 1526, two woodcut maps of Sarmatia (Poland) by Wapowski were produced in Cracow. These maps might have been used by Mercator, Münster, and in numerous editions of Ptolemy's *Geography*. Wapowski was helped by his friend and colleague, Nicholas Copernicus, the great Polish astronomer, philosopher, and mathematician, who also contributed directly to the

development of Polish cartography by drawing in 1510 a *Map of Prussia*.

In the second half of the sixteenth century, there was a general decline in Polish science and learning and all the better maps were alterations of the map of Wapowski. The best was the map of Poland drawn by Wacław Grodecki in 1557, which gained great popularity in numerous editions of Ortelius' *Theatrum Orbis Terrarum* and, in other versions, in the atlases of great European cartographers.

The work of Maciej Strubiec, who made maps of Poland, Lithuania, Livonia, and Muscovy (1589) for King Stefan Batory, and of Prince Radziwill and Tomasz Makowski, who produced the map of the Great Duchy of Lithuania in 1613, advanced the state of Polish cartography. The Frenchman Guillaume le Vasseur de Beauplan, who enlisted in the Polish army and remained in Polish service for seventeen years (1630-1647), drew the map of the Dniepr River, published in the Blaeu atlases of 1662 and 1668, and of the Ukraine. Both maps radically reformed the cartographic representation of the whole area. Beauplan's small map of Poland reflected almost correctly the true relations of the Polish territories stretching between the Baltic and the Black Sea, and from the Odra to the Donec River.

Thanks to these efforts, in the next 100 years, characterized again by a crisis of Polish cartography, the mapping of Poland could be continued, mostly by foreign cartographers. The reform of the cartographic image was advanced by Sanson, Mayer, Vaugondy, and Delisle, and allowed Prince Jablonowski to stimulate the Polish cartography, when he produced with Rizzi Zannoni the map of the whole country based on Polish materials, on the scale 1:692,000, and in twenty-four sections.

The History of Polish Cartography ends with the revival of Polish cartography and military plans during the reign of Stanislaus Augustus Poniatowski, the last king of Poland (1764-1795). Supported by a group of cartographers under the leadership of Karol de Perthées, Jan Bakalowicz, and Francis Czaki, the King organized topographical surveys for the new map of the country. The incomplete results of these efforts were the maps of Poland by Perthées; one, in 48 sections, on the scale 1:934,000, and another, a small road map, about 1:4,700,000.

This book is a monument to the author's scholarship and determination. There are no comparable modern analyses of the national histories of cartography in Germany, France, and Great Britain. Professor Buczek was prevented twice from completing this work: first, by the Second World War, when the Nazis destroyed his *Monumenta Poloniae Cartographica*, a collection of reproductions of major maps depicting Polish territories, including the 1526 map by Wapowski and second when he was sentenced to fifteen years in prison for his political activity. When he died, he was recognized by his compatriots as an

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outstanding scholar and a co-founder of the modern history of Polish cartography.

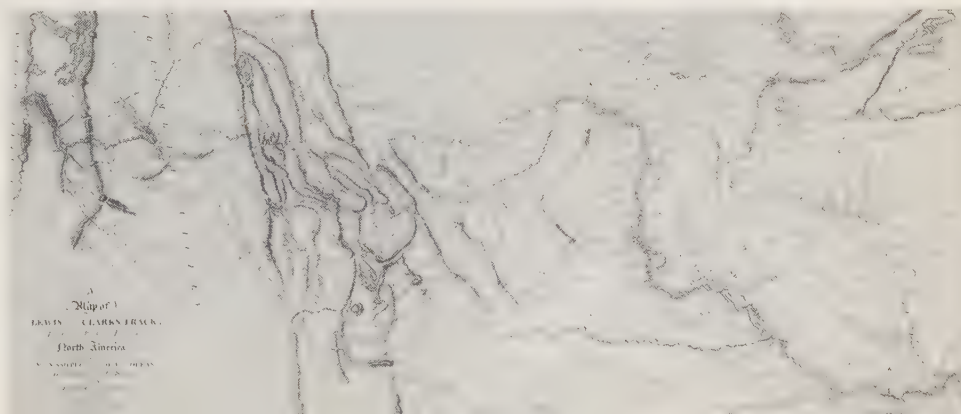
Michael J. Mikoś (Department of Slavic Languages, University of Wisconsin, Milwaukee).

ATLAS OF THE LEWIS & CLARK EXPEDITION. Edited by Gary E. Moulton. Lincoln and London: University of Nebraska Press, 1983. pp. 23 + 126 maps (49.5 × 34.5 cm), £95.00. ISBN 0-8032-2861-9.

Between May 1804 and November 1805 Captains Meriwether Lewis and William Clark led a military Corps of Discovery from St. Louis up the Missouri River, across the northern Rocky Mountains, Columbia Plateau and Cascade Range to a point near present-day Astoria at the mouth of the Columbia River. Between March and September 1806 they returned, the party splitting into three in the middle section in order to explore alternative routes. Conceived by Thomas Jefferson, it was the first of many expeditions sent to the west by the government of the United States, the first to reach the Pacific Northwest by land and the first in western North America to attempt and achieve reasonably precise standards of observation and recording.

The original journals and maps were first edited by R. G. Thwaites and published in 1904-1905 (reprinted 1959) in eight volumes, the last of which was a boxed set of facsimile reproductions of fifty-four maps accompanied by a 1500-word Introduction. Since then much more manuscript material has come to light, including 'a substantial body of maps'. Under the editorship of Gary Moulton and with the aid of grants from the National Endowment for the Humanities, the Center for Great Plains Studies at the University of Nebraska-Lincoln and the American Philosophical Society have jointly accepted the challenge to produce a new edition and this time the atlas volume is the first, not last, to be published. The editor justifies this priority with the assessment that the Thwaites atlas was the part of his edition that stood most in need of

The first published map incorporating the discoveries of Lewis and Clark was compiled by Samuel Lewis, a noted Philadelphia mapmaker, from William Clark's large manuscript map of the West. An illustration from the *Atlas of the Lewis and Clark Expedition* reviewed here by Malcolm Lewis.



revision'. Fifty two of the 126 maps reproduced in the new volume were either unavailable, unknown, or overlooked as unimportant by Thwaites. Those which were included were badly reproduced by modern standards, lacked adequate cartobibliographic descriptions and were barely referred to in the notes to the preceding seven volumes of journals.

Physically, visually and conceptually the new atlas is a magnificent work. It is set in VIP Baskerville, printed on 100-pound Mohawk Superfine paper, sturdily bound and pleasingly designed. The large format permits 118 of the maps to be reproduced at their original size. The quality of the reproduction is excellent, 115 of the originals having been specially photographed by the publisher. Forty two have never before been published. All but one of the known corpus of sheet maps to have been drawn up during the expedition are included but the many sketch maps included within the journals are omitted. The maps are arranged approximately chronologically in nine sections. The first section contains six preliminary maps, made or collected before the expedition left St. Louis, and the last post-expeditionary maps, four compilations made after the return. Most of the maps were made by Clark but not all of these were original. They include his copies of maps made for him by Indians. His maps of the first part of the route have been lost but six earlier maps by Evans (which were carried on the expedition) and seventeen copied in 1833 from the now lost maps are included. The eleven-page Introduction covers each of the nine sections of maps. It is scholarly and supplemented with 142 bibliographic notes. The three-page Calendar of Maps is adequate for the purpose, though it will fail to satisfy the cartobibliographic purists.

Historians of exploration and of the American West will obviously welcome this atlas but what is its significance for historians of cartography? First it makes available in printed and usable form an important corpus of manuscript maps, the originals of which are held by seven geographically-scattered institutions. For the first time it will be possible to make comparative studies, though in the absence of detailed cartobibliographic information these are likely to be less penetrating than might have been. Secondly, just as Allen¹ has demonstrated the influence of prior geographical knowledge on Lewis and Clark's strategies and Wheat² has indicated the influence of Clark's final and printed cartographic synthesis of 1814 on later maps of the American West, it now becomes possible to study thoroughly the mix of first- and second-hand cartographic information on which that synthesis was based. When that task is undertaken the use and unknowing misuse of the information received from others (especially Indians) in map form is likely to be more apparent than hitherto. That task can now begin, though its completion must await the publication of nine further volumes of journals (there is to be an additional one on the natural history of the expedition). According to the prospectus these 'will contain some illustrations'. Historians of the cartography of the American West will hope that these include facsimiles of at least some of the many small-format sketch maps not included in the atlas (Thwaites included reproductions of some of these in his journal volumes). Meanwhile, they will be grateful to the sponsors, editor and publishers for an initial task which, cartobibliographic details apart, has been superbly completed.

References:

- 1 John L. Allen, *Passage through the Garden*... (Urbana, Chicago and Illinois, 1975), esp. chaps. 1-3.
- 2 Carl I. Wheat, *Mapping the Transmississippi West*

1540-1861 vol. 2 (Menlo Park, Calif. 1958), esp. chaps. 14 and 15.

G. Malcolm Lewis (Univ. of Sheffield)

EARLY SEA CHARTS by Robert Putnam. (Published by Abbeville Press, 505 Park Avenue, New York, NY 10022; 1983). pp. 143; 78 plates (74 in full colour); 400 × 305 mm. Price US\$ 45.00 or £24.95. ISBN 0-89659-392-4.

Of all the nations in Europe the Dutch and the British share the closest seafaring traditions. From the late sixteenth century onwards both countries set out to unseat the established Spanish and Portuguese empires by naval excursions of great fortitude. The roving expeditions of Frobisher, Davis, Drake and Cavendish were followed by the English presence in Virginia, Massachusetts, Surat and Madras. By the early 1600s the Dutch, who had boldly established settlements in Batavia, Japan, Brazil and Manhattan, seemed to be the dominant challenger. The superiority of their sea charts undoubtedly contributed in no small way to their early success.

It is the story of these and earlier explorations and trading ventures that is told through the medium of sea charts and maps by Robert Putnam in his book *Early Sea Charts*. A companion volume to Tony Campbell's *Early Maps* (also published by Abbeville Press), there are seventy eight plates with descriptive commentary and of these nearly seventy are large size and in full colour. Mr. Putnam's work is however more than a most attractive coffee-table book. He has carefully studied the historical and technological connotations of each chart, and cleverly combines these themes as parallel but inter-related perspectives. The book is arranged by geographical area, starting with the Mediterranean, spreading out to the South Atlantic, West Indies, West European waters, North Atlantic, and the Indian and

Pacific Oceans. This treatment allows a broad historical sequence to be followed. At the same time Mr. Putnam intersperses more technical comments: how sea charts were derived from *peripli*, the pilot's guides of antiquity; the significance of astronomical observations; the steps towards determining longitude and how the map trade in the Netherlands was organised. The text, aimed at the general reader, is explicit and relevant.

Maps tell their story by communicating visual detail and by evocation through decoration, vignettes and imagery. *Early Sea Charts* enables us to study and enjoy some superb reproductions of the marine cartographer's art: delicate early portolani; the highly elaborate manuscripts on vellum of the Dieppe School; bird's-eye harbour plans by Linschoten and Vingboons; the coastal profiles of Waghenaar; examples from the great atlases of Blaeu, Goos, De Wit and Doncker; and the meticulously designed charts of the Van Keulen family. Abbeville Press are to be congratulated on their production techniques that have allowed the publication of this work with so many fine colour plates at what is nowadays a most reasonable price of under £25. *Early Sea Charts* is a book I most strongly recommend.

Rodney W. Shirley

(Author of *The Mapping of the World*)

THE EARLY MAPS OF SCOTLAND TO 1850 by A Committee of the Royal Scottish Geographical Society. Third Edition. Volume I. Revised and Enlarged with *A History of Scottish Maps* by D. G. Moir. Edinburgh: The Royal Scottish Geographical Society, 1973. pp. 243, 1 colour plate, 10 black and white illustrations. ISBN 0 904049 00 0. Price £7. THE EARLY MAPS OF SCOTLAND TO 1850 by A Committee of the Royal Scottish Geographical Society. Third Edition. Volume 2. Edited by D. G. Moir. Edinburgh: The Royal Scottish Geographical Society, 1983. pp. 310, 4 black and white illustrations. ISBN 0904049 02 7. Price £12. Both post free.

Students of the early maps of Scotland have been enthusiastically served by several generations of devoted chroniclers of the national cartographic heritage. This may be a measure of Scotland's strong sense of nationhood as well as of a curiosity about maps fostered by the Royal Scottish Geographical Society since its foundation in the nineteenth century. Indeed, in this respect, Scotland is ahead of other nations in the British Isles, since there are no comparable union listings, extending to different map types, of the early maps of England, Wales, or Ireland. *The Early Maps of Scotland* was first published in 1934 to mark the Jubilee of the Royal Scottish Geographical Society. A second, enlarged edition, was issued in 1936. This included a period-by-period list of smaller-scale maps showing 'Scotland alone', followed by 'Miscellaneous Maps' – that is to say coastal charts and river maps, road maps and itineraries, canal maps, railway maps, agricultural maps, geological maps and historical maps – and then by listings of the larger-scale maps of individual Scottish counties. It is this model – with added lists, such as that of town plans – which has largely determined the scope and organization of the present third edition in two volumes.

While continuity in bibliographical matters may be admirable in principle, slavish adherence to the concepts of fifty years ago has proved to be a handicap in practice. What may have been innovative in the 1930s is now antiquated. This is largely because the 'Committee of the Royal Scottish Geographical Society', who claim corporate authorship of lists in both volumes (albeit



AMSTELADAMI EX OFFICINA IOHANNES LOOTS
Cum Privilegio Ordinum Hollandiae et Westfrisiae

Frontispiece of a Dutch sea atlas by Johannes Loots (1697) illustrated in Robert Putnam's attractive new book *Early Sea Charts* reviewed here by Rodney Shirley.

nonymously in Volume II), have ignored developments in cartobibliographical methods which became accepted while they were preparing their new work. As a result, their editor, Donald Moir, as been shackled by structural inconsistencies and by impossible choices concerning the content of the two volumes.

The first criticism, therefore, must be that the committee failed to think out the implications of work in which it was aimed to invent 'the early maps of Scotland'. The realisation of such a comprehensive listing of just the maps depicting Scotland as a whole – even apart from the specialist local and regional maps which are also included – would have required a research project and publication programme of massive proportions. As it is, and as in the 1936 edition, no rigorous criteria are presented for including or excluding particular map categories. The impression is gained of improvisation as the work proceeded. Consider, for example, the inclusion of some manuscript maps in a work devoted primarily to printed cartography. Inevitably, they receive uneven treatment. Thus, included is a useful list of early manuscript maps of military roads but excluded are all estate maps, 'with one or two special exceptions', because 'their number is too great for this volume' and the collection in the Scottish Record Office was in any case being covered by the *Descriptive Lists* . . . edited by Dr. Ian H. Adams. There may be good grounds for such a pragmatic decision but what are we to make of the ruling for railway plans, which was to trace and list the original plans, but not the many subsidiary plans which followed? It is the same with the printed maps. The county lists are specially abbreviated and, even if the Admiralty charts were 'too numerous to be included', the reader is scarcely compensated for their omission by being referred to A. H. W. Robinson's *Marine Cartography in Britain* (1962), an interesting narrative history but bibliographically deficient. Furthermore, an odd definition of 'historical maps' is employed, which includes (correctly) those maps appearing in historical atlases or in histories as well as maps that were contemporary with the 1745 Rebellion and which are only 'historical' in the sense of every other item in the work. It would have been more appropriate to group these under the heading military maps.

A second shortcoming is that the cartobibliographical nettle has not been adequately grasped. In Volume I the explanation (p. 157) is given that 'It was not intended to list . . . every edition and every state of a map, but for some of the more important maps editions are mentioned'. But this is to beg the question: for what and for whom is a particular map important? And where is the line drawn? Equally disquieting is the perpetuation of a 1936 decision to shorten 'lengthy and sonorous titles . . . to the salient words on the map for the sake of brevity', a practice which can lead to ambiguity. Who on the Committee chose the key words and why those in particular? Clearly, the reference value of the two volumes is lessened by such arbitrary bibliographical economies. One only has to compare the brief listing of Moll's eighteenth-century maps of Scotland in Volume I with the authoritative descriptions in Donald Hodson's *County Atlases of the British Isles published after 1703* (1984) to gauge the shortfall.

A more satisfying part of the third edition is Donald Moir's essay on 'A History of Scottish Maps'. It does not entirely escape from the view expressed in the second edition, that 'to go into the question of the history of maps, one has to do little more than narrate the story of the chief geographers'. Nevertheless, Moir's 'History' is a useful summary of important maps, as he perceives them, and it does incorporate recent archival work in Scotland and elsewhere. Indeed, properly illustrated, this essay could well have stood as an independent contribution to the history of the mapping of Scotland.

