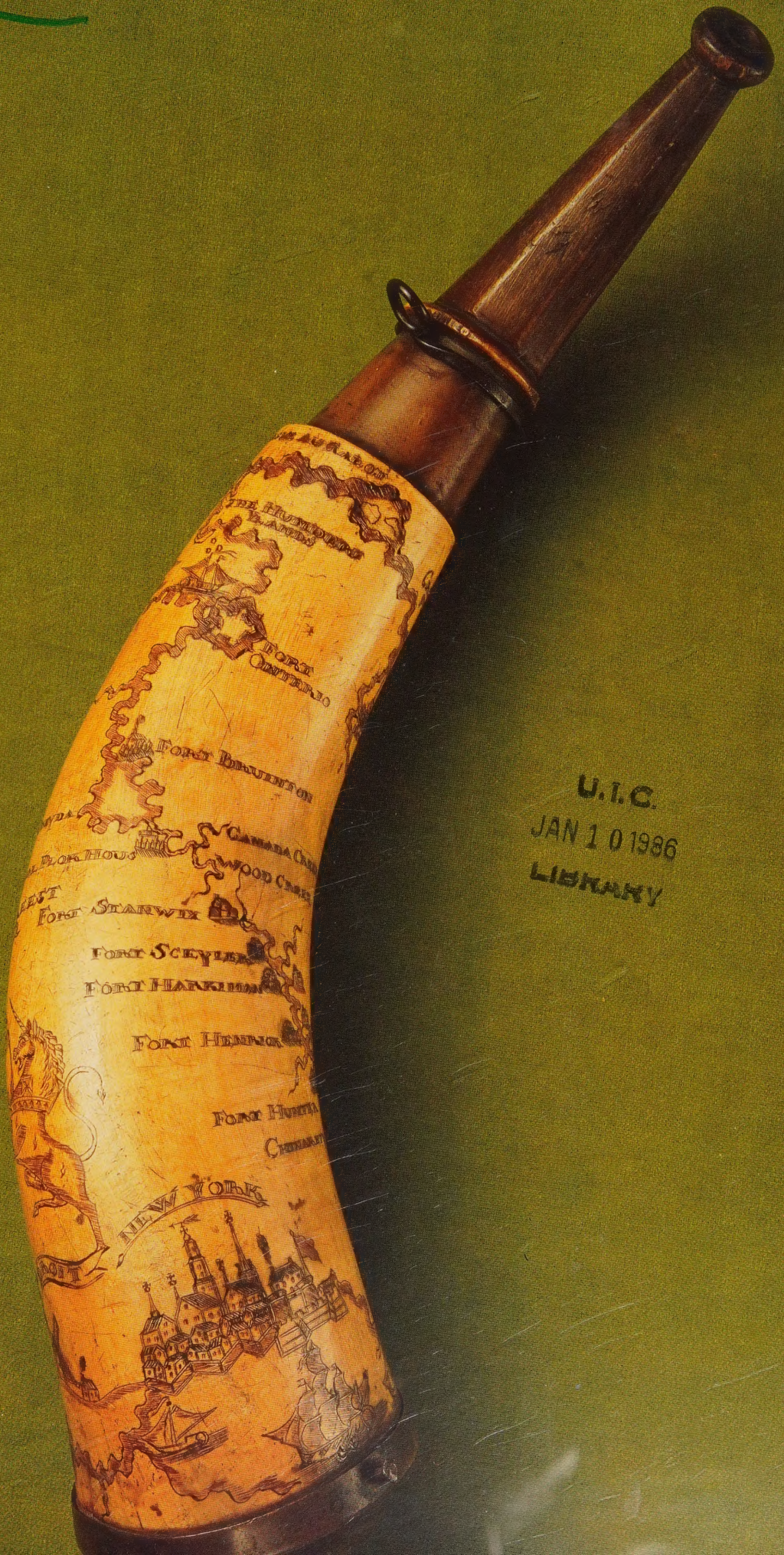


THE MAP COLLECTOR

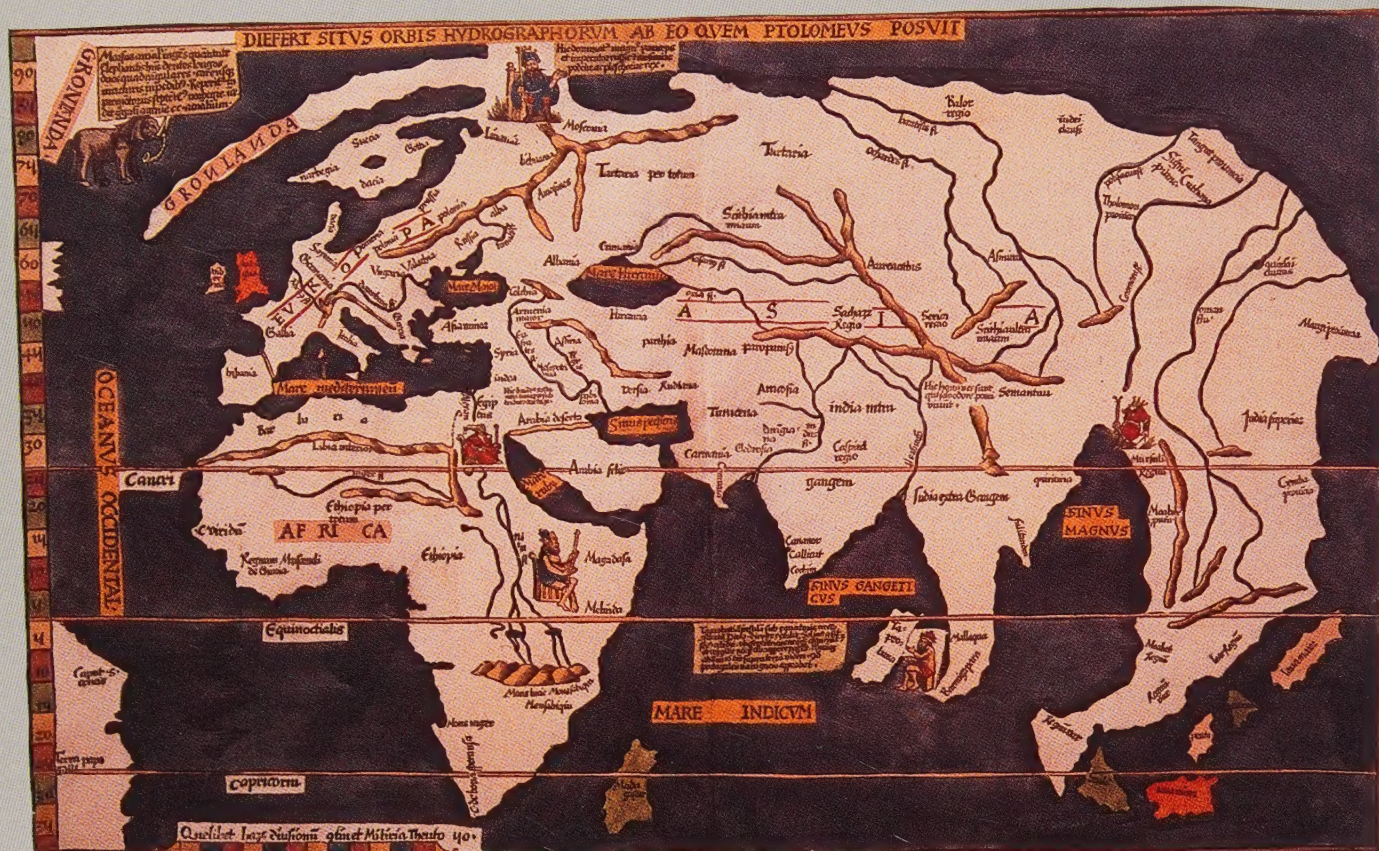
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THE MAP COLLECTOR



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Cover Illustration:

Professionally engraved New York map horn inscribed Phillip De Foreest, Ano 1762 (By courtesy of D. Barnes).