The Early Maps of Scotland is thus like Mr. Punch's curate's egg. Excellent in parts, it leaves one uncertain where its lists approach the acceptably definitive. It has the character of a dealer's catalogue – where discovery has the element of a lucky dip – rather than that of a work of analytical cartobibliography. As suggested at the beginning, this is less a failure, of execution by an editor than a committee's lack of vision in planning a permanent contribution to Scottish map history. Before a major reference work on the early maps of Scotland is eventually produced, and doubtless this will now happen with computer technology, monographs of the calibre of Donald Hodson's *Maps of Portsmouth* or David Kingsley's *Printed Maps of Sussex* will have to be undertaken. A fourth edition this side of the year 2000 cannot be envisaged. To start all over again might be more appropriate.

J. B. Harley (University of Exeter)

PIANTE DELLE DUE RIVIERE, edited by M. Quaini. Published by SAGEP Editrice, Genova, Italy, 1983. 229 pp; 33 double-page maps in colour, 75 illustrations. Hard cover. ISBN 88-7058-097-0. Italian Lire 50,000.

Some of the most beautiful eighteenth century Italian cartography has rarely been seen by the public because it is in manuscript form in Genoese libraries and archives but this facsimile atlas in full colour will go some of the way to righting the situation. It shows the work of Matteo Vinzoni, a land surveyor and chorographer, who was highly regarded by his contemporaries for his representation of the shores, valleys, towns and mountains of the Liguria.

He undertook his work after the plague of Marsiglia in 1720 when the government were trying to control the boundaries of the Republic of Genova for reasons of hygiene. The historical text is written by M. Quaini, highly regarded for his wide ranging research from medieval to modern cartography, in which he explains some of the difficulties encountered in the survey due to the hostility of the local population who regarded the surveyors as instruments of central government intent on increasing taxation!

The publisher of the facsimile atlas is to be commended for the presentation of the atlas, the quality of the colour reproductions, and the binding which has ensured that none of the maps are 'lost' in the folds. The introduction is well written. Altogether, an excellent book from several viewpoints and reasonably priced.

Vladimiro Valerio
(University of Naples)

Catalogues received

ALFIERI (Antique Maps), Spey Lodge, Newick Lane, Mayfield, East Sussex, England. Tel: (0435) 872589. *Antique Maps, Charts, Plans and Views of Europe Autumn 84 Catalogue*. 32pp., 452 entries, 33 ills.

W. GRAHAM ARADER III, 1000 Boxwood Court, King of Prussia, Pennsylvania 19406, USA. Tel: (215) 825 6570. *Catalogue No. 50 Fall 1984 The Very Rare First Issues of the Sea Charts of Sir Robert Dudley*. 45pp., 125 entries, 24 ills, with introduction and bibliography.

A. A. BALKEMA Publishers, Lisseplein 11, P.O. Box 1675, NL-3000 BR Rotterdam, Netherlands. Tel: (+31.10) 666122. *Complete Catalogue*. 32pp. Modern books including some on the history of geography and exploration.

DAVID BANNISTER, 26 Kings Road, Cheltenham GL52 6BG, England. Tel: (0242) 514287. *English and Welsh County Maps by John Bill*



1626. 12pp., 51 entries with introduction, 9 ills.

J. L. BEIJERS, B.V., Achter Sint Pieter 140, 3512 HT Utrecht, Netherlands. Tel: (030) 310958. *Catalogue 177 1984 A Motley Selection*. 56pp., 580 entries. Book list including some atlases, travel and topography.

E. J. BRILL Ltd., P.O. Box 9000, 2300 PA Leiden, Netherlands. Tel: (071) 146646. *543 Iranica 3*. 64pp., 854 entries, 13 ills. Includes books on travel, some maps and Kamal's *Monumenta Cartographica Aegypti & Africae*.

CARTOGRAPHIA Ltd., Covent Garden, 37 Southampton Street, London WC2E 7HE, England. Tel: (01) 240 5687-8. *Catalogue 29*. 6pp., 54 entries with notes, 16 ills. A selection of maps of all parts of the world.

– *Catalogue 30*. 8pp., 242 entries, 13 ills. Maps of the British Isles and counties, with a small selection of books and atlases.

ROBERT DOUWMA Prints & Maps, 4 Henrietta Street, London WC2E 8QU, England. Tel: (01) 836 0771. *New in stock list 11 November 1984*. Folding brochure, 596 entries with notes, 16 ills. Mainly English and French topographical prints.

PIERRE ET MICHEL DREYFUS, 20 Rue des Reculettes, 75013 Paris, France. Tel: 331.95.14. *Livres anciens et modernes*. 34pp., 108 entries, 22 ills. General book catalogue with a few early travel books.

OLWEN CARADOC EVANS, Perllan Caradoc, Conwy, Gwynedd, North Wales, LL32 8AZ. Tel: (0492) 633241. *Antique Engravings. November 1984*. 15pp. Views of all parts of Britain, with a section on Bartlett's American views.

SUSANNA FISHER, Spencer, Upham, Southampton SO3 1JD, England. Tel: (048 96) 291. *Old Sea Charts 49*. 32pp., 185 entries. Charts of all parts of the world and 15 books relating to charts.

RICHARD FITCH, Old Maps & Prints & Books, 2324 Calle Halcon, Santa Fe, New Mexico 87505, USA. Tel: (505) 982 2939. *Americana Catalogue No. 41* (\$2 in N. America, \$5 elsewhere). 54pp., 312 entries with notes, 128 ills. Documents, books, views and maps.

J. A. L. FRANKS Ltd, 7 New Oxford Street, London WC1A 1BA, England. Tel: (01) 405 0274/5. *Antique Maps Catalogue No. 9*. 18pp., 480 entries, 38 ills. Maps of all parts of the world. – *Antique Celestial Charts*. 5pp. leaflet, 116 entries, 4 ills.

THE GLOBE, Rare Maps & Books, P.O. Box A3398, Chicago, Illinois 60690, USA. Tel: 312/528 6228. *Catalog 7* (\$1). 54pp., 151 entries with some notes, 49 ills. Maps of all parts of the world, including Japanese maps and 3 English MS estate plans. Enclosed is a 2pp. *List 14 Reference Books on cartography* with 56 entries.

MRS. D. M. GREEN Antique Maps, 7 Tower Grove, Weybridge, Surrey KT13 9LX, England. Tel: (0932) 241105. *Map List No. 5 North Western & Midland Counties December 1984*. 8pp.

INTERCOL London Ltd, 1A Camden Walk, Islington Green, London N1 8DY, England. Tel: (01) 354 2599. *Playing Cards List No. 3 Winter 1984 Playing Cards of the World*. 30pp., 8pp. of

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This print, in the French tradition of caricature using animals, shows a British cat being attacked by the alliance of the American rattlesnake, the French cock and the Spanish lion. Holland is represented by a bundle of seven arrows tied together by a ribboned snake labelled 'Uni por la liberté.' Beneath the central allegory and providing a base is a globe showing the Western Hemisphere encircled with a belt which reads 'Honi Soit.' This belt or garter is breaking and on the loose end is a parody on the rest of the motto of the Order of the Garter reading, 'Qui Trop Embrasse Mal Etreint'. The global shape echoes the main picture. The French message charges that British institutions are strangling the world, but the grip is crumbling and being punished by the French in their own off-colour joke.

This is an etching published in Paris about 1779 and the full title is 'Omne Animal Post Coitum Triste Proeter Gallum. Leur Imprudence, Présomption Orgueil et tyrannie son Humiliés. Tu la Voulu. GDD Inv.' (Kindly submitted by Don Cresswell of the Philadelphia Print Shop).

ills, with a 6pp. insert. Decorative cards illustrating all kinds of subjects, including topography and geography.

ANTIQUARIAT RUTHILD JÄGER LÜNEBURG, Steinweg 17, D-2120 Lüneburg-Oedeme, W. Germany. Tel: (04131) 42797. *Antiquariats-katalog* 70. 28pp., 215 entries, 16 ills. Maps of all parts of the world, atlases and books on geography and the history of cartography.

– *Liste 71 Geographie, Reisen, Orts- und Land- esgeschichte*. 8pp., 148 entries. 19th & 20th century books, mainly on geography and travel, with some maps.

HELEN H. KAHN, Antiquarian Books, P.O. Box 323, Victoria Stn, Montreal, Quebec, Canada H3Z 2V8. Tel: (514) 844 5344. *Behold This World So Wide Travel and Exploration 16th-19th Centuries. Catalogue 18 Autumn 1984*. 48pp., 123 entries, some with notes, 5 ills. Books on exploration, atlases and some maps. Enclosed is a 4pp. leaflet *1984C Canadian & American Pamphlets pre-1867*.

D. & E. LAKE Ltd, 106 Berkeley Street, Toronto, Canada M5A 2W7. Tel: (416) 863 9930. *Catalogue No. 69 Travel*. 74pp., 417 entries, some with extensive notes, 9 ills. Mainly books on exploration, some atlases.

– *Catalogue No. 70 Canadiana & Americana*. 74pp., 662 entries with some notes, 1 ill. Wide range of material, with atlases, maps and books on exploration.

– *Cartography No. 5 Selection of Antique Maps*. 27pp., 173 entries with notes, 19 ills. Covers all parts of the world.

P. J. MORRIS, 11 The Orchard, Marston Green, West Midlands B37 7DH, England. Tel: (021) 779 3718. *Catalogue 2 Antique Maps*. 18pp., 12 ills. Mostly maps of Britain and the counties, 6pp relating to the rest of the world, 6 atlases.

RICHARD NICHOLSON OF CHESTER, 50

Stoneydale, Christleton, Chester CH3 7AG. Tel: 0244 336004. *Catalogue 147*. 65pp., 57 ills. Maps of all parts of the world.

NORTH AMERICAN MAPS & AUTOGRAPHS, 97 Fort Washington Avenue, New York, NY 10032, USA. Tel: (212) 568 0639. *List Number One* 13pp., 49 entries, some with notes. Mostly American maps, MS documents and a few books.

– *List Number Two*. 14pp., 43 main entries, some with notes, 8 ills. Mostly American and world maps with some MS.

RUSSBOROUGH, P.O. Box 422, Station R., Toronto, Ontario, Canada M4G 4C3. *Catalogue Number 10 Canadian Towns and Cities Centenary Celebrations Issue*. 70pp., 2 index sheets, 186 entries with full notes, 155 ills. Views and some maps.

ANTIQUARIAT STENDERHOFF, Alter Fischmarkt 21, 4400 Münster, W. Germany. Tel: 0251 44749. *Antiquariatskatalog 393. November 1984 Alte Städteansichten und Landkarten* (DM 5). 196pp., 3000 entries, 141 ills. Half the items are German maps and views, the rest other parts of the world.

HENRY STEVENS, SON & STILES, 4 Upper Church Lane, Farnham, Surrey, GU9 7PW, England. Tel: (0252) 715416. Also P.O. Box 1299, Williamsburg, Virginia 23187, USA. Tel: 804 220 0925. *Catalogue Americana 98*. 22pp., 224 entries. Documents, books and maps.

H. TH. WENNER, Heger Str. 2-3, D-4500 Osnabrück, W. Germany. Tel: 05 41/2 55 16. *Antiquariatskatalog 317 Stadtansichten und Landkarten*. 120pp., 2200 entries, 64 ills. Maps and views of all parts of the world.

– *Antiquariatskatalog 318 Bücher und Graphik*. 180pp., 3136 entries, 56 ills. The major part lists maps and views of Germany and all parts of the world.

Publications Received

ANTIQUE MAPS SEA CHARTS CITY VIEWS CELESTIAL CHARTS & BATTLE PLANS. PRICE GUIDE AND COLLECTORS' HANDBOOK FOR 1984. *Compiled and edited by David C. Jolly*. (Published by David C. Jolly, P.O. Box 931, Brookline, Massachusetts 02146. Also available from Map Collector Publications (1982) Ltd., 48 High Street, Tring, Herts HP23 5BH.) pp. 288. ISBN 0 911775 01 3. This is an update of David Jolly's 1983 price guide which has proved popular. Includes useful information for dealers and collectors. e.g. How to detect reproductions and a list of reference books. The prices are in dollars. Price \$31.50. £20 (UK) p & p.

GREAT PLAINS QUARTERLY. SPRING 1984. VOL. 4 No. 2. (Published by the Center for Great Plains Studies, 1214 Oldfather Hall, University of Nebraska-Lincoln, Lincoln, NE 68588-0314, USA. 1984) pp. 140, B/W illustrations. Includes an article by William Holtz on Laura Ingalls Wilder and another on Indian maps by Malcolm Lewis (Sheffield University). Annual subscription price \$12 and single issues \$4 plus postage and handling \$.75.

FACSIMILE MAPS FROM THE JOHN CARTER BROWN LIBRARY. (Available from The John Carter Brown Library, Box 1894, Providence, Rhode Island 02912, USA.) pp. 15. A catalogue of the facsimile maps available from the Library. 50 items listed and illustrated plus ordering details.

TRAVELLER'S HISTORY OF BRITAIN AND IRELAND by Richard Muir. (Published by Michael Joseph Ltd., 44 Bedford Square, London WC1. 1983) pp. 304, fully illustrated in colour and black and white. This book provides a fascinating exploration of sites and monuments in Britain and Ireland which Richard Muir has found to be especially interesting. They include the Cairnholly Tombs, the Avebury Complex in Wiltshire and two lost villages on Dartmoor. Price £12.50.

OLD MAPS OF THE LAND OF ISRAEL. THE NATIONAL MARITIME MUSEUM OF HAIFA. (Reprinted in Austria, 1984) pp. 64. Illustrated in colour and black and white. This is a catalogue of the cartographic collection of the National Maritime Museum in Haifa and is a reprint in memory of Karl Handler who died in 1974 and was founder and promoter of the atlas and map collection of the Museum. Printed in English and Hebrew.

LYKION TON HELLINIDON. Diary 1985 (Available from Lykion ton Hellinidon/Lyceum Club of Greek Women, Publishing Department, (31, Orchard Court, Portman Square, London W.1.). This diary features 55 black and white, and 2 colour plates of printed maps of Greece and the Greek islands. These range from the sixteenth to eighteenth centuries and are all described bibliographically with reference to C. G. Zacharakis's *A catalogue of Printed Maps of Greece 1477-1800* (Nicosia 1982). An important point is that the good quality plates illustrating this diary were not amongst those previously reproduced in the Zacharakis catalogue. Price £5.00. plus p & p.

THE NEWNES HISTORICAL ATLAS. General Editor R. I. Moore (Published by The Hamlyn Publishing Group Ltd., Astronaut House, Hounslow Road, Feltham, Middlesex. Students' edition published by Edward Arnold Ltd., 41 Bedford Square, London WC1 3DQ. 1983) pp. 176. Fully illustrated with coloured



aps. ISBN 0 7131 0812 6. 'Show me the map of a region and I will tell you its history' is the quotation used by R. I. Moore of the University of Sheffield, in his introduction to this book. He explains that the first aim of any historical atlas is to show the development of human society and, in addition to historical maps, much of the material of a geographical atlas. The atlas is broken down into four main sections, The Ancient World, Heirs to the Ancient World, The Age of European Supremacy and The Emergence of the Modern World. Very clear and easily read maps and well printed text. Price £7.95.

NIEDERSÄCHSISCHE STAATS- UND UNIVERSITÄTSBIBLIOTHEK GÖTTINGEN. *Geowissenschaften 1 Geographie Neuerwerbungen Nr 43 1983*. Accessions list of publications on Geography and the related sciences. 31 pp.

THE PRINTED MAPS OF STAFFORDSHIRE 1577-1850 by Geoffrey L. King. (Staffordshire County Library Headquarters, Friars Terrace, Stafford, England. 1982) 39 pp., 4 illustrations., 102 entries arranged chronologically with an index of names. There are brief bibliographical notes on each entry.

HUNGARIAN GEODÉZIAI ÉS KARTOGRÁFIAI IRODALOM. Geodéziai bibliográfia 1971-1982. Kartográfiai bibliográfia 1498-1975. (Published by Muszaki Könyvkiadó. Budapest. Obtainable from Kultura Publishing House, Budapest, Hungary). Price 188 forint. This is Volume 3 of a listing of Hungarian geodetical and cartographical literature by the Board of the Hungarian Society for Geodesy and Cartography. The work of the author, Dr Benedy, had to be taken over by Dr Karsay Ferenc as the former died while the book was in preparation.

GEOWISSENSCHAFTEN 1 GEOGRAPHIE NEUERWERBUNGEN Nr 40 1983. (Niedersächsische Staats-und Universitätsbibliothek

Göttingen) 36 pp. Accessions list of publications on geography and related subjects in catalogue sequence.

— GEOWISSENSCHAFTEN 1 GEOGRAPHIE NEUERWERBUNGEN Nr 41 1983. 31 pp.

— GEOWISSENSCHAFTEN 1 GEOGRAPHIE NEUERWERBUNGEN Nr 42 1983. 38 pp.