Valerie G. Scott



Editorial

HAPPY CHRISTMAS COLLECTING TO ALL OUR READERS. Included with this issue is the second index to TMC, covering numbers 21-30. Reaction to the first 20-issue index, as well as enquiries about a successor, show that its usefulness is appreciated. As before, there are three distinct sections. The first is a geographical index, tailor-made by the compilers, Tessa and Tony Campbell. Given that the early mapmakers showed a regrettable ignorance of twentieth century political divisions, it seemed most helpful to devise a hierarchical, rather than dictionary, system. This breaks the world down into broad regions appropriate to the generalized coverage of early maps, and puts all more specific entities within them. Under Western United States, for example, will be found both California and San Francisco.

The People Index provides a visual record once more of all maps reproduced in TMC. In addition, it now doubles as an index to Collectors' Barometer, the record of atlases sold at auction. This was reorganised into an alphabetical sequence in Issue 24. With its index, the new-style Collectors' Barometer gives an easy reference to the frequency with which a particular atlas appears in the sale rooms and offers a guide to its fluctuations in price.

The final section, the Subject Index, will help with enquiries that concern themes rather than places or persons. All references to the care and storage of maps, for instance, are brought together under 'Conservation', just as 'Curiosities' and 'Quotations' give a handle to information that would be irretrievable through a simple name index.

We hope that these indexes will be of value, firstly to the long-serving subscriber who may not have perfect recall of all that has interested him over the past 2000 pages of text in the magazine, and secondly to the new subscriber who can use the indexes to identify specific back numbers.

Due to the rise in production costs I'm afraid the subscription price has had to go up this month but we hope to keep it static now for some time to come.

Valerie G. Scott

Engraved Maps

by John S. du Mont

The author of this article is an American with an unusual collecting interest – engraved powder horns. The golden age of powder horns only lasted for about thirty to forty years during the eighteenth century but it was an art form which was pure americana and quite fascinating. Here he describes the history of those horns which were engraved with maps.

MAPS ON COW HORNS? As improbable as this may seem, over 200 years ago these rare collectors' items did exist – and still do.

Most students of eighteenth century military history are familiar with the cow horn that carried a soldier's supply of black powder. This was used as a propellant for the lead ball fired by his flintlock, musket, fowler or rifle. It was light, tough and spark-proof. Wooden plugs were fitted in the base and the spout, making the horn virtually waterproof. In fact, they often floated when dropped in water. By placing the raw horn in boiling water and potash, the small amount of pith inside was readily removed and the wooden base plug shrank to a tight fit when the horn dried. The owner, carefully scraping and shaping the outer surface of the horn could, if he wished, make it almost translucent, and this allowed him to tell how much powder was inside.

Almost every American male for the twenty to thirty years after about 1755 carried a powder horn for use in hunting or war. By its curvature, the horn fitted his body when suspended from a shoulder strap, regardless of whether he was left or right handed – almost as though it was designed to do so! And horns were cheap. Besides the local supply, thousands were imported from England for a few pennies apiece.

While these horns became a part of the soldier's equipment he was expected to supply, the black powder to fill them was carried by the army in kegs riding in supply wagons or stored in magazines in forts. When horns required filling they were taken to the wagons or magazines. In order to ensure that he got his own horn back each soldier had to mark it with some means of identification. Some scratched their name or mark on the horn with the point of a knife, and eventually, those with more artistic ability than others began to decorate them with various designs, quite beyond simple names or initials.

Some decorated their horns with drawings of the fort where they were stationed – with pictures of birds, animals, ships, towns or foliate designs and some drew maps of the area in which they served militarily.

The practice of engraving powder horns may have been a carry-over from European tradition since some seventeenth century European horns were steamed, flattened and decorated with foliate designs and hunting scenes. But the map horn is probably a strictly American innovation which reached its apogee during the fourth French and Indian War (1755-1763) in America, or as it was known in Europe, the 'Seven Years War.' Obviously, some makers were more artistic and skilled than



on Powder Horns



Above:

A New York area map horn, typical of the French and Indian war period, professionally done in polychrome. Note the blank cartouche that was never engraved with an owner's name indicating that the powder horn was apparently never sold. (By courtesy of the author)

Left:

A very high quality polychromed and professionally engraved powder horn. It shows the city of Havana 'illuminated at ye Embarkation of ye British Troops, July ye 7th 1763.' It belonged to one James Coachman who may have been an Englishman. (By courtesy of the author)