— KARTENSAMMLUNG ATLANTEN UND KARTEN NEUERWERBUNGEN Nr 15 1983. 46pp Periodic accessions list of atlases and maps, arranged in catalogue sequence.

LETTERS TO EDITOR



Madam,

We are in the process of finishing a cartobibliography of maps and atlases of Ireland found in the collections of the Geography and Map Division of the Library of Congress. If anyone knows of any map libraries, historical societies, or archives which have the six-inch scale (1:10,560) Irish Ordnance Survey maps, we would appreciate hearing from you. We would like to know if the maps are the first edition (1833-1846) or later editions. Those libraries or archives which do have these maps will then be listed in the introduction to the cartobibliography for the convenience of the users.

Eileen McConnell
3602 Isbell Street
Silver Spring, Maryland 20906
Tel: 301-946-6670 or
Barbara O'Brien
13414 Oriental Street
Rockville, Maryland 20853
Tel: 301-949-8382

Madam,

My purpose in writing is to seek aid in the location of certain maps made by Jedediah Hotchkiss and which are not contained in the Hotchkiss Collection in the Geography and Map Division of the Library of Congress. As to be expected, for the man who was Topographical Engineer to 'Stonewall' Jackson and other confederate generals, the major part of this collection of his maps comprises three maps made during his service in the Virginia campaigns of the Civil War. It does, however, contain examples of his cartographic work associated with his peacetime activities as a promoter of Virginia's natural resources.

Arguably the most important of these is 'Hotchkiss' Geological map of Virginia and West Virginia. The geology of Professor William B. Rogers, chiefly from the Virginia State survey 1835-41. With later observation in some parts. This map, at a scale of 24 English statute miles to one inch, was first produced for

the Virginia Geographical and Political Summary, 1876, commissioned by the Board of Immigration. Subsequently it was used for a number of purposes. Overprinted in red to show the proposed route of the Richmond and South Western Railway, it was issued as a supplement to the June 1880 number of *The Virginian*, a mining journal published by Hotchkiss. The following year it formed the basis of a larger scale version 48 x 72 in. made to hang in the office of F. J. Kimball, Vice President of the Norfolk and Western Railroads and a still larger one, 6 x 13 ft., was commissioned by the Virginia State Agricultural Society.

In 1884 Hotchkiss had special responsibility for Virginia's mineral exhibit at the New Orleans Exposition and for this he prepared ten maps illustrating physical and administrative themes including geology, climate, railways and counties. They were to a scale of 3.5 miles to one inch, 6 x 12 ft. in size mounted in 6 in. wide frames each made from a different kind of Virginia wood 'handsomely finished to show their character.' When the exhibition was dismantled Hotchkiss donated these greatly admired maps to the state and they became the charge of the Commission for Agriculture. Later he suggested that they be loaned to Randolph Macon College where they were certainly located in 1894. In that year it was thought that they might be used to enhance the Virginia exhibit at the Chicago World Fair, but although they were removed from the Randolph Macon College they never reached Hotchkiss for revision and hence were not exhibited. Hotchkiss then suggested that the maps should be housed by the Richmond Chamber of Commerce, but there is no evidence that they were ever hung there either.

So far my enquiries have failed to yield any clues as to their subsequent history and I would be grateful for any information that would help to unravel this especially if it led to locating their present whereabouts.

P. W. Roper
Green Acres
Thelda Avenue
Keyworth
Nottingham

Madam,

Whilst not wishing to spoil what might be an Italian joke, I must remark that the diagram found by Dr. Rozza (TMC 29, p.51) is not a map of the world but merely of quite a small part of it. His 'unsophisticated Franciscan priest' (who is apparently only 5 inches tall!) did not, I am sure, intend it to be taken seriously by cartographers; and I hope he is rolling with mirth safely in heaven.

Roger Mason,
86A Banbury Road
Oxford

Quote for the Day

An excerpt from:
The Hunting of the Snark
in agony in eight fits.
By Lewis Carroll, (1876)

Fit the Second THE BELLMAN'S SPEECH

The Bellman himself they all praised to the skies—Such a carriage, such ease and such grace! Such solemnity too! One could see he was wise, The moment one looked in his face! He had bought a large map representing the sea,

Without the least vestige of land: And the crew were much pleased when they found it to be A map they could all understand.

'What's the good of Mercator's North Poles and Equators, Tropics, Zones, and Meridian Lines?' So the Bellman would cry: and the crew would reply "They are merely conventional signs!

'Other maps are such shapes, with their islands and capes! But we've got our brave Captain to thank" (So the crew would protest) "that he's bought us the best—A perfect and absolute blank!"

This was charming, no doubt: but they shortly found out That the Captain they trusted so well Had only one notion for crossing the ocean, And that was to tingle his bell.

Kindly submitted by Stephen Luck of Tooley Adams and Co., map and atlas dealers,

LETTERS



Madam,
I was deeply shocked to read of the death of Heather Lawrence in the December issue of *TMC*. When her book on Christopher Saxton was first published my friend Clifford Stephenson suggested that I coloured all the plates in her book so that he might present her with a special copy. This I did and had an extremely kind letter from her in thanks. I also corresponded with her on other occasions and feel that she will be greatly missed by the cartographic world.

Victor Edwards
4 Baldwin House
294 Baldwins Lane
Hall Green
Birmingham

Madam,
I think you will agree that *The Map Collector* would be the last place for a Turk to come across a picture of his grandfather who had nothing to do with cartography! However, this happened to me in the December issue, page 50, *Cartographical Curiosities* 22, where the Turkish general at the bottom of the page of the Italian daily *Excelsior* is, I believe, Mahmut Muhtar Pasha, who was the Minister for Marine at the time.
I would be most grateful if you would pass this letter to Mr. D. R. Lyon with whom I would like to correspond in order to find out more about this very interesting curiosity.

F Muhtar Katircioglu
Karanfil Araligi No: 14
Levent
Istanbul
Turkey

Madam,
I am a subscriber to *TMC* and thanks to the information in your magazine I was able to visit London for the IMCOS map fair and exhibition. I was very happy to be able to meet many people there.

I am writing to inform you that the first IMCOS Japanese branch meeting was held on January 6 (for details see the news page. Ed). As you probably know there are many fantastic anti-

Madam,
My friend and fellow subscriber, Ferenc Orban from Silkeborg in Denmark, sent me the enclosed map of Europe from a weather chart which appeared in *Dy Llandsposten* on November 16, 1984. I wonder which projection it is? Double Danish? Can any readers throw light on this?

László Gróf
Carta Hungarica Collection
England.

The Stolen Map Controversy

(For earlier correspondence see p.48 of Issue 29).

Madam,
Thank you for publishing my letter in your December 1984 issue with regard to my dispute with Graham Arader over the financial settlement of the Champlain map of 1612.

First, I would like to mention that the price offered by the dealer in Toronto was \$50,000 Cdn and not \$5,000 Cdn as printed. This correction will certainly help your readers put things into perspective and provide them with a better understanding of my arguments for a settlement above the initial purchase price.

Secondly, as mentioned by John Parker, the map in question was returned to the James Ford Bell Library after an out-of-court financial settlement agreed between Mr. Arader, the Library and myself. As for his reference to a second stolen map that was also returned to the Library, I must point out that I was not the party involved with this second case.

Thirdly, in response to Mr. Arader's letter, I would like to mention that I purchased the Champlain map of 1612 from him and not the map of 1632. If Mr. Arader was indeed involved with 'the

que maps, both woodblock printed and manuscript, in Japan and there are many earnest collectors. If any readers of your magazine are visiting Japan please contact me for any help or information on the map scene in our country.

Kazumasa Yamashita
(architect and associates)
10-7, 2-chome, sendagaya,
shibuya-ku, Tokyo, 151 Japan.

sale of the stolen 1632 Champlain map to a Canadian collector' as he wrote, he should not confuse the two cases.

It is incorrect that Mr. Arader informed me of the stolen item as I learned about it through the Royal Canadian Mounted Police working with the FBI as mentioned in my letter. I contacted him by telephone in April 1983 and his reaction made me believe that he was already aware of the pending case for some time.

As for my co-operation on solving the case, readers should know that the stolen map was left in the care of the National Archives of Canada for a full year in order to permit identification of the item and to ensure its safe-keeping in professional hands.

Finally, all along I only wanted to get fair financial compensation for the return of the map to the Library and as in all controversial cases, it was a matter of negotiation between the parties concerned. If I had returned the map immediately, I would have lost all means of negotiating a just and fair settlement.

I am convinced that the three parties feel frustrated and disappointed to various degrees on the final agreement, but I am satisfied that the map has been returned to its rightful owner and that I have received some financial compensation for my investment.

However, I do hope that my case will make both map sellers and map collectors more cautious when dealing with antique maps or other collectables.

J. J. Filion
P.O. Box 500
Ottawa, Ontario
Canada K1N 8T7

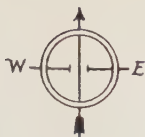


Oddities

THIS VIGNETTE (found on a map of the Russian Empire by Schmidt and Treskot in Remondini's 1784 edition of Santini's *Atlas Universel*) is rich with symbols relating to the Russian Empire's acquisition of the Black Sea area. Mercury at the left, holding an olive branch, is attaching a map of the Black Sea area to one of the Russian Empire. (The portion he adds is upside down, but this lapse is understandable given the revealing attire of the 'map curator'!) There is much to explore and unravel in the original meaning of this scene but from a map curator's point of view I find this vignette reinforces that cardinal rule of map consultation - maps should always be studied on a large flat surface to avoid damaging them! In this vein, however, I do find the armaments in the foreground a little overdone as symbols of a map room's security system despite our protective instincts. (By courtesy of the National Map Collection, Public Archives of Canada. Caption by Ed Dahl.)



The picture on the left was taken in September when Mr. Yamashita discussed the formation of a Japanese branch of IMCOS with (left), the Publicity Officer, Yasha Beresiner, and Chairman, Malcolm Young.



E. Forbes Smiley III

Lisa A. Benson

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Compiled by Tessa Campbell.

Lot descriptions for atlases realising over £300 (or its equivalent) in auction are reproduced here, sometimes in abbreviated form. Books, whose value is in the maps they contain, are also included. Although auction results are helpful in forming judgements on general price trends, it can be misleading to base a conclusion on the price realised for any individual lot. Prices can vary from auction to auction depending on

particular circumstances. Condition is also very important and, however well described, can only be judged by personal examination. Every effort is made to report all major auctions as soon as possible, but occasional delays may occur in obtaining information and some reports may have to be carried over to subsequent issues.

Auction Houses featured in this report:

(Premiums are added to hammer prices. Sale numbers in brackets refer to the section on county maps).

C Christie's, 8 King St, London SW1Y 6QT

14 Nov 84. Premium 8%

Cs Christie's South Kensington, 85 Old Brompton Rd, London SW7 3JS

4 May 84 (1); 6 Jul 84 (2); 7 Sep 84 (3); 19 Oct 84 (4);

2 Nov 84 (5). No Premium

D F. Dörling, Neuer Wall 40-2, 2000 Hamburg 36

29 Nov-1 Dec 84. Premium 15%

HB Haus der Bücher AG, Bäumleingasse 18, CH-4051 Basel

24-6 Oct 84. Premium 15%

HK Hartung & Karl, Karolinenplatz 5a, 8000 München 2

6-10 Nov 84. Premium 15%

P Phillips, 7 Blenheim St, New Bond St, London W1Y 0AS

15 Mar 84 (6); 12 Apr 84 (7); 17 May 84 (8); 7 Jun 84 (9);

5 Jul 84 (10); 26 Jul 84 (11); 20 Sep 84 (12); 25 Oct 84 (13);

15 Nov 84 (14); 6 Dec 84 (15). Premium 8%

RA Reiss & Auvermann, zum Talblick 2, 6246 Glashütten im Taunus

9-13 Oct 84. Premium 15%

S Sotheby's, 34-5 New Bond St, London W1A 2AA

9-10 Apr 84 (16); 21-2 May 84 (17); 25 Jun 84 (18); 20 Sep 84 (19);

23 Oct & 6 Nov 84 (20). Premium 10%

Sp Sotheby's, Pulborough, West Sussex RH20 1AJ

4 May 84 (21); 21 Sep 84 (22). Premium 10%

Sw Swann Galleries Inc., 104 E. 25th St, New York, NY 10010

7 Jun 84 (23); 20 Dec 84. Premium 10%

Ta Taviner's, Prewett St, Redcliffe, Bristol BS1 6PB

15 Mar 84 (24); 17 May 84 (25); 21 June 84 (26); 19 Jul 84 (27);

18 Oct 84 (28); 20 Dec 84 (29). Premium 10%

V Venator KG, Cäcilienstr. 48, 5000 Köln 1

28 Sep-1 Oct 84. Premium 15%

VG Van Gendt Book Auctions BV, 96-8 Keizersgracht, 1015CV Amsterdam

24-5 Oct 84; 14 Dec 84. Premium 20%

W H. Th. Wenner, Heger Str. 2-3, 4500 Osnabrück

3 Nov 84. Premium 15%

ZK Zisska & Kistner, Unterer Anger 15, 8000 München 2

26-7 Sep 84. Premium 15%

ATLASES

ANVILLE, J. B. B. de. *Nouvel Atlas de la Chine*. Amsterdam, 1785

Fol., 42 Karten. 12S. Drucktext. Pp. d. Zt.; unbeschnitten. Vgl. Koeman Anv 1, Phillips 3189 u. Cordier 48 f.u. 184 f. (alle nur die Ausg. A'dam 1737). Text etw. stockfleckig, sonst sehr gut erhalten und breitrandig.

DM3680

BIBLE. Frankfurt, T. Falkeisen, 1668

4 parts in one vol., title, frontispiece (short tear at outer margin), 5 maps, view of Jerusalem, all plates slightly frayed or torn at margins, contemporary vellum, soiled, ownership inscriptions of G. L. Winckelmann, April 1684 and Stünkel, 1793 [not in D. & M.], large folio. Map of the world after Nicolaus Vischer (see Shirley, *Mapping of the World*; plate 318 is similar).

£825

BLAEU, J. & W. [Composite Atlas] 1576-1700

386 maps of all parts of the world in 3 vols., ms. titles and indexes, 8 pp. alphabetical index at the end of vol. III, the majority of maps by Blaeu and Jansson, many maps trimmed to border line and laid down or inlaid, some with margins extended, a few with outline colouring (occasional discolouration and a few tears, mainly at fold or in margins), contemporary mottled calf, spines gilt with raised bands and morocco labels, contemporary armorial bookplate of 'De Flandres', (head and foot of spines chipped; slightly rubbed). folio. The European maps roughly follow the order of vols. I, II, & III of Blaeu's *Theatrum Orbis Terrarum*, with many omissions and additions. [see Koeman I, pp. 125-172].

£21,600

- *Theatrum Orbis Terrarum*, vol. 1 [N. Europe]. Latin text. Amsterdam, 1645

Fol. 1 B1., Vortitel, altkolorierter Kupfertitel, 6 unnum. B1., 35 num. B1. (recte 36), 72 num. B1. (recte 71); kol. Kupfertitel, 53 num. B1., 2 B1. Register (mit mehreren

Paginations-ehlern). In die Pagination eingeschlossen sind: 120 altkolorierte Karten, nebst 6 Textabbildungen (davon 4 koloriert). Pergamentband d.Z. auf 7 durchgezogenen Bündeln, mit übergreifenden Kanten, Rv. doppelter Deckelbordüre, Mittelstück und Eckfleurons in Goldprägung und gepunzt Goldschnitt (Ecken und Kanten etwas berieben und bestoßen, Rückenanten oben lädiert, etwas fleckig). 3 Karten mit kleinen Randeinrissen (davon 2 hinterlegt). 2 Karten lose. Titel des 2. Teiles mit aufgeklebtem Text; vermutlich wurde eine leere Titelbordüre einer früheren Auflage benutzt. - Sauberes, schönes Exemplar, von vereinzelt leichten Bräunungen und unbedeutenden Stockflecken abgesehen sehr gut erhalten, mit frischem Kolorit.

HB 24-6 Oct 84 lot 590

SFr34,500

- Another edition, vol. 1. German text. Amsterdam, 1649 & 1647

Gr.-fol. Mit 2 gest. Tit., 102 (statt 120) Ktn. sowie 3 zusätzl. Karten. Or.-Prgt. mit oxydierter Vergold., fleckig u. wellig. Rücken etwas eingerissen u. überklebt. Koeman, BL. 33. - Insgesamt wohl erhaltenes Expl. Gelegentlich kleine Fleckchen u. Rand-u. Bugeinrisse (hinterlegt), einige Randfehlstellen ebenfalls hinterlegt. 2 Faltkarten (Litauen u. Deutschlandkte. v. Hoffmann, letztere mit Läsuren) aufgezogen. 1. Tit. angerändert. Im Deutschlandteil fehlen 21 Karten. Der Hollandteil ist komplett. Zusätzlich eingebunden: Deutschlandkarte von Hoffmann, Nürnberg, um 1640 (seltener Einblattdruck), Bremen/Verden von N. Vischer u. Franken von H. Hondius.