Far left:

A professional map horn probably engraved in England, showing a map from New York City to Isle au Galot near Montreal, Canada, with the Royal Arms. It is inscribed 'The Front of Town House, Old Meldrum,' which is in Aberdeenshire, Scotland, and was possibly the home of the owner, William Elmslie. This horn was probably a souvenir of the war. (By courtesy of the New-York Historical Society, New York City)

Left:

This horn belonged to the eleventh Earl of Eglinton and is engraved 'Map of the County of Albany done by a scale Eight miles to a Inch, 1760.' It carries the Royal Arms, the arms of Lt. Colonel Montgomerie, who commanded the 77th Regiment in America, and those of the Earl. The base is silver mounted. (By courtesy of the author)

Right:

The principal area of the French and Indian war was New York City north to Canada which is illustrated on this map horn. (It has been photographed against a mirror to show both sides.) The cartouche is engraved 'C.O.O.' which were probably the owner's initials. (By courtesy of the author)

others and soon found themselves employed making decorative horns for other soldiers, trading their handiwork for money or onerous duties which they wished to escape. In winter, with time hanging heavy on soldiers' hands, some very fine examples of this primitive art form were produced.

Engravers began to form engraving tools, superior to the knife, and the more advanced craftsmen rubbed soot from camp fires and various stains made from berries into the cuts, producing a pleasant polychrome effect. The finest horns, which we term 'professionally' engraved were probably done by army topographical engineers who were doing nothing more than they did regularly on oilskin or map paper. Wearing a finely decorated horn became something of a status symbol and many officers sported splendid examples of the engraver's art. Some English officers brought them home as souvenirs of their

campaigns and there is evidence that upon seeing them, competent engravers in England turned out duplicates for admiring officers, but strangely enough, copying only American scenes and maps, including the phonetic spelling of fort and place names – many of which had Indian derivations.

Perhaps the most elaborate map horns extant are those owned by the 11th Earl of Eglinton, Archibald Montgomerie, Lt. Col. of the 77th Regiment in 1757. Unlike many map horns that had the British Royal Arms engraved on them, Montgomerie's usually carried his own arms and it is believed that he, at one time, owned six of these horns. On professionally made examples, produced for sale, a cartouche was left in the centre on which the owner's name would later be cut. Some horns show no name, indicating that the horn was probably never sold.

A map horn was said to serve a two-fold purpose: besides





An elaborately engraved professional map horn in polychrome showing the siege of Halifax, Nova Scotia. It depicts both command and enlisted men's tents outside a fort and warships are seen in the harbour completing the envelopment of the city. Inscribed, 'John Stedman, Lake George, 1758', the horn is probably commemorative. Stedman enlisted in 1757, and served on board the ship *Squirrel* in the squadron commanded by Vice Admiral Saunders in Lord Amherst's invasion of Canada. (By courtesy of the author)

conform – another point to watch out for, and beware of inscriptions that are not contemporary; words as well as calligraphy.

Collectors should never ask an expert to authenticate a rare horn from a photograph. It must be carefully examined by hand and preferably with a loupe. Even then it is difficult to spot a really good fake. Two expert opinions are better than one. Beware of elaborately engraved horns with large and accurately drawn figures. This advice is also useful in examining whale tooth scrimshaw. Some collectors speak of engraved powder horns as being 'scrimshawed.' This is a misnomer as whaling scrimshaw did not occur until almost a century after the advent of the engraved horn.

From a collector's standpoint, a horn carried by a noted soldier or patriot would certainly have more value than one carried by a common soldier. For example, the Eglinton horns. On the other hand the common soldier might have owned the more elaborate horn, so one balances out the other. Beware of a prominent name. it may be right, but often is not, and try not to be a bargain hunter. Those attempting to buy mink for the price of rabbit, usually wind up with rabbit!

Certainly scarcity is a factor in evaluating rare powder horns. Of the 346 described and pictured in the 1895 sketches of Rufus

A. Grider (now owned by the New-York Historical Society, New York City), only thirty two were map horns. Since Grider's time, a few useful books and articles on the subject have been produced and these represent tools no serious collector should be without (see Further Reading).