RA 9-13 Oct 84 lot 3290

DM19,550

- Another edition, vol. 2. [France, Spain, Africa, Asia]. German text. Amsterdam, 1647

Gr.-fol. 2 Tit. u. 75 (statt 92) Ktn. Or.-Prgt. mit Goldpr., etwas fleckig. Koeman, BL. 34. Afrika (4 st. 5 fehlt Gesamtkte.), Asien (10 st. 11, fehlt Palästina). Der gesamte Amerika-Teil fehlt. - Schönes, sauberes Expl., nur erste Bll. mit Wasserfleck am Seitenrand. Faltkarte Reich

Notification of forthcoming sales have been received from the following Auction Houses:

19-22 March	Zisska & Kistner
21 March	Taviner's
21-3 March	Germann Auktionshaus, Zeltweg 67, CH-8032 Zurich
28 March	Phillips
29 March	Christie's South Kensington
29-30 March	Granier, Gadderbaumerstr. 22, 4800 Bielefeld 1
16-20 April	Reiss & Auvermann
17 April	Christie's
18 April	Taviner's
18 April	Phillips
23-25 April	Giullaume Campo Meir 47, B/2000 Antwerp
2-3 May	Sotheby's
7-10 May	Hartung & Karl
13-15 May	Dörling
16 May	Taviner's
23 May	Phillips
late May	Christie's South Kensington
20 June	Taviner's
27 June	Phillips

Exchange rates for this report (period March to December, 1984)

£ = \$1.4570 to 1.166 £ = G4.2537 to 4.102

£ = DM3.7730 to 3.6326

£ = SFr.3.1275 to 2.9884



In F. Dörling's Auction on 29 Nov-1 Dec 1984, Abraham Ortelius *Theatrum Orbis Terrarum* with German text (1580) was offered for sale. In good condition, original colour and heightened with gold, it fetched DM69,000 (including 15% premium).

<p>Karl d. Gr. mit Läsuren in den Faltstellen aufgezogen. 1 Karte mit restaur. Bug. RA 9-13 Oct 84 lot 1291</p>	<p>DM4600</p>	<p>Schiffahrtsmuseum A'dam S. 642 Brunet I. 1724. Graesse II, 99. V 28 Sep-1 Oct 84 lot 6</p>	<p>DM17,250</p>	<p><i>Title incorporating small index map, 46 maps coloured in wash and outline, occasional light offsetting or dust-soiling, contemporary half russia, upper cover detached, roan gilt label [cf. Chubb, p.316], large folio (655 by 450mm.).</i> S 23 Oct & 6 Nov 84 lot 9</p>	<p>£968</p>
<p>Another edition [Spain & Portugal]. German text. Amsterdam, 1647 Kolor. Titel (darauf d. gedruckte Titel als Medaillon eingeklebt), 13 Kupferstichkarten Flächenkolorit nebst Einfassungskolorit. Fol. M. 4 Textbl., Mod. Pgt. m. Deckelschild (Bl. gering fingerfleckig; 1 Kte. t. im Falz unterlegt). Gutes Exemplar mit schönen Karten bes. der Küsten u. d. Balearen. V 28 Sep-1 Oct 84 lot 14</p>	<p>DM1840</p>	<p>CLUVER, P. Introduction in Universum Geographiam. Wolfenbüttel, 1686 4to. Tit., 3 Kupfertaf., 43 Karten u. 2 gefalt. Tab. 13 Bll., 607 S., 66 Bll. Mod. Ldr. im Stil d. Zt. Vgl. Phillips 3432. 3439 u. 4270 u. Sabin 13805 (jew. andere Ausgaben). – Gegenüber dem Verzelchn. von 40 Ktn. bei Phillips 3432 (Ausg. Wolfenb. 1667) um 3 Ktn. vermehrt; Sicilia, Sardinia & Corsica, Borussia. – Vereinzelt schwach gebräunt, sonst kaum fleckig. 3 Griechenland-Ktn. sind koloriert, dav. eine etw. eingerissen. Tit. mit hinterlegtem Randausschnitt seitlich. RA 9-13 Oct 84 lot 3298</p>	<p>DM1725</p>	<p>HALFIELD, H.G.F. Atlas e Relatorio Concernente a Exploração do Rio de S. Francisco. Rio de Janeiro, 1860 <i>Lithographed title, 46 lithographed maps, some partly coloured, 2 views, all mounted on guards (3 maps severely spotted and discoloured; some text leaves with tears repaired, mainly in margins), contemporary half morocco, [Sabin 29675], elephant folio, sold as an atlas, not subject to return.</i> C 14 Nov 84 lot 154</p>	<p>£378</p>
<p>Another edition, vol. 3 [Italy etc.] German text. Amsterdam, 1647 Gr.-fol. Tit. u. 61 (statt 62) Ktn. Or.-Prgt. mit Vergoldung. Koeman, BL. 41 B.–Variante des Italienteils, wie von Koeman nach dem Ex. im Nederl. Scheepv. Museum beschrieben: Ohne das Supplement mit 4 Englandkarten, aber mit den 4 Griechenlandkarten. – Ohne die Ischia-Karte. Gesamtkarte Italien mit hinterlegtem Einriß. Sonst wohl erhalten und fast fleckenfrei. RA 9-13 Oct 84 lot 3293</p>	<p>DM8625</p>	<p>– Another edition. Amsterdam, 1729 4to. Mit gest. Titelvign., 4 (1 gefalt.) Kupfertaf. u. 46 (statt 47) Karten. 1 Tab. 21 Bll., 688 S., 30 Bll. Ldr. d. Zt.; berieben. 1 Gelenk angebrochen. Rsch. beschäd. Phillips 573; Sabin 13805. – Sauberes Expl. Fehlt Kte. XXVII* (Graeciae pars meridionalis) u. vermutl. 1 Frontispiz. RA 9-13 Oct 84 lot 3299</p>	<p>DM1725</p>	<p>HOMANN, J. B. & HEIRS. Atlas Compendarius. Nuremberg, 1752 Titel m. Index auf 1 Bl., 1 gest. u. kolor. Tafel m. astron. Zeichnungen u. Instrumenten u. 42 kolor. Karten. Zusammengefaßt in Hldr.-Mappe m. Ringbuchbindung Fol. 38 S. Text: „Einleitung z. Geographie.“ – Die Frankenkarte in 2 Karten aufgeteilt („Erster u. größerer“ bzw. „Anderer u. minder Teil“). Statt der im Verzeichnis aufgeführten Karten „El. Mogunt. et Hassia sup. u. „Palatinus inf.“ ist eine Karte „El. Mogunt. et Hassia inf.“ vorhanden. Eine Karte „Palatinatus ad Rhenum“ nicht im Index verzeichnet. 7 Karten nicht vorhanden (darunter Niedersachsen, Mecklenburg, Böhmen u. Amerika). – An den Falzen mit Lwd-Streifen unterlegt. Kupfertitel stark was-serfleckig m. Randläsuren u. m. Plastikfolie überzogen. Karten am Rand teilw. wasserfleckig oder mit Randläsuren (überw. restauriert oder angerändert. Text stark waserrandig bzw. fleckig. D 29 Nov-1 Dec 84 lot 763</p>	<p>DM2990</p>
<p>Another edition, vol. 3. French text. Amsterdam, 1647 Kolor. Titel u. 62 kolor. Karten. Pgt. d. Zt. mit reicher Vergoldung u. Schließenbändern. GGoldschnitt. Folio. Koeman 35 A (Zahl der Karten) u. 35 G (Erscheinungsjahr). Die Karten in schönem Kolorit – Ohne die Karten von Vicenza u. Padua, statt dessen sind am Ende zwei Karten von Schottland und Irland beigegeben. Karte Rovigo mit Einriß am Falz, 5 weitere Karten mit Ausschnitten (mehr oder weniger Bildverlust): Treviso, Trient, Capimare, Kalabrien, Sizilien, Einbd. ger. ber. D 29 Nov-1 Dec 84 lot 757</p>	<p>DM9258</p>	<p>COLTON, J. H. Colton's General Atlas. New York, 1861 180 col. engr. maps Fol. 44 × 38cm, ½ leather, worn; joints cracked; dampstained throughout in upper margin and gutter. Sw 20 Dec 84 lot 2</p>	<p>\$385</p>	<p>– Another edition Gr.-Fol. Tit, Reg., kolor. Schematismus, 50 kolor. Ktn. 40 SS. Biegs. Ldr. d. Zt. mit Blindpr. u. Ldr.-Band. Tls. etwas fleckig, meist jedoch nur am Rand. Einzelne Ktn. mit leichten Knickfalten; stellenw. an d. Rändern verstärkt bzw. kl. Einrisse, meist am Bug, hinterlegt. HK 6-10 Nov 84 lot 1239</p>	<p>DM6325</p>
<p>Another edition, vol. 4 [England]. German text. Amsterdam, 1646 Gr.-fol. Tit. 58 Ktn. Or.-Prgt. mit Goldpr., etwas fleckig. Koeman, BL. 47 B. – Schönes, sauberes Expl. des England-Bandes. RA 9-13 Oct 84 lot 3293</p>	<p>DM12,650</p>	<p>DANCKERTS, J. [Atlas]. Amsterdam, [after 1696] Gr.-Fol. 93 (st. 100) kolor. Ktn., 1 Bl. Reg. Hldr. Vgl. Koeman II, 95 (mit leichten Abweichungen). – Im ganzen ausgezeichnet erhalten, relativ wenig fleckig und nur einige leichte Knickfalten. 2 Ktn. an den Rändern verstärkt, die ob. Eckchen d. Weltkte. ergänzt. Es fehlen die Ktn. 1 u. 2 (Atlas, Nova orbis tab.), 4 u. 5 (Orbis et plano celestris), 9-11 (Africa, Asia, Turcium Imp.) – Angebunden sind 11 weitere dphlgr. Kupferstichkarten, davon 10 altkolor.: 6 von M. Seutter (Böhmen, Köln, Venetien, Luxemburg, Cleve, Trier); 2 von Homann (Hennegau u. Brabant); Schwaben von Jaillot, Westfalen von Ottens und »Das Wilispvrgergow« von Mercator (unkolor. u. aufgezogen). HK 6-10 Nov 84 lot 1237</p>	<p>DM26,450</p>	<p>– Atlas Mapparum Geographicarum. Nuremberg [c.1780] Gr.-fol. Front., Tit., gest. Index, Porträtkupf., 38 S. Einleitung und 105 (davon 5 zusätzliche) altkol. Karten. Flexibler Or.-Ldr.-Umschlag, stark berieben und eingerissen. Vgl. Phillips 604. Durchgehen im Unterrand ca 7 cm breiter Wasserrand (davon ca. 2 cm im Kartenbild), Europa-Karte defekt, 28 Karten mit tlw. tiefen Bugeinrissen, 7 Karten stärker geknittert sowie einige Karten stärker gebräunt. Durchgehend mit Gebrauchsspuren. RA 9-13 Oct 84 lot 3309</p>	<p>DM8050</p>
<p>ONNE, R. Atlas Moderne. Paris, [1787?] <i>Title, dedication leaf, 36 maps, coloured in outline, mounted on guards, contemporary vellum (corners rubbed), folio. There is no map no. 25 which tallies with the contents list.</i> C 14 Nov 84 lot 126</p>	<p>£432</p>	<p>DOPPELMAYR, J. G. Atlas Novus Coelestis. Nuremberg, Homann Heirs, 1742 Quer-Groß-Folio. Titel und 31 Kolorierte Karten. Lose in Leinenmappe mit Bindebändern. Graesse II, 427; Poggendorff I, 594. – Karte Nr. 21 geringer Textverlust am Schluß der Legende, Fehlstelle restauriert. Nr. 24 und 29 Risse hinterlegt. W 3 Nov 84 lot 177</p>	<p>DM4600</p>	<p>– [Atlas]. Nuremberg, [c.1731-48] 157 kol. Taf. (davon 141 Karten), in 2 Bdn. Ldr. d. Zt. Fol. Die Karten einschließlich der Kartuschen sauber koloriert. Einbde. beschabt, Rücken restauriert u. m. kl. Fehlstellen. Vordere S. m. Wurmsspuren. Karten teilw. hinterlegt, gering wasserrandig u. m. kl. Randeinrissen. D 29 Nov-1 Dec 84 lot 764</p>	<p>DM23,000</p>
<p>Another copy <i>Title, dedication, 36 maps, coloured in outline, mounted on guards (title and dedication strengthened at inner margin, one or two minor repairs, a few edges a little dampstained, small hole through 3 maps), nineteenth century half roan, folio.</i> C 14 Nov 84 lot 127</p>	<p>£453</p>	<p>DU VAL, P. [Le Monde ou la Géographie Universelle. Paris, 1670] 2 parts in one vol., engraved contents list, sectional title to part II, table, 82 maps neatly coloured in outline, manuscript index in a contemporary hand, without text and general title, occasional slight dust-soiling, contemporary calf, spine gilt, slightly worn [cf. Phillips, Atlases 3434], 12 mo. S 22-23 Nov 84 lot 173</p>	<p>£770</p>	<p>JACOTIN, M. Description de l'Egypte. Atlas Géographiques. Paris, 1826 2 éd. 47 Karten u. 2 Tabellen. Hldr. Gr.-Fol. 4 Karten fehlen. Wenige Karten gering fl. u. m. kl. Einriß. Einbd. leicht bestoßen. D 29 Nov-1 Dec 84 lot 750</p>	<p>DM1610</p>
<p>RION DE LA TOUR, L. Atlas Général. Paris, 1772 3. Aufl. Doppelseit. Titel, 53 dto. kolor. Karten (Nr. 1–52, 12 doppelt nummeriert), 1 zusätzl. kolor. Faltkarte „Gallia veteris“ v. Zannoni, u.a. Hldr m. floraler Rv. (wenige Alt.spuren; t. am weißen Rand tuschfleckig; Faltkte unterlegt). Im ganzen gutes Ex. Tooley 81. V 28 Sep-1 Oct 84 lot 11</p>	<p>DM1610</p>	<p>ELWE, J. B. [Atlas]. Amsterdam, [c.1790] Altcolor. Tit., 35 altkolor. Ktn. Gr.-fol. Hldr. d. Zt., bestoßen und Rücken etwas eingerissen. Vgl. Phillips 542 u. 674. – Das kolorierte gest. Titelblatt gehört zu einem Atlas von Ottens, die Tafeln stammen zum größten Teil aus Atlanten von Elwe & Langeveld. Tlw. leicht geknittert, einige Karten knapp beschnitten (bei Belgien bis ins Bild), tlw. im Falz unterlegt. 2 Karten lose. RA 9-13 Oct 84 lot 3331</p>	<p>DM3450</p>	<p>JAILLOT, A.H. Atlas François. Paris, 1695-9 2 vols., 2 engraved titles (lettering on second title 'Second volume de l'Atlas François . . . supplied in ms.), engraved portrait of Jaillot, 142 maps mounted on guards, most coloured in outline, (one map with marginal tear), engraved geographical tables, printed list of maps in each vol., contemporary half sheep (rubbed and a little worn), uncut, folio [555 × 390mm.]. Bound at the end of vol. II is an engraved map (on 3 double-page sheets) of <i>Le Canal Royal de Languedoc</i> by J. B. Nolin. Paris 1697. C 14 Nov 84 lot 101</p>	<p>£4968</p>
<p>AMDEN, W. Britannia [Morden maps]. London, 1695 <i>Portrait frontispiece, 50 maps, 9 plates, illus. in text, slight staining, a few small tears repaired, later blind-stamped calf, upper cover detached, folio.</i> Sp 21 Sep 84 lot 1527</p>	<p>£495</p>	<p>THE ENGLISH PILOT [Mediterranean]. London, 1786 17 maps, 38 engr. & woodcut maps in text & num. woodcut profiles. – B.w.: J. ADAMS, Directions for the Mediterranean Pilot. Ibid. id. 1788. Calf (spine & corners dam., 1 blank corner torn off, 1 map with 2 small holes) fol. – Phillips 191 - <i>Very good copy of the second(?) ed.</i> VG 14 Dec 84 lot 244</p>	<p>G5280</p>	<p>JANSSON, J. Atlas Minor. Amsterdam, 1651 2 Tle. in 1 Bd. Qu.-4^o. Tit., 5 (st. 6) Bll., 460 SS., 2 Bll., Tit., 428 SS., 1 Bl. mit 215 blgr. gest. Karten. Ldr. d. Zt. Phillips I, 461 u. III, 3426; Koeman Me 204. Ohne d. Vortit. Tit. v. Tl. I aufgezogen u. beschädigt mit gr. Fehlstellen in d. Bordüre. Tit v. Tl. 2 mit zwei größeren Ausschnitten. Ränder durchgehend wasserfleckig, die le. Bll. stärker wasserfleckig. Obere re. Ecke im w. Rand tls. wurmstichig. Titellei etwas ausgefranst u. gelockert. Leicht fingerfleckig. Ob. Kapital beschädigt. Berieben u. bestoßen. HK 6-10 Nov 84 lot 1241</p>	<p>DM6670</p>
<p>Another edition. 1753 2 vols., portrait, 9 plates, 51 maps, contemporary diced russia, (rubbed; spines defective, joints cracked), [Chubb cxvi], folio. C 14 Nov 84 lot 130</p>	<p>£864</p>	<p>GEOGRAPHICAL CARDS. [France, c.1700] 56 engraved cards: four sets of 14 cards relating to regions of France, coloured. Several different packs were published in this series. In each pack four regions of an area were substituted for suits, the name of which is at the top of each card and the value of the pip cards is indicated by the number of towns on a map of part of the region concerned. The court cards show portraits over draped curtains inscribed with statistical details of the area. The style of the cards is similar to the work of N. de Fer. S 17-18 Dec 84 lot 527</p>	<p>£550</p>	<p>KÖHLER, J. Kurtze und Gründliche Anleitung zu der Alten und Mittlern Geographie. Nuremberg, 1730-7 2 Bde. Frontisp., 24 kolor. Karten. 11 Bll., 107 SS., 9 Bll.; 122 SS., 11 Bll. Ppbde. d. Zt. (beschabt und etw. bestoßen). Schönes, sauberes Exemplar. ZK 26-7 Sep 84 lot 3226</p>	<p>DM1380</p>
<p>Another copy, vol. 1 Port. 35 maps, several trimmed on top and side margins, slight spotting, cont. cf rubbed, folio. P 15 Nov 84 lot 276</p>	<p>£734</p>	<p>GEOGRAPHICAL CARDS. [C. Hodges, 1827] 52 cards, each suit representing a different continent, full-length court cards coloured, the aces with maps of the continents and the other pip cards each with maps of different countries, outlined in colour, the pips each a different colour, slightly soiled, two corners damaged, 96mm. by 64mm. S 17-18 Dec 84 lot 544</p>	<p>£605</p>	<p>KRUIKUS, N. & J. t'Hooge Heemraedschap van Delfland. 1712 Wall-map. Title in 2 sheets & 25 sheets, each meas. c. 51 × 59cm., scale 1:10.000. Later hfchagrin (dam.) large fol. –</p>	<p>55</p>
<p>Another edition [mostly Morden maps], 1753-72 [but later] 2 vol. extended to 4, 2 portraits of Camden, 51 maps, extra-illustrated by upwards of 1000 subjects, mostly engraved (a few mezzotint) portraits, views, plans, coats of arms (4 views by Kip, 4 by the Bucks, 5 by Slezar, 24 county maps by Kitchin), several folding, a few slight stains, half calf, folio. Sold not subject to return. S 23 Oct & 6 Nov 84 lot 54</p>	<p>£1980</p>	<p>GREENWOOD, C. & J. Atlas of the Counties of England. London, 1834</p>			
<p>ELLARIUS, A. Harmonia Macrocosmica. Amsterdam, 1708 28 Karten (von 29; ohne Karte 13). Folio. M. Drucktitel u. Index tabularum. Mit eingebunden aus Doppelmaiers „Atlas coelestis“ bei Homan von 1742: 19 kolor. Himmels-Karten. Ferner 1 gest. Tafel „Nuntius caelestis et ephemerides geometricae VI planetarum“ von G. u. Leonh. Valk (1728) m. 2 Bl. „Usus ephemerides . . .“. Geheftet m. Teilen d. alten Einbandes (geringe, unauffällige Reparaturen; wenige Ktn. im Falz unterlegt, 2 Homann-Karten am Rand. Einige Bl. m. winzigem Wurmang. Kaum alt-fleckig). Die Karten in guter Erhaltung und prächtigem Kolorit. – Katal.</p>					

Very fine handcoloured detailed map. Without the general map later publ. in 1750 (as often) – Koeman, Handleiding 60)
VG 14 Dec 84 lot 154 **G3360**

L.A. CROIX, A.P. de. Algem. Wereld-Beschryving. Amsterdam, 1705
3 vols. 3 fronts. & 81 (of 98) maps by Sanson d'Abbeville & plts. Richly gilt vellum, large 4to – Vol. 1 badly stained & waterdam. – The 65 maps & views in vols. 2-3 all in fine contemp. handcol. & mostly heightened with gold: Sold w.a.f.
VG 14 Dec 84 lot 269 **G6840**

LATTRE, J. Atlas Moderne... per Plusieurs Auteurs. Paris, [1762-73]
Titel, 2 gest. Tafeln u. 75 kolor. Karten. Defekter Hldr. d. Z., 4^e. Phillips 629 u. 646. – Schöner Weltatlas. Einband beschädigt. Wenige Karten gering fleckig, sonst gut erhalten auf breitrandigem u. starkem Papier.
D 29 Nov-1 Dec 84 lot 753 **DM3220**

– **Another edition, Paris, 1787**
Fol. Kupfertit., gest. Einltg., gest. Kartenverz., 37 grenzkolor. Ktn. Hldr. Durchgehend sauber u. frisch. Einbd. etw. bestoßen u. beschabt, ob. Kapital mit Einriß.
HK 6-10 Nov 84 lot 1234 **DM2070**

LE ROUGE, G.L. Atlas Nouveau Portatif. Paris, 1756
4to. Doppeltitel, 8, 36 S., 91 kolorierten Karten. Marmorierter Kalbslederband d. Zt. m. reicher Rückenvergoldung u. zweifarbigem Rückenschild. Vgl. Phillips 607.
W 3 Nov 84 lot 208 **DM1955**

– **Another copy**
Kl.-4^e. VIII, 36 S., 1 Bl., Tafelverzeichnis. Titel, 90 meist grenz- oder teilkolorierten Karten, und 1 Flaggenkupfer. Marmorierter Ldbd. d.Z. mit Rsch. und reicher Rv. Stehkartenvergoldung (leicht berieben und bestoßen, Rücken etw. beschädigt).
HB 24-6 Oct 84 lot 591 **SFr34,500**

– **Another edition, vol. 2, Paris, 1759**
4^e. Titel u. 101 (bez. 1-100, 9 dpl.) kolor. Ktn. Pp. d. Zt. Frisches, breitrandiges Expl. beschabt u. bestoßen.
HK 6-10 Nov 84 lot 1242 **DM5290**

LETH, H. de. Nieuwe Geographische en Historische Atlas. Amsterdam, [1766]
Titel, 49 (of 50) maps & plans, 1 plt. with flags & 1 (of 2) distance tables. Limp overlapping roan, 8vo oblong – Koeman Le H. 3 – The maps in contemp. handcolouring – Lacks 'Eemlanden' & 'Vervolg Stedewyzer', 1 map soiled & loose – Unfolded.
VG 14 Dec 84 lot 155 **G2520**

MERCATOR-HONDIUS. Atlas. Amsterdam, 1633
5 parts in 2 vols., 2 coloured titles (lacking 3 part titles and the double portrait), 238 MAPS ALL PARTLY COLOURED BY A CONTEMPORARY HAND, mounted on guards, (occasional dampstaining in margins; 7 maps with vertical crease; a few small tears at base of fold, mostly repaired; occasional discolouration), original publisher's vellum gilt, g.e. (somewhat stained and worn). [Koeman II Me 36A], folio. A map of Rhyndlandsche Roeden has been bound in place of map 114.
C 14 Nov 84 lot 173 **£14,040**

– **Atlas Minor. Amsterdam, J. Jansson, 1628**
Quer-4to. (6), 652 (irrig 656), (16) Seiten mit Titel und 143 Karten im Text. Pergamentband der Zeit mit handschriftlichem Rückentitel.
W 3 Nov 84 lot 212 **DM6900**

– **Another edition, 1630**
Tit. (mit eingeklebtem Drucktit.) u. 142 Karten 3 Bll., 643 S., 2 Bll. Ldr. d. Zt.; stärker bestoßen u. Rücken beschädigt. Koeman Me 196; Phillips 3419. Teilweise leicht gebräunt, sonst sauber. Kte. 43 (Britannia et Normannia) ausgeschnitten und über eine andere, wohl falsch abgedruckte Kte. geklebt; Kte. 71 (Ultralectum) Im weißen Unterrand leicht beschädigt, dabei geringer Buchstabenverlust im Drucktext verso.
RA 9-13 Oct 84 lot 3318 **DM5290**

MOLL, H. [Atlas Minor. London, 1765]
42 (of 64) maps coloured in outline, without title upper and lower covers [cf. Phillips, Atlases 635], 4to.
S 23 Oct & 6 Nov 84 lot 116 **£396**

MOULE, T. The English Counties Delineated. London, 1839
2 vols., engd. fronts. and titles, 60 coloured maps, some foxing and off-setting (affecting very few maps), 1 folding map torn, a few with margins trimmed, contemp calf, spines worn, 1 cover detached, 4to.
Sp 21 Sep 84 lot 1546 **£429**

MUNSTER, S. Cosmographia. Basel, Petri, 1578
Title (incorporating portrait) 26 maps, 54 plans and views on 53 sheets, 3 panoramas, 109 maps, plans and views in the text and upwards of 600 illustrations in the text, all woodcut, one folding panorama repaired, light browning throughout, one or two short tears, cloth over wooden boards [cf. Burmeister 80; Nordenskiöld Collection 2:158; Sabin 51392], folio

S 22-3 Nov 84 lot 223 **£2750**

– **Another edition. Basel, Petri, 1598**
Titel mit Holzschnittporträt, 13. Bl., 1461 S., 1 Bl., 26 Karten vor dem Text und ca. 1250 Textholzschnitten (inkl. 67 Karten und Plänen). Schweinslederband auf Holzdeckeln, datiert 1612, mit reicher Schwarzprägung: (Kapitale restauriert, Eckbeschlag des Vorderdeckels unten rechts fehlt, rechte Kante des Vorderdeckels leicht lädiert, mit einigen geringen Wurm- und Schabspuren). Burmeister 83, Sabin 51395. Untere Ecke des Titels hinterlegt, durchgehende, meist geringe Wurm Spuren am unteren Rand, auf den letzten 113 Bl. z. T. mit geringem Text- und Bildverlust. Die beiden gefalteten Ansichten tlw. hinterlegt, diejenige von Wien mit geschickt restaurierten und ergänzten Fehlstellen im Falz und an den Rändern. Mit einigen geringen Feuchtigkeitsspuren. – Trotz der genannten Mängel gutes Exemplar in einem ausserordentlich schönen Einband.
HB 24-6 Oct 84 lot 599 **Fr14,950**

NOLLI, G.B. Nuova Pianta di Roma. Rome, 1748
Title, leaf of preface, 8 leaves Index, large scale map of Rome on 12 sheets, (without the double-page smaller plan of Rome at the end), contemporary vellum (soiled), bookplate of George Wilbraham, atlas 4to, sold not subject to return. Brunet IV-95 mentions 'les 2 plans réduits' probably referring to the double-numbered general plan. Berlin Kat. 2703 and Hind p. 78 refer to only one smaller plan of Rome.
C 14 Nov 84 lot 179 **£540**

NORTH AMERICA. Portulano de la America Setentrional. Madrid, 1809
4 Tle. in 1 Bd. Qu.-Kl.-Fol. Titel, 106 Karten, 4 nn. Bll. Hldr. d. Zt. mit goldgepr. Rtit. auf Rsch. (etw. berieb. und bestoßen). Sehr seltene erste Ausgabe. – Sabin 64441. Palau 233677. 1 Karte (III/14) außen bis zum Bildrand abgeschnitten. Die letzte Karte verso am oberen Rand mit dem fliegenden Vorsatz verklebt. Vereinzelt außerhalb des Plattenrandes etw. fleckig, sonst sauber und sehr gut erhalten.
ZK 26-7 Sep 84 lot 3218 **DM9775**

ORTELIUS, A. Theatrum Orbis Terrarum. German text. Antwerp, 1580
6 Bll., mit kol. allegor. Kupfertitel, kol. gest. Porträt u. 93, altkol. u. in zartem Gold gehöhte Kupferkarten. Ldr. 18 Jhdt. Fol. Koeman III, Ort 16 A. – Phillips I, 377 (andere Ausg.). – Sabin 13 – 14, 57707. Einbd. am Rücken gering beschädigt. Wenige Karten hinterlegt. – Sauberes, gut erhaltenes Exemplar.
D 29 Nov-1 Dec 84 lot 773 **DM69,000**

– **Another edition. Latin text. Antwerp, 1592**
Fol. Tit., Porträt u. 133 (statt 134) Ktn. 12 Bll., 4 Bll., 77 S., 4 Bll. Seideneinband d. Zt. mit Blindpr. u. gepunztem Goldschn., stark beschädigt. In mod. Schuber. Koeman. Ort 27 B. – Innen hervorragend erhalten, mit nur geringen, altersbedingten Mängeln: Kupfertit. gereinigt u. unten angerändert. 1. Lage neu eingefalzt. Weltkarte Bug unten etwas geplatzt. Vereinzelt kleine, tlw. hinterlegte Randeinrisse, kleine Fleckchen u. bei ca. 10 Karten oben schwacher Wasserrand. 3 größere Einrisse bis ins Bild hinterlegt. Auf starkem Papier, die Karten in sehr guten Abdrucken. – Das Hauptwerk enth. 108 Karten, von denen Nr. 6 (Mare Pacificum) fehlt, das Parergon 26 Karten.
RA 9-13 Oct 84 lot 3321 **DM47,150**

– **Another copy**
2 kolor. Kupf. titeln, 1 kolor. Kupf.-porträt, 134 doppelseitigen, kolor. Karten. 2^e. Kolor. Kupf. titeln, m. bedruckter Rückseite, 10 Bll. Porträt, 108 Karten mit je 1 bedruckter Rückseite, 3 Bll., 25 Karten, 1 Karte mit Ansicht (Tempe; Olymp), 77 S., 9 nn. S. (letzte S. m. Druckvermerk). Blindgeprägtes, geglättetes, braunes Ldr auf 5 Bündeln, Deckel m. ornamental. Medaillons (Schlingbanddekor) R. deckel m. Justitia. (R. u. Ecken erneuert, Bezug m. Gebr. spuren, ohne vorderen Vorsatz. Kupfertitel m. repar. Randschäden. Bl. t. im Falz

unauffällig unterlegt. Wenige Gebrauchs- u. Altersspuren wie Finger- und Randflecken). Im ganzen hervorragend schönes, vollständiges Exemplar in prachtvollem, frischem Flächen- und Kartuschenkolorit. Kat. Niederl. Schifffahrtsmuseum I, 87 (m. abweichender Kollation d. Textseiten).
V 28 Sep-1 Oct 84 lot 8 **DM57,500**

– **Epitome. Latin text. Antwerp, 1595**
6 Bll., mit 1 kol. Kupfertaf. u. 109 kol. Karten. Ldr. d. 17. Jh. m. Goldpr. Marmorierte Vorsätze. Quer-8^e. B.M. STC Dutch Books, 163. – Koeman III, Ort 56. – Phillips I, 402, nennt 7 auf Amerika bezügliche Karten die Nr. 1, 2, 4, 5, 97, 101. – Sabin 13-14, 57690. – Vollständiges Exemplar. Karten 63 u. 64 gering beschädigt. Wenige S. leicht fl. Mit Schriftzug a. d. Vorsatzbl.
D 29 Nov-1 Dec 84 lot 774 **DM13,800**

– **Another edition. Antwerp, 1601**
Qu.-8^e. Kupfertit. 7 Bll. mit 2 Kupfern, 110 Kupferkarten: Tit., 13 Kupferkarten, 4 Bll. (le. w.). Gepr. Pgt. d. Zt. (Bindebänder fehlen). Vgl. Cat. Nederl. Scheepvaart Mus. I, 88; Koeman III, 77 (Ort. 58). – Beide erwähnen eine Ausg. v. 1601 mit gleicher Kartenzahl aber abweich. Text bzw. Kollation. – Tit. angefalzt u. mit geflickten Rissen, rücks. ausgestr. Vermerk. Etwas gebräunt u. fleckig, besonders die ersten Bll. Einbd. etwas wellig, Rücken eingeschwärzt.
HK 6-13 Oct 84 lot 1244 **DM3220**

OTTENS, R. & J. [Composite Atlas]. Amsterdam, [c. 1760]
19 altkolor. ktn. Gr.-fol. Pp. d. Zt. läd. Vgl. Phillips 542. – Die Karten in schönem Kolorit und tadellos.
RA 9-13 Oct 84 lot 3322 **DM3450**