Should a map collector have a map horn in his collection? By all means – and good luck to you!

Further Reading

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illustrated:
world map on a north
polar projection by
Louis de Mayerne
Turquet, Paris, 1648,
in an unrecorded state of
c1650; note the recent
discoveries of Tasman,
awkwardly imposed upon
pre-discovery geography.



‘Most horrid, malicious, bloody flame’

by David Smith



BY THEIR VERY nature printed maps are perishable, defenceless artefacts liable to damage and destruction from a wide range of enemy forces. Throughout their history they have been devastated by the carelessness of handlers and owners, by adverse physical environments, through outliving their usefulness, and by contact with damaging agents. Perhaps only 25 to 30 per cent have survived to the present time, often limited to just one or two known copies – creating, of course, a scarcity of supply which establishes a market in antique maps and partially determines its price structure. Of the destructive forces devouring maps over the centuries, fire has caused the most consistent and dramatic loss, bearing a considerable responsibility for the paucity facing today's map collector and the difficulties bedevilling the carto-bibliographer and cartographic historian. Unlike such catastrophes as earthquakes, war, revolution, and political turmoil, where records of losses are either non-existent or limited to specific institutions, in the case of fire it is possible to construct a sketchy picture of its action and effects for the British Isles.

Fire destroys maps in a number of senses. Obviously, since the vast majority were drawn or printed on paper and most of

Above:

The 1665 edition of John Speed's *Theatre of the Empire of Great Britaine* published by the Roger Reas in the year before the Great Fire of London is rarer than most other editions of the atlas: the 'greatest part of an Impression then newly printed being destroyed by the dreadful Fire 1666.' This detail comes from Speed's map of Merionethshire. (By courtesy of the British Library)





Above:
A typical mapmaking workshop of the seventeenth century taken from Denis Diderot's *Encyclopédie, ou dictionnaire raisonné des sciences, des arts et des métiers*. (Paris, Briasson, 1751-65). Maps were frequently made in common workrooms where a variety of different activities took place together, some involving the heating of wax or metal. The use of burning torches and open charcoal braziers to heat the plate prior to both inking and printing brought open flame into a workroom containing many combustible materials, thus increasing the risk of accidental fire. (By courtesy of the British Museum, Department of Prints and Drawings)



Left:
Although fire sometimes began within the mapmaker's own premises, more often than not it simply spread from other burning buildings in the neighbourhood. Fires were a constant threat in any built-up area, the risk increasing with the commercialisation or industrialisation of the locality. Many map-publishers' and booksellers' businesses were destroyed in the 1666 Fire of London. The narrow tortuous streets and packed conglomeration of pitch-coated timber buildings in the City were ideal fodder for fire. An unknown Dutch artist painted his impression of the conflagration c. 1667-70. (By courtesy of the Museum of London)

the rest on equally combustible materials, destruction of stocks or collections was usually total. Maps printed in the period preceding the Great Fire of London of 1666 are in short supply today; the 1665 issues of both John Speed's *Theatre*¹ and Pieter van den Keere's 'Miniature Speed' atlas², published by Roger Rea 'y^e Elder and younger at y^e Golden Crosse in Cornhil against the Exchange', are much rarer than most other editions. When Bassett and Chiswell advertised their issue of 'Mr. John Speeds laborious and most exact Geography . . .' in 1675, they noted that it had ' . . . been for seven years last past out of Print, the greatest part of an Impression then newly printed being destroyed by the dreadful Fire 1666'.³ In the destruction of Blaeu's Amsterdam premises in 1672 the loss included '4 to 5000 reams of blank paper for printing, about 5000 printed sheets of Grotius and N. Test., 5 to 6000 practically fully printed . . . If there had been no water, all his books would also have been burnt'.⁴ As it was, large quantities of printed books, atlases and maps were destroyed, although it has been conjectured that considerable stocks of printed text- and map-sheets survived either in Blaeu's shop in the Damrak, in the storerooms at the family house in the Bloemgracht, or in the possession of other map-sellers.⁵ Similarly, John Rocque lost his stock in 1750 when his Whitehall premises were gutted together with neighbouring buildings. The only concealed blessing in such annihilation was that publishers were precluded from issuing out-dated maps until their stocks of existing sheets were exhausted (as was their custom).