OWEN, I. & E. BOWEN. Britannia Depicta. London, 1753
Title, repaired, 8 pages of tables, 273 maps, hf mor. gt.
P 6 Dec 84 lot 365 **£594**

PINKERTON, J. A Modern Atlas, 1815
61 partly col. maps, hf. roan, folio.
P 25 Oct 84 lot 496 **£756**

PORCACCHI, T. L'Isola piu Famose del Mondo. Venice, 1576
Fol. Tit., großer Holzschn.-Druckerm. u. 47 rad. Karten im Text. 14 Bll. (inkl. Kupfertit.), 201 S., 1 w. Bl. Flex. Prgt. d. Zt. Rücken u. Kanten teilw. beschäd. BM, Italian Books 534; Phillips 167; Sabin 64149. Exemplar mit leichten Fingerspuren. In den Rändern stellenweise leichte Fleckenränder. Tit. mit kleinem Loch im W. Oberrand: S. 57/58 Einriß im Bundsteg hinterlegt.
RA 9-13 Oct 84 lot 3324 **DM2875**

PRUSSIA. Atlas des Königreichs Preussen. Erfurt, 1831
Fol. 27 grenzkolor. lithogr. Karten (inkl. Titel mit kleiner Karte von Neuchâtel). Ppbd. d. Zt. (berieb., beschabt und bestoßen). Leicht gebräunt, stellenw. etw. braunfl., sonst gut erhalten.
ZK 26-7 Sep 84 lot 3229a **DM1265**

PTOLEMY, C. Geographia [trans. Pirckheimer]. Strassburg, 1525
Fol. 82 num., 14, 34 unn. Bll., Weltktn., 48 Holzschn.-Ktn. Hpgt.
HK 6-10 Nov 84 lot 798 **DM21,850**

– **Another edition [ed. Servetus]. Lyon & Vienne, 1541**
Fol. Mit 50 Holzschn.-Karten u. mehreren (dav. 2 ganzseit.) Holzschn.-Fig. im Text. 149 S., 1 Bl., 98 Bll. (mit den Ktn.). 48 Bll. Index. Hpgt. d. 18. Jahrh. Sanz 187; Phillips 366; BM, French Books 367, Adams P 2226; Sabin 66485. Breitrandiges, durchgehend regliertes Expl. Der Kartenteil absolut sauber und frisch, textteil bis S. 71/72 in der unteren Außenecke wasser- u. sporenfleckig, anfangs (bis ca. S. 44) stark u. dadurch brüchig. Die ersten 8 Bll. tlw. mit Buchstabenverlust auch beschädigt u. tlw. alt am Rand verstärkt.
RA 9-13 Oct 84 lot 3325 **DM28,750**



Phillip Galle's 1595 octavo edition of Abraham Ortelius' *Theatrum* – the *Epitome* – made DM13,800 (including 15% premium) at F. Döring's Auction on 29 Nov-1 Dec 1984.

Another edition (ed. Münster]. Basel, 1542

48 Holzschnitt-Karten, 7 figuren im Text. Kartentitel m. Holzschnitt-bordüren. Hz-Druckermarke. Titel fehlt: 27 Bl. (dazwischen 2 weiße), 156 S. + Appendix S. 157-195. Ldr. m 2 Rollenstempeln, 1 monogrammiert „HG“. (R.u. Vorsatz erneuert, ohne Schließen. Stärker berieben. Durchgehend Wasserschaden oben im Falz, meist nur am weißen Rand, anfangs stärker; heir einige Bl. auch etw. brüchig oder m. kl. Fehlstellen. Sonst wenig fleckig u. geringe Alt. spuren. Tafel Suevia m. defektem Rand. Vereinzelt Text getuscht) Im ganzen noch gutes, breitrandiges Exemplar. Burmeister 167. Ruland in Imago Mundi 16, S. 84-96.

V 28 Sep-1 Oct 84 lot 9

DM9200

UAD, M. Europae Totius Orbis Terrarum Partis . . . Description. Cologne, 1596

Kl.-Fol. 8 Bll. Kolor. Titel, kolor. Portr. u. 1 kolor. Kupfertst., 66 kolor. Ktn., 4 Bll. (le. w.) Ldr. d. Zt. mit Blindpr. (Bänder fehlen). Merlo 688, Nr. 4; vgl. Phillips 2828. – Expl. mit dem Kupfertit. d. Ausg. 1594. Die Karten in sehr schönem, kräftigen Altkolorit. Durchgehend, jed. meist nur in den breiten Rändern etwas fleckig, 2 Taf. mit hs. Anmerkungen in schwarzer u. roter Tinte am Rand. Eine Randläusur hinterlegt. Einbd. etwas bestoßen, beschabt, Kratzspuren, Ecken u. Rücken mit Leder überklebt, Gelenke tfs. gebrochen.

HK 6-10 Nov 84 lot 1246

DM18,400

ATELBAND, J. Geographisch-toneel. Amsterdam, 1747
40 maps + 1 plt., all in fine contemp. colouring (num. folds rep.). Hfroan (rubbed) narrow 8vo – Koeman Rat. 1 (oth. eds.).

VG 14 Dec 84 lot 245

G2520

Atlas Portatif . . . des Européens dans les deux Indes.

Amsterdam, 1773
47 (st. 48) kolor. Karten, Hldrbd. d. Zt. (Gebrauchsspuren) 4°. Vgl. Graesse VI, 40. Sabin 68080. Ohne die Karte Nr. 40 (Carolina u. Georgia), 1 Karte mit kl. Einriß.

D 29 Nov-1 Dec 84 lot 775

DM1610

EDL, A. v. Reise Atlas von Bayern, vol. 1. Munich, 1796

Teil 1 (v. 2). 4°. Tit., 36 kolor. Ktn. u. 1. Taf. Ldr. d. Zt. mit Rücken- u. Deckelverg.

HK 6-10 Nov 84 lot 1676

DM4830

EBERT DE VAUGONDY, G. & D. Atlas Universal. Paris, 1757 [–8]

Gr.-Fol. Tit., 1 Bl., 40 SS., 108 grenzkolor. Ktn. Marmor. Ldr. d. Zt. mit Rverg. Phillips 619. Nur stellenw. gering fleckig. Einzelne leichte Quetschalten, die leicht verschöhenen Ränder gering ausgefranst. Einbd. bestoßen, Gelenke gebrochen.

HK 6-10 Nov 84 lot 1247

DM6440

OUX, J. Recueil des 163 des Principaux Plans des Ports et Rades de la Méditerranée. Genoa, 1804

Ou.kl.-4to. Tit. 163 Karten u. 1 Bl. gedr. Index. Ldr. d. Zt. mit geringfügigen Wurmsspuren. Phillips 196 (Ausg. 1779 mit 123 Ktn.) u. Polak 71 (Ausg. 1817) u. 8468 (Ausg. 1764 u. 1779). Vereinzelt leichter Fleckenrand im weißen innen- bzw. Unterrand, sonst innen gutes Ex.

RA 9-13 Oct 84 lot 3330

DM1265

ANSON, N. Atlas Antiquus. Amsterdam, Covens & Mortier, [1705]

Gr.-Fol. Tit. mit Vign. (kl. Weltkte.), Kupfertit., 3 Bll., 94 grenzkolor. Ktn. Marmor. Ldr. d. Zt. mit reicher Verg. Frisches, fast fleckenfreies, breitrandiges Expl. 2 Textbil. zusammengeklebt, es fehlt ein franzos. Titel. Der schöne Einbd. mit floraler u. ornament. Verg. u. reich verziertem goldgepr. Mittelstück (Atlas mit d. Himmelsglobus) u. kl. Himmelsgloben zur Verzierung. Stellenw. etwas beschabt u. bestoßen.

HK 6-10 Nov 84 lot 1248

DM3680

Atlas Nouveau du Voyageur pour l'Empire d'Allemagne.

Amsterdam, Mortier, [1700]

Engraved additional title, printed title, 25 maps coloured in outline, full-page scale table, 28 leaves of printed text, including gazetteer, contemporary calf, worn [not in Koeman but see vol. II p. 51, note and vol. III, Mor 9 (lived but not collated)], 8vo. The atlas is apparently part of a series entitled Atlas portatif et nouveau de voyageur issued in six volumes.

S 22-3 Nov 84 lot 247

£330

Description de tout l'Univers. Amsterdam, 1700

Kolor. Front., dphlgr. Tit. mit gest. kolor. Vign., 8 Bll., 312 geg. SS., 4 (3 Zw.)-Bll., 72 kolor. Kupfktn. – II. Ders. Tables géographiques trad. du Latin de M. Luyts. Ebenda. 120 SS. – III. Usage des globes celestes et terrestres et des spheres: précédé d'un traité de cosmographie . . . par . . . Bion. Nouv. éd. Ebenda 1700, 4 Bll. incl. Tit. mit kolor. Kupfvign., 256 SS., 1 Bl., 14 (st.15) meist gef. kolor. Kupfktn. – 4°. Ldr. d. Zt. (Rücken fehlt). I.: Koeman II. S. 127; Phillips 528; Sabin 76720. Teils stockfleckig u. mit Gebrauchsspuren. Einzelne Karten u. Textblätter stärker bzw. Buchblock gelockert. Die ersten Blätter stärker fleckig, lose u. rissig. Die Weltkarte im Bug gerissen. Kte. v. Sizilien mit Einriß, in III Tafel 12 hinterlegt u. geflickt. Einbanddeckel an den Kanten stark abgewetzt. u. rissig.

HK 6-10 Nov 84 lot 1249

DM6210

Die gantze Erd-Kugel. Frankfurt, 1679

4 Tle. in 1 Bd. 4to. Front. u. 83 Ktn. Blindgepr. Schweinsldrbd. d. Zt. Nicht bei Fromm; Sabin 76722 u. Cat. Nederl. Scheepv. Mus. beschrieben eine holländische Übers., deren Amerika-Teil wie bei uns 15 Karten hat. Enth. kein Tafelverzeichnis, aber wohl komplett. Gereinigt u. neu aufgebunden, wodurch der Einband klafft.

RA 9-13 Oct 84 lot 3332

DM4025

– Nouvelle Introduction à la Géographie, Vol. 2. Paris, Jaillof, 1702

Imp.-Fol. 62 grenzkolor. Ktn., 9 Taf. mit 36 Plänen u. Ans. u. 58 gest. Tab. Die Karte (Venetien) am Rand rissig, sonst nur die beiden ersten Bll. randrissig bzw. mit Einriß. Anfangs mit Wasserfleck, sonst nur geringe Gebrauchsspuren bzw. fleckig. Einband fehlt.

HK 6-10 Nov 84 lot 1247b

DM9775

SCHLEUEN, J. D. Das Kgl. Preussische Souveraine Herzogthum Schlesien. [Berlin], 1747

Fol. 16 altkl. Ktn. Thieme-B. XXX, 107 (Schleuen); Stopp-Langel S. 62 ff. beschreibt eine wohl etwas frühere Folge, die noch nicht als nummerierte, geschlossene Serie erkennbar ist, die Generalkarte noch ohne den oben zitierten Haupttitel. Karte 14 (Oppeln) fehlt; dafür ist eine ähnliche Karte von F. B. Werner: Crossen, datiert 1746, beigegeben. Sehr selten.

RA 9-13 Oct 84 lot 3111

DM7475

SCHREIBER, J. G. Atlas Selectus. Leipzig, [c.1749]

Ou.-4to-oblong. Tit., Meilenzeiger u. 124 Karten. Pp. d. Zt. stark bestoßen u. beschädigt. Phillips 609. Auf der Griechenlandkarte 1749 datiert. Schön koloriert mit ausgemalten Kartuschen, auf starkem, gleichmäßig leicht gebräunttem Papier, kaum stockfleckig. In der oberen Außenecke von zeitgenöss. Hand numeriert. Karten von Spanien u. Böhmen am Innensteg außerhalb des Bildes eingerissen. Vermutlich fehlt 1 Blatt Kartenverzeichnis und (nach Phillips) 1 weitere Karte.

RA 9-13 Oct 84 lot 3334

DM6900

SENEX, J. The Roads through England Delineated. London, 1762

Oblong 8vo., 102 maps on 51 leaves, several lightly soiled, one margin cleanly torn, contemporary calf-wrappers.

Cs 2 Nov 84 lot 132

£380

SEUTTER, M. Atlas. Augsburg, [c.1730]

20 doppelseit. Karten m. Flächenkolorit. Ohne Titel u. Einleit., 2°. Hpgt. (Einband stark abgenutzt; R. defekt. Einige Bl. im Falz unterlegt. Ober- u. Unterkanten t. bestoßen, Ränder wenig wasserfleckig). Im ganzen gut. Die Karten in wirkungsvollem Kolorit u. durchweg gutem Druck. Vgl. Sandler 8-10; 14,2 Vorhanden Nr. 1, 2, 171, 183, 184, 5, 8, 19, 23, 51, 35, 63, 147, 143, 152, 162, 227, 157, 158, 173 (Reihenfolge der Heftung).

V 28 Sep-1 Oct 84 lot 10

DM3680

– Atlas Minor. Augsburg, [after 1740]

Gr.-8vo. Kol. Tit. u. 63 kol. Ktn. Ldrbd. (um 1900), locker. Vgl. Phillips-L Gear 5976.-Selten. Unser Ex. enth. kein Kartenverzeichnis (nur handschriftl. auf der Rückseite der Asienkarte). Typisches Seutter-Kolorit. Die Bugfalten ca. 4 cm breit etwas leimgelb. 9 Karten im Bug durch Kolorit-verklebung mit großen Fehlstellen: Böhmen (beide), Brandenburg, Danemark, Mähren, Pommern, Sachsen, Schlessien u. Sibirien.

RA 9-13 Oct 84 lot 3335

DM4485

SPEED, J. The Theatre of the Empire of Great Britaine. London, 1611-12

FIRST EDITION, 4 parts in one vol., engraved pictorial title, engraved or woodcut royal arms in each part and 67 maps, TITLE, ROYAL ARMS, INITIALS, ETC. AND ALL MAPS WITH EARLY COLOURING, mounted on later guards (title slightly stained and rubbed with foremargin repaired; a few maps with splits at centre fold; a few marginal tears and defects repaired; final index p. defective; slightly discoloured throughout), old green half reversed calf (somewhat worn), [Chubb xxii], folio.

C 14 Nov 84 lot 206B

£9180

– The Theatre . . . together with a Prospect . . . of the World. London, 1676

5 parts in one vol., engraved title, printed title, engraved frontispiece with the arms of Charles II and 96 maps and 5 tables of roads, all mounted on guards, 12 or 3 maps just shaved in foremargin, one map with small tear at base of fold; map of Persia laid-down), late calf gilt (upper cover detached), [Chubb xxvii], folio.

C 14 Nov 84 lot 207A

£16,200

– England Wales Scotland and Ireland Described, "Miniature Speed" [van den Keere maps]. London, 1627.

Title, 'Catalogue of all the shires', 62 maps of 64; lacking 'England, Scotland and Ireland' and 'Midia'; engraved title laid down, foremargin frayed and thumbled, lower margins of title and table cropped; folding map of Yorkshire wormed and defective; small worm holes in margins of 7 leaves), old calf (covers detached), [Chubb xii calling for only 63 maps], oblong 12mo.

C 14 Nov 84 lot 207

£756

STEYAART, A. Caart-Boeck van Voorne, alle Doorpen & Polders in Oost ende West Voorne. 1701

Eched title, 32 maps in very fine contemp. col. Hfcalf (sl rubbed) large 4to – v. Eeghen/v.d. Kellen II, 522;

Landwehr, R.d.H. 97, colouring too heavy, resulting in damage to 12 maps, incl. 9 with loss of larger or smaller portions.

VG 24-5 Oct 84 lot 1804

G5400

TIRION, J. [Atlas der Nederlanden]. Amsterdam, 1745-58

Composite with contemp. ms. index, 38 maps in very good contemp. colouring. Blindst. calf, titled on spine 'Atlas Belgiæ', spine gilt (spine-ends & lower cover a bit dam.) fol.

A few maps a bit worn in the folds, 1 with a tiny hole, very good copy.

VG 14 Dec 84 lot 156

G6000

VISSCHER, N. Atlas Minor. Amsterdam, [c.1690]

Gr.-Fol. Kolor. goldgehöhter Kupfertit., 1 Bl. Reg. u. 79 (st. 80) kolor. u. goldgehöhte Karten. Ldr. d. Zt. Es fehlen die Taf. 30 (XVII. Provincie Germaniae inferior.) und 54 (Champagne), dafür eine Taf. o. Nr., jed. im Register aufgeführt: Rhynerk, Coln., Bonn, Coblenz . . . (20 Festungsgrundrisse). – Tfs. leicht bräunlich, relativ wenig fleckig. Kleine Einrisse in den Rändern und bei 9 Taf. größere Einrisse im Blatt oder am Bug sorgfältig hinterlegt. Eine kl. Bruchstelle. Zwei Ktn. sorgfältig restauriert (Burund). Wenige leichte Quetschalten. Tit. hs. bezeichnet '1683', gestemp., am Rand tfs. verstärkt u. etwas angeschmutzt. Einbd. sorgfältig unter Verwendung des alten Materials restauriert.

HK 6-10 Nov 84 lot 1252

DM34,500

WALKER, J. & C. British Atlas. London, 1858

Tit., 49 kol. maps. Large 4to, ½ leather, disbound.

Sw 20 Dec 84 lot 18

\$358

WEIGEL, J. C. Descriptio Orbis Antiqui. Nuremberg, [c.1720]

Titel, gest. Index u. 44 flächenkolorierten. Rad., davon 40 Karten u. 4 Pläne bzw. Vogelschauansichten. 2°. Mod. schlechtes hellbraun. Ldr (Titel u. Index am weißen Rand angestückt; t. wenig fleckig). Exlibris u. Dublettenstempel d. Bibliotheca Regia Hannoverana. Sehr schönes Exemplar.

V 28 Sep-1 Oct 84 lot 12

DM2390

ZATTA, A. [Atlante Novissimo, vol. 3. Venice, 1784]

Ou-Gr.-Fol. 54 grenzkolor. Karten (Ohne den gestoch. Titel), 1 Indexbl. Ldrbd. d. Zt. mit goldgepr. Rtit. und floraler Rvg. (berieb. und bestoßen, Gelenke etw. brüchig bzw. angebrochen, Kapitale teilw. etw. beschädigt). Phillips 650. Vorn irrtümlich eingeb. der gestoch. Titel des 4. Bandes. Das Indexblatt aufgezoogen. Stellenw. leicht wasserandig, wenig braun- und fingerfl., sonst gut erhalten. – Die Karten plano auf kräftigem Papier ohne den üblichen Mittelfalz.

ZK 26-7 Sep 84 lot 3224

DM3105

EARLY COUNTY MAPS

A selection of the earliest printed county maps of England and Wales sold at Auction between March and December 1984.

(The numbers in brackets before each price refer to the list of sales given at the beginning of *Collectors' Barometer*).

BRITISH ISLES

SAXTON, 1568. Anglia. Col., fleur-de-lys watermark, fold strengthened, margin repaired, slightly soild. (12)

£1058

SPEED, [1611]. Britain. Col., no margins showing, framed, double-glazed. (10)

£130

– [1611]. Britain. Browned. (7)

£162

– [1611]. Britain (Saxons). Col., framed. (22)

£220

– [1676]. Britain. Col., framed, double-glazed. (6)

£292

– [1632]. England. Col., framed, double-glazed. (6)

£237

– [1632]. England. Col., framed. (22)

£110

[1676]. England. Col., small repair at fold, framed. (1)

£200

– [1611]. Invasions. Col., framed. (22)

£145

ENGLISH COUNTIES

Bedfordshire

SPEED, [1627]. Outline col., fold repaired, margins lightly soiled, one small hole. (1)

£45

Berkshire, see also Oxfordshire.

SPEED, [1676]. Col. (9)

£97

– [1676]. Col., framed, double-glazed. (6)

£173

Buckinghamshire, see also Oxfordshire

SPEED, [1611]. Col., cut. (21)

£110

– [1627]. Outline col., margins lightly soiled, mounted. (1)

£180

[1676]. Outline col., framed. (3)	£120	- [1676]. Col., wormhole, repairs. (8)	£151	SPEED, [1611]. Col., framed. (21)	£110
[1676]. Col. (14)	£76	- [1676]. Col., minor marginal tears, slight browning. (26)	£148	- [1676]. Col. (8)	£227
as above. (2)	£60			- [1700]. Outline col., printing defect in corner. (27)	£143
Cambridgeshire		Herefordshire		- [c.1700]. Outline col. (28)	£149
SAXTON/KIP, [1610]. Outline col. (18)	£38	SAXTON, 1577. Col., grapes watermark. (15)	£864	Warwickshire , see also Leicestershire	
SPEED, [1611]. Col., framed. (21)	£110	SAXTON/LEA, 1665. Col., partial split on fold. (27)	£121	SPEED, [1611]. Col., framed, double-glazed. (9)	£81
Cheshire		Hertfordshire		- [1676]. Col., framed. (7)	£65
SAXTON, 1577. Col., grapes watermark, good margins. (12)	£1458	SAXTON, 1577. Col., lower margin cut & restored, slight damage, faint browning, framed. (17)	£572	Westmorland	
SAXTON/HOLE, [1607]. A little browned overall. (25)	£53	- [1579]. Col., grapes watermark, top & bottom margins trimmed. (6)	£1620	SPEED, [1676]. (2)	£30
- [1607]. Outline col., margin little stained. (27)	£46	SMITH, [1665]. Col., small stain, framed. (17)	£286	- [1676]. Outline col., framed. (3)	£40
- [1607]. Outline col., margin a little stained. (28)	£46	SPEED, [1611]. Col., slight split in fold, framed, double-glazed. (9)	£238	- [1676]. Margins slightly browned. (1)	£90
Cornwall		Huntingdonshire		Wiltshire	
KIP, [1610]. Printing defect, some browning. (24)	£77	SPEED, [1632]. Small tear in fold. (10)	£60	SPEED, 1676. Outline col., mounted, framed. (3)	£75
- [1637]. Outline col. (5)	£55	Islands		- [1676]. Col. (14)	£259
SPEED, [1611]. Framed, double-glazed. (18)	£275	SPEED, Holy Is., Guernsey, Farne, Jersey, [1627]. Col., some soiling. (2)	£30	- [1713 or 1743]. Col. (26)	£165
- [1676]. Col., framed, split at fold, repaired. (16)	£99	[1676]. Holy Is. etc. Margins lightly browned. (1)	£60	Norfolk	
Cumberland		- [1676]. Holy Is. etc. Col. (13)	£32	SAXTON, 1574. Col., Fleur-de-lys/grapes watermark, slightly discol. (12)	£810
SAXTON/KIP, [1637]. Outline col., mounted. (28)	£22	- [1676]. Holy Is. etc. Fold a little browned. (29)	£83	SAXTON/KIP [c.1607]. Col., double-glazed. (14)	£49
SPEED, [1611]. Good margins, minor rubbing & spotting. (23)	£88	- [1611]. Is. of Man. Col., framed. (8)	£173	- Col. (22)	£22
1611. Slightly soiled. (2)	£70	[1627]. Man. Margins repaired. (1)	£120	SPEED, 1611. Col., framed, double-glazed. (12)	£140
- [1676]. Fold repaired. (1)	£90	[1676]. Man. Fold a little browned. (29)	£116	- [1611]. 3 small tears, fold slightly worn. (12)	£151
Derbyshire		- [1713 or 1743]. Man. Outline col., lightly browned, mounted. (24)	£126	Northamptonshire	
SAXTON, 1577. Col., fine impression, framed. (17)	£748	- [1676]. Is. of Wight. Col. (26)	£121	SPEED, 1610. Outline col., framed. (3)	£60
- 1577. Col., grapes watermark. (15)	£842	- [1713 or 1743]. Wight. Col., slight browning, framed. (26)	£137	- 1611. Col., double-glazed. (14)	£130
SPEED, [1627]. Good impression. (18)	£121	- [1740]. Wight. Col. (11)	£97	- [1676]. Fold repaired. (2)	£30
Devonshire		Kent , see also Sussex		Northumberland	
SAXTON, 1575. Col., grapes watermark. (12)	£1430	SAXTON/EA, [c.1689]. Crude outline col., clean tear on fold, margins soiled with loss. (4)	£55	SAXTON/LEA, [1689]. Col., lightly stained, framed. (2)	£50
SAXTON/KIP, [n.d.] Col. (21)	£49	SPEED, [1613-14]. Col., fold repaired, framed & double-glazed. (26)	£209	SPEED, [1611]. Col., double-glazed. (14)	£108
SPEED, [1676]. Col. (27)	£165	- [1676]. Col. crude. (14)	£194	- [1676]. Fold lightly browned. (1)	£85
Dorsetshire		Lancashire		- [1676]. Fold somewhat browned. (29)	£83
SPEED, [1627]. Margins repaired. (1)	£95	SAXTON/HOLE, [1607]. Outline col., lower margin closely cropped. (25)	£55	Nottinghamshire	
- [1676]. Outline col. (2)	£160	[1637]. Col. (14)	£81	SPEED, [1611]. Col., framed, double-glazed. (9)	£97
- [1713]. Trimmed to plate-mark. (25)	£159	- [1637]. Col. (24)	£60	- [1611-12]. Col., double-glazed. (29)	£94
Durham		SPEED, [n.d.] Col., trimmed, framed. (21)	£165	- [1676]. (2)	£40
SAXTON, 1576. Col., grapes watermark. (15)	£1134	- 1676. Badly foxed, 2 small tears, margins stuck down, framed. (8)	£87	Oxfordshire	
SAXTON/KIP, [n.d.] Col., framed. (21)	£59	- [1676]. Col., double-glazed. (14)	£346	SAXTON, 1574 (with Buckinghamshire & Berkshire). Col., grapes watermark, margins stuck to mount. (12)	£842
SPEED, [1627]. Fold repaired. (2)	£30	- [1713 or 1743]. Outline col. (24)	£242	SPEED, [1627]. Outline col., some wear on fold, mounted. (1)	£200
- [1676]. (1)	£80	Leicestershire		Rutlandshire	
Essex		SAXTON, 1576 (with Warwick). Col., faint offsetting, fine impression, framed. (17)	£748	SPEED, [1676]. (2)	£45
SPEED, [1611-12]. Col., small taped repairs browning. (29)	£88	- 1576. Col., strengthened at fold. (19)	£682	Shropshire	
Gloucestershire		SPEED, [1616]. Outline col., slight soiling, good impression. (16)	£176	SAXTON, [1576]. Col., faint offsetting, fine impression, framed. (17)	£484
SAXTON, 1577. Outline col., one small hole, laid down, lightly stained, framed. (3)	£550	- [1676]. Minor marginal defects. (29)	£82	SPEED, 1631. (21)	£71
- 1579. Col., fold repaired, trimmed to margins and restored, framed. (29)	£772	Lincolnshire		Somersetshire	
SAXTON/HOLE, [1637]. Fold strengthened. (25)	£48	SPEED, [1676]. Outline col., framed & double-glazed. (18)	£154	SAXTON, 1575. Col., laid down, tear repaired. (12)	£648
- [1637]. (27)	£48	Middlesex		- 1575. Col., 2 small holes, laid down, framed. (3)	£1050
SPEED, [1611]. Neat repair on fold, framed. (1)	£100	SAXTON, 1576. Outline col., fold repaired, lightly soiled, mounted. (2)	£160	SAXTON/KIP, [1610]. Outline col. (2)	£25
[1676]. Col., fold strengthened, double-glazed. (28).	£149	- [1627]. As above. (1)	£190	SPEED, [1611]. Col., slight wear at fold, small margin tears. (9)	£172
[1662]. Framed. (21)	£132	- 1676. Browned. (7)	£151	Staffordshire	
Hampshire				KIP, [c.1610]. Edges a little browned. (29)	£35
NORDEN/HOLE, [1610]. Col., framed. (5)	£45			SPEED, [1676]. Strengthened on fold. (27)	£88
SPEED, [1627]. Small repair on fold. (27)	£176			- [1676]. Fold a little browned. (29)	£94
SPEED, [1676]. Col. (7)	£238			Suffolk	

SAXTON, 1575. Col., grapes watermark, 2 small wormholes repaired. (15)	£410	- [1676]. Col., mounted. (23)	£247	SPEED, [1676]. (24)	£82
SAXTON/SMITH, [1665]. Outline col., framed. (17)	£308	- [1676]. Outline col., mounted. (1)	£170	- [1676]. (2)	£45
SPEED, [1611]. Small tear on fold, repairable. (14)	£108	Brecknockshire		Glamorganshire	
[1627]. Margins repaired. (1)	£80	SPEED, [1611-12]. Outline col., light marginal water stains, double-glazed. (29)	£61	SAXTON/HOLE, [1607]. Orig. col., little browned. (26)	£46
Surrey , see also Sussex		- [1614]. (28)	£50	- [1607]. As above. (25)	£40
SORDEN/KIP, [1610]. Little browning at fold. (24)	£88	- [1676]. (24)	£77	SPEED, [1627]. Margins repaired. (1)	£90
SPEED, [1611]. Browned, fold & margins strengthened, creases, corner repair affecting border. (7)	£76	- [1676]. (2)	£45	- 1676. Minor damage to fold. (25)	£99
[1676]. Col., fold badly creased. (6)	£216	Cardiganshire		- [1676]. Col., small repair on fold, double-glazed. (29)	£77
[1676]. Col., framed. (22)	£110	SPEED, [1676]. Outline col., some water stains to margin, framed. (26)	£93	Merionethshire	
Sussex		- [1676]. (2)	£50	SPEED, [1676]. (2)	£40
SAXTON/LEA, [1689] (with Surrey & Kent). Outline col., clean tear on fold, margins soiled with loss. (2)	£60	Caernarvonshire		- [1676]. Partial split base of fold, some light water stains. (24)	£66
Worcestershire		SAXTON, 1578. Col., laid down, some browning and discolouration, grapes watermark. (9)	£454	Monmouthshire	
SAXTON/LEA, [1693]. Outline col., margin repaired, framed. (3)	£160	- 1578. Orig. col., small pen marks, marginal wormhole, faint dust-soiling, a good impression. (20).	£550	SAXTON/HOLE, [c.1610]. Edges a little frayed and browned. (29)	£42
SPEED, [1676]. Partial col., framed. (26)	£93	SAXTON/HOLE, [1607]. Outline col., minor rubbing, mounted. (23)	£77	SPEED, [1613-14]. Col., framed. (26)	£93
Yorkshire		SPEED, [1676]. (2)	£45	Montgomeryshire	
SAXTON/HOLE, [1607] (W. Riding). (27)	£55	- [1676]. Col., double-glazed. (14).	£130	SPEED, [1611-16]. Col., framed, double-glazed. (27)	£57
SPEED, [1710]. Outline col., mounted on cloth, folding with cloth folder. (1)	£30	Cardiganshire		- [1676]. (2)	£30
[1610] (N. & E. Ridings). Col., slight wear on fold, framed. (3)	£95	SPEED, [1676]. (2)	£40	- [1676]. (24)	£66
[1611] (N. & E. Ridings). Col., double-glazed. (14)	£238	- [1676]. (24)	£71	Pembrokeshire	
[1627] (N. & E. Ridings). Margins repaired. (1)	£80	Denbighshire		SPEED, [n.d.] Lower corners repaired with loss of engr. surface, verso blank. (1)	£70
WELSH COUNTIES		SPEED, [1676]. (24)	£77	- [n.d.] Lower corners repaired, verso blank. (2)	£55
SPEED, [1611]. Col., fine impression, framed, double-glazed. (17)	£308	- [1676]. (2)	£30	Radnorshire	
[1627]. Short split in fold (18)	£198	- [1676]. Col., double-glazed. (14)	£70	SPEED, [1676]. (24)	£60
		Flintshire		- [1676]. (2)	£40
		SAXTON/KIP, [c.1640]. Col., spotted. (13)	£27	[1676]. Col. (13)	£81

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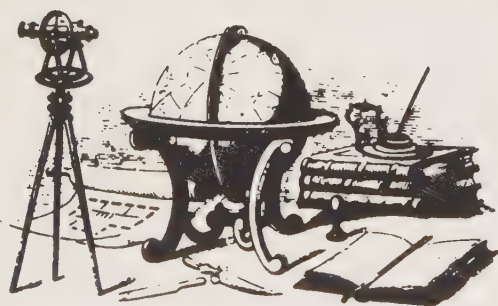
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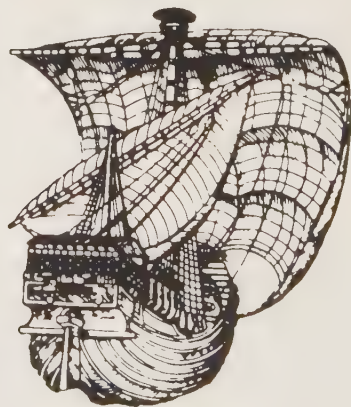


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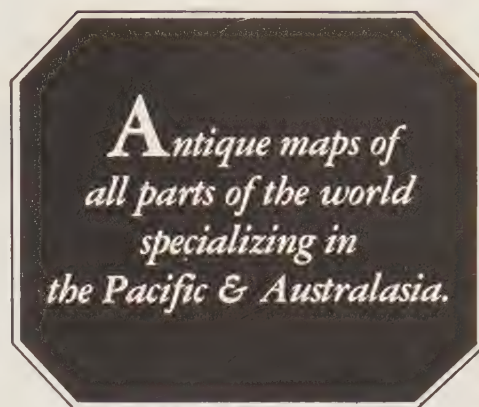