Although the burning of libraries and other collections appears to be less common than the destruction of mapsellers' premises, it has greater significance to the map historian since many unique maps and cartographic records, both manuscript and printed, were lost for all time, leaving only tantalisingly vague references to their existence. Some twenty-eight manuscript and forty printed maps listed in a catalogue of the Old Royal Library made soon after the Restoration in 1660 had mainly disappeared by 1757 when the royal collection passed into the safekeeping of the British Museum. Presumably most of these 'lost' maps were destroyed in the fires at the Palace of Whitehall and the King's private library in the 1690s. The fire of 1691, for example, probably consumed the important large map of Ireland produced by Robert Lythe at a scale of about 3½ miles to one inch in 1571. Fortunately, the Royal Library was located at St James' Palace and thus escaped the Whitehall fires. Similarly, a fire in 1711 destroyed the records of Strafford's survey of Ireland and some of the maps of Sir William Petty's 'Down Survey'. More of the latter were lost in a fire at the Public Records Office in 1922. A map destroyed in such an institutional conflagration might well have been a vital link in the carto-bibliographical chain or have represented

irreplaceable evidence for the historian.

Secondly, fire destroyed woodblocks, engraved plates, and lithographic stones and plates. Christopher Saxton's engraved plates of Devon and Northumberland, for instance, had certainly disappeared by 1689 when Philip Lea reissued his atlas; presumably they were lost in the Great Fire.⁶ Similarly, in 1775 Sayer and Bennett advertised a replacement, 'revised and corrected by a careful Hand, and republished by Robert Green,' for *The Land of Canaan*, . . . performed by Mr. John More . . . a Man of exemplary Piety and Learning; and published by that industrious and faithful Historian, Mr. John Speed,' which was no longer available due to 'the Plates being destroyed in the dreadful fire 1666.'⁷ In the Blaeu fire of 1672, 'the large printing works with everything in it was damaged to such an extent that even the copper-plates stacked in the far corners melted like lead in the flames and others were completely scorched. A large number of very important plates were lost there'⁸, although a conflicting report noted that 'there is hope that more than two-thirds or three-quarters of the total will be restored.'⁹ Again, to some extent, this was a blessing in disguise, for publishers could rarely resist the temptation of using even the most antiquated plates rather than taking on the costs of engraving new maps or even of undertaking major revisions of existing plates. Unfortunately, many plates survived to enjoy overlong usage. Speed's county plates, for example, engraved by about 1610, survived the Great Fire and remained in spasmodic use until Cluer Dicey's very worn issue of about 1770.¹⁰ Even more remarkably, most of the remainder of Saxton's plates, originally engraved between 1574 and 1578, were still being used to produce atlases until about 1772.¹¹ Likewise, although the fire of 1820 at John Cary's shop destroyed most of his stock, his copper plates apparently lived to fight another day. For instance, the maps which appeared from 1801 and eventually formed *Cary's New English Atlas* were still being lithographically transferred from the original plates as late as 1890.¹²

It was increasingly likely that the prudent mapmaker would be insured for fire losses. In 1708-9 the Charitable Corporation for the Relief of the Industrious Poor began to insure stock-in-trade against fire; by 1802 it was estimated that just over one third of insurable property in Great Britain and Ireland was actually insured; and, by 1862, in England and Wales some £1,000 million of property was insured at any one time leaving only about £450 to £500 million of property uncovered. Joseph Lindley, for example, paid a premium of £1 16s. for four years' fire insurance cover on the copper plates and printed sheets of his map of Surrey, published in 1793. Insurance could sometimes compensate for loss of stock as the maps could be re-printed if the plates, etc., survived. However, a loss of plates, blocks or stones was more serious as it would rarely be economic to replace them. On occasion the insured mapmaker may well have welcomed fire as a means of modernising stock and eradicating embarrassingly out-dated material. Sometimes, quick thinking and action allowed insurance to be turned to the mapmaker's advantage. In March 1815, Thomas Kelly, the map publisher of Paternoster Row in London, 'very nearly lost a moiety of his fortune through fire. Luckily, upon the outbreak of a fire in the neighbourhood a few days before, he had been alarmed, and had gone straightway to the office of the Phoenix Company, and paid a deposit on the insurance. Before the policy was made out, the whole of his stock was destroyed, but the Phoenix Company paid up without an hour's delay'¹³