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SURREY. Emanuel Bowen, London, T. Bowles, J. Bowles and Son, Bakwell and Parker, H. Overton, T. Kitchin, R. Sayer and J. Ryall, (1762). "An accurate Map of the County of Surrey Divided into Hundreds". An extremely detailed county map (including London), from the Royal English Atlas, with detailed notes on market towns and historical events in the area. Place name detail is extensive in this fine and handsome map. Fine original outline colouring. Fine condition. 12 1/2 x 19 1/2 ins. £165

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SUFFOLK. (John Bill, London, 1626). "Suffolke". Often confused with the similar van den Keere map in the so-called "miniature Speed" atlas, Bill's is rather more finely engraved, recalling the Kip-Hole map of 1607. The map itself was not republished after the edition of 1626. Text relating to Norfolk on verso. Fine condition. 3 1/4 x 4 1/2 ins. £80

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IRELAND-CONNAUGHT & Munster. A. Zatta, 1778. "Parte del Regno d'Irlanda, cive le Provincie di Connaught e Munster". Title upon a scroll within a decorative floral cartouche. Detailed map showing the boundaries of the counties and parishes, with rivers and numerous place names. Fine. Original colouring. 12 1/2 x 16 1/4 ins. £50

(J. N. BELLIN. Paris, 1763, the issue of c. 1770). "Carte des Isles Bermudes ou de Sommer Tire de l'Anglois". Bellin's neat, attractive map of Bermuda first appeared in Vol. 1 of the "Petit atlas maritime" in 1763 and was later used in Abbe Prevost's "Histoire general des voyages". Reefs and shoals are shown around the coasts, and

rhumb-lines fill the sea area. 333 x 200mm. Uncoloured and fine. £125

ARABIA. Gilles or Didier Robert de Vaugondy, Paris, 1753, but 1758 or later. "Etats du Grand Seigneur en Asie, Empire de Perse, Pays des Usbecks, Arabie et Egypte". The general map of the Middle East, from the "Atlas universel", figured title-cartouche. Original outline colour. Good condition. 478 x 550mm. £120

AFRICA. Nicolaas Visscher, (Amsterdam, c.1690). "Africae accurata tabula". A particularly fine general map of the continent showing the Ptolemaic view of the Nile rising in the sub-Equatorial lakes Zaire and Zallan. A fine, dark impression, remarkably clean. Bright original colouring. 553 x 443mm. £195

CHINA. Abraham Ortelius, after Luis Jorge de Barbuda, (1584, Antwerp, Officina Plantiniana, 1595 or later). "Chinae, olim Sinarum regionis". The first atlas map of China, included by Ortelius in the "Theatrum" from 1584 onwards and based on Portuguese missionary travels. It includes part of Japan and the Philippines in a particularly striking design. Latin text on verso. Fine colour. 370 x 470mm. £385

EAST INDIES. Jan Barend Elwe, Amsterdam, 1792. "4 Partie de la Nouvelle Grande Carte des Indes Orientales". The fourth sheet of a large wall-map showing the East Indies from Java to New Guinea and a portion of Australia. Three insets show Sumbawa, Solor, Muna and Buton. A reissue of an Ottens plate of about 1750. Fine colour. 503 x 607mm. ref: Phillips 674.675. £320

BATAVIA, JAVA. J. W. Heydt, (Nürnberg, c.1770). "Plan oder Grund-Riss, der Stadt Batavia, samt der eine Stund weges umherlegenden Gegend". The fortress and merchant town of Batavia, founded in 1619 by J. P. Coen of the Dutch East India Company, as it was in the 1740's. Now known as Jakarta, it is the capital city of modern Indonesia. Fine condition. 223 x 260mm. £85

EAST INDIES. Jodocus Hondius, 1606, the issue of c.1623, Amsterdam. "Insulae Indiae Orientalis". The general map of the islands from an edition of the Mercator-Hondius Atlas minor, including New Guinea and an indication of the Cape Yorke peninsula. French text on verso, good condition. 188 x 250mm. £65

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HAKLUYT. The Principal Navigations, Voyages, Traffiques and Discoveries of the English Nation... London: Bishop, Newberie, and Barker, 1600, 1599, 1600. The first volume with the title page in the fourth state, dated 1600 and omitting the reference to the voyage to Cadiz. That voyage present in the 52 line facsimile of 1720. The second and enlarged edition. Three volumes in two, the third relating entirely to America. Lacking the map as usual. Folio, contemporary calf, mixed binding, rebacked. Internally a clean tall copy. \$2,000.00

VISSCHER. Novi Belgii, novaeque angliae. Amsterdam, c.1683. The fourth state of the map in fine original color, including the third known view of the city of New York. Philadelphia is shown two years after the grant to William Penn. Excellent condition, with elegant silk mat and sumptuous gilt frame (acid free). Map: 22" x 18 1/4". \$2,750.00

CORONELLI. Mer del Sud [Pacific ocean]. Venice, 1695. An important map of recent discoveries in the Pacific, and one of the most decorative maps of the area ever printed. Splendid early color, 23 3/4" x 17 3/4". Excellent condition. \$950.00

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LA PEROUSE, JEAN FG. DE COMPTE. Plan du Port de St Diego... 1782/Plan du Port de St Blas... 1777. Paris, 1797. Two fine early harbor charts on one sheet showing soundings, anchorages, and settlements. "Mission de St. Diego" named to the north-east of the bay. Outline color, 13 1/4" x 19 1/2". \$325.00

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is the prime meridian, the map's vertical meridian is 20° E. This clever device enables the whole of America to be drawn within one half of the map, without its western extremity appearing on the eastern side, Alaska being taken for an insular extension of Asia, after von Stahlin (1773). Cook's first voyage, with its Australasian discoveries, is very clearly drawn. A fine copy with original body colour. £550

"LES DEUX POLES Arctique ou Septentrional, et Antarctique ou Meridional, ou Description des Terres Arctiques et Antarctiques; et des Pays circonvoisins jusques aux 45 Degres de Latitude" by Nicolas Sanson, engr. Jean Sommer, pub. Mariette, Paris, 1657; 21" x 15 1/4". A double quartasphere map of the polar regions. The southern circle is largely occupied by "Terre Magellanique, Australe, et Incognue". The most northerly land is Point Purchas; the northern borders of the American Great Lakes are drawn and Lake Superior named; the whole of N.W. America, from 184° to 260° E. is labelled "Terre de Yezo, ou Jesso". An excellent copy with original outline colour. £200

"LE COMTE DE FLANDRES divise en ses Castellannies, et Balliages, & c..." by Jaillot, Paris, 1695; two sheets, overall 40 1/2" x 28 1/4". Flanders, on a scale of 1:150,000. The towns are drawn in detail, with accurate outlines of their fortifications. Large allegorical cartouche in the baroque style. The pair in excellent condition, with original outline colour. £100

"LE DUCHE DE LUXEMBOURG..." by Jaillot, Paris, 1695; four sheets forming a large-scale map, c.1:150,000, of 48 1/2" x 41". The 5 of 1695 in the title and a running-title is in MS over a 3 erased from the plate, and 1695 is added in contemporary MS to the scale. A very detailed map, with roads and tracks; the fortified towns are drawn with great precision. Very fine baroque cartouche signed S.F. Original outline colour. A fine set. £350

"DAINAE REGNUM" by Gerard Mercator, Amsterdam, 1595, from the French edition of 1628; 17 3/8" x 14 1/8". Though apparently owing more to Mark Jodens (1585) than to the earlier map by Anthonisz, which Ortelius used, Mercator achieves a more accurate outline than Jodens, implying an independent source, perhaps contemporary charts. Includes the Danish possessions of Skania and Bornholm. Festooned strapwork title-cartouche. An excellent copy with most attractive original colour. £150

"CHARTA OFVER DEN Namnunnoga Trollhatten Belagen I Gotha Alf..." MS in pen and ink with colour washes by Christer Hillerstrom, 1783; 27 3/4" x 17 5/8". The River Gotha Alv at Trollhatten, showing the rapids, islands, and rocks, with the Nya canal. Three of the locks are shown in profile above the map. Houses, bridges, and other features are drawn and named. Compass; decorative dedicatory cartouche; rococo title-cartouche. Restored, including a piece replaced, and laid onto archivists' tissue, but of attractive appearance. £300

"POLONIA ET SILESIA" by Gerard Mercator, Amsterdam, 1585, from the latin edition of 1630; 17 7/8" x 13 1/2". Plate 23 of Buczec's History of Polish Cartography. Mercator's source is attributed by Buczec to a copy or altered version of Wapowski's 1:1,000,000 map of 1526. Mercator's map extends no further north than to within 50 miles of Danzig. An excellent copy, with attractive original colour. £100

"POLONIA REGNUM, et Silesia Ducatus" by Willem Blaeu, Amsterdam, 1634; 20" x 16 1/4". Based on the maps of Gerard Mercator. It is interesting that the town of Markisch Friedland, correctly placed by Mercator, has been engraved by Blaeu in the same place but rubbed from the plate (imperfectly, so that it shows faintly), while Prydlant, copied from Mercator, has had its P changed to F. As there is Prussian Friedland a little to the east and a fourth, apparently apocryphal, Friedland in Brandenburg, Blaeu probably assumed the P to be a mistake, decided that four Friedlands was most unlikely and simply discarded one. Blaeu's usual decorative features. An excellent copy with fine original colour. £120

"LE ROYAUME DE PORTUGAL..." by J.B. Nolin, Paris, 1704; 18 1/4" x 25 1/8". A decorative map of Portugal, with a baroque title-cartouche holding two figures of fruit-pickers, and a large "Description du Royaume..." with rococo decoration surmounted by the arms of Portugal and the Algarve. Fine original full colour. The top and bottom margins cut very close; very good condition. £100

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Jansson; this copy has probably come from an early c18th atlas, nevertheless, Behold the bright original appear. There have been alterations to Hondius's plate, some towns are no longer formal bird's-eye views but plans of streets and fortifications; while the earlier imposing cartouches are succeeded by de Wit's lighter, cherubic, creations. A fine copy with original body colour. £60

"DUCATO DI NORMANDIA" by Coronelli, Venice, late c17th; 23 3/8" x 17 7/8". The Duchy of Normandy, extending to the western border of Paris, engraved in Coronelli's flourishing style on a scale of approx. 1:500,000. Large title-cartouche of a nereid in a shell drawn by swans; figurative scale; dedicatee's arms with cherubim. An excellent copy of a fine, uncoloured impression. £100

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"TARTARIA" by Jodocus Hondius, Amsterdam, 1606, from the French edition of 1619; 19 3/8" x 13 3/8". Though N.E. Asia was unexplored Hondius was able to give a much better idea of the region than in his previous maps; he was possibly influenced by the outlines of Plancius and Blaeu. A note by Novaya Zemlyz records Barentzoon's voyages of 1594 and 1596-7. We are endowed with a glimpse of the conjectured N.W. corner of America. Three very decorative strapwork cartouches. A fine copy with beautiful original colour. £200

"MAP OF THE West Coast of Africa comprising Guinea, and the British Possessions at Sierra Leone, on the Gambia and the Gold Coast, Together with the countries within the courses of the Rivers Senegal, Gambia, & Kowara, Compiled from Official documents, By John Arrowsmith", London, 1843; two sheets mounted on linen and joined, 38 1/2" x 24". The eastern sheet has the additional title "The River Niger Shewing the Course of the Expedition under Captain Trotter in 1841"; inset is "The Lower Course of the River Niger as far as it was ascended in the Expedition under Capt'n Trotter...". The map extends from the Equator to 18°N, and from 18°W to 11°E, on a scale of 1:3,500,000. In addition to great coastal detail, considerable information, with tracks and notes, is depicted inland along the rivers Senegal, Gambia, and Grande, from the west coast converging on Timbuctoo, in Sierra Leone and coastal Liberia, in the Ashantee district (Ghana), and along the Niger into Houssa territory. A little very light foxing, but an excellent, stout copy, with original outline colour, of a scarce map. £100

"CARTE D'AMERIQUE..." by Guillaume de l'Isle, Paris, 1722; 24 1/8" x 19 1/8". The second state of de l'Isle's map of the continent; Tooley, "French Mapping of the Americas" number 2; "Mapping of America", p. 13 plate 1. The Californian coast extends beyond Port S. Francisco and Cape Blanco to the "Entree decouverte par Martin d'Aguilar" in 1603 (the Columbia?). de l'Isle resists his earlier temptation to deduce a Western Ocean, and abstains from the North-West Passage debate by drawing his neat line at 65°N. Baroque title-cartouche; drapery cartouche bearing notes on the projection. A fine copy, without a centre-fold, with original outline colour. £360

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particularly to Dobbs' expedition under William Moor of 1746; the inconclusive results of the voyage were published in Henry Ellis's "Voyage to Hudson's Bay" in 1748. Bowen staunchly backs the theory of a North-West passage but wonders that, if Moor's efforts should fail "...whether a Voyage by Cape Horn would not sooner determine this matter...". Rococo cartouche. A fine impression of a fine copy. £100

"... CHART OF NEW ZEALAND. From Original Surveys..." by James Wyld, London, 1843; 21 3/8" x 30 1/8"; a stout copy, contemporaneously laid onto linen. An attractive and most informative map, with seven insets of bays and harbours; James Wyld the younger was at pains to keep it up to date throughout its successive issues. First printed in 1840, this is the third edition listed by Tooley (Aus. 1396), who notes the addition of Nelson. An excellent copy with original outline colour. £120

"CARTE D'AMERIQUE..." Par Guil. Delisle Et Phil. Buache... Par Dezauche..., Paris, "Chez l'Auteur Rue des Noyers", 1800; 23 5/8" x 19". A new engraving, executed for Dezauche in 1785, of de l'Isle's map of 1722; this is the 1800 issue, Tooley, "French Mapping of the Americas" 15a. The 1722 map has been completely redrawn and brought up to date; the projection is the same, and the prime meridian is still that of the Ile de Fer, but longitude on the meridian of Paris is used in the lower border. An inset in the N.W. corner shows the results of Cook's third voyage, leaving the west coast of North America south of Alaska almost the only coast to be unreliably charted on this map. Discoveries north of Hudson's Bay protrude above the neat line. The clarity of the impression implies that the plate was re-worked; there is no sign of the river or scratch in Fousang noted by Tooley. The two new cartouches, though much later engravings, are substantially the same as those of 1722. "Garantie Nationale. An 9." is engraved over an imperfectly erased "Avec Privilege d'Auteur" beneath the title. An excellent copy with original outline color. £250

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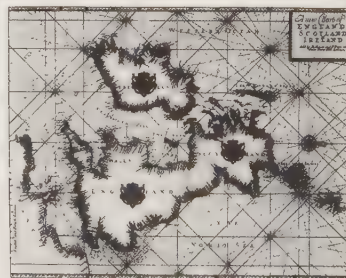
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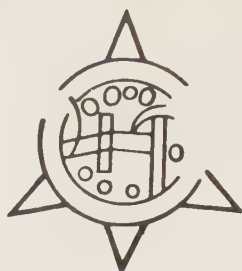
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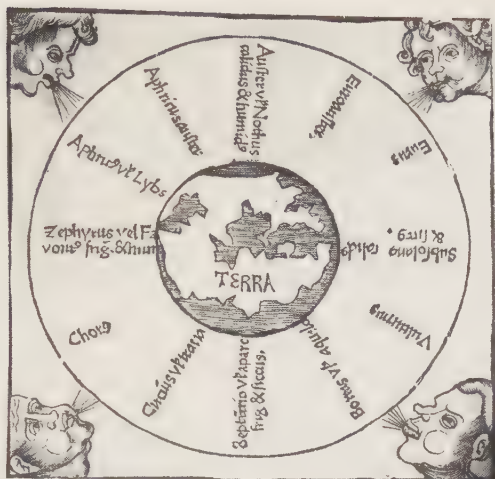
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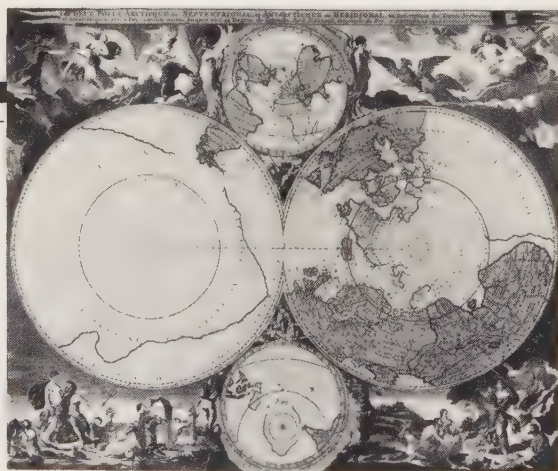
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