Thirdly, fire brings in its wake a disruption of production plans. Maps and atlases projected, for example, in 1665 before the Great Fire were never published. Evidence suggests that the surviving Rea intended to issue a new edition of Speed in 1666, since impressions of a few counties are known with the Reas' imprint and that date, but this atlas apparently never reached publication. It also appears that a revision of Saxton's plates was underway just before the Fire, because certain maps bearing the date 1665, or traces of it, are known. As no copy of such an edition is known, it is presumed that its anonymous publisher never completed his project. It is possible that the Fire destroyed the sheets prepared for this new edition.

The severest disruption of future projects occurred when fire



caused the collapse of the firm itself. The Blaeu firm just about staggered on after its disastrous fire in 1672 but was dealt its *coup de grâce* shortly afterwards by the death of Joan Blaeu during the next year. Similarly, Charles Cradock & Co., formerly Baldwin and Cradock the publishers of maps for the Society for the Diffusion of Useful Knowledge, were forced into liquidation in the early 1850s by a fire at their premises at 48, Paternoster Row, an area apparently prone to frequent conflagration, though some stock was salvaged and sold at auction in July 1857. A few firms, however, managed to survive after a fire. G. G. and J. Robinson, also of Paternoster Row, 'met with reverses, principally through a loss of stock at a fire . . . but the wonderful prices that were realized at the auction, consequent on their declared bankruptcy, fairly set them afloat again.'¹⁴

In the 1720s, the London Assurance proposed an elaborate fire insurance classification including two categories which must have covered mapmaking workshops: 'hazardous' (timber building, ordinary goods in timber buildings, or hazardous trades and goods in brick buildings) and 'doubly hazardous' (hazardous trades in timber buildings). By its very nature map production involved 'hazardous' processes carrying a risk of fire which, in turn, would easily ignite stocks of paper and printed maps. In intaglio and other printing processes such as cerography, wax had to be heated to cover metal plates so that the fair drawing could be laid down as a guide to the engraver. Steel plates had to be heated to soften them for engraving.



W. Turner's lithograph 'A view of the Great Fire of Edinburgh taken on the 16th day of November 1824' looks down the High Street towards the blazing Tron Church. The fire started in the mapmaking premises of James Kirkwood and Sons destroying their stock of engraved plates. By its second day, the building at the corner of the High Street and Parliament Square had been reduced to rubble which sightseers used as a platform. (By courtesy of the Central Library, Edinburgh)

Charcoal braziers were used to heat the plate while it was being inked, and after inking and cleaning the plate was again heated ready to be placed in the press. And so on. In the cluttered and chaotic organisation suggested by early pictures of printing workshops, it was inevitable that accidents would happen.

Fire risk increased with the development of large integrated establishments capable of producing everything from letterpress to engraved plates, and encompassing all activities right through to the final binding of the finished atlas. In stereotyping, for instance, it was necessary to melt tin or lead composition to mould the plate, and then, in order to re-use the metal, melt the stereotype down. In Blaeu's premises, 'At the very top . . . is the foundry where type for printing in several languages is cast'¹⁵; and in Thomas Nelson's Edinburgh works, in addition to 'a stereotype foundry', there was a 'drying-room' where sheets were 'hung up in layers upon screens, which, when dried, are run into a hot-air chamber, where the ink is thoroughly dried in six or eight hours'.¹⁶ The largest establishments even manufactured their own inks and varnishes, which not only increased the fire risk from the manufacturing process but brought dangerous and highly inflammable chemicals on to the premises. The inevitable introduction of the steam press and other primitive steam-driven machinery further increased the fire hazard. The danger

of fire from copperplate printing was considered so serious that Napoleon closed the printing workshops in the Galeries du Louvre in 1806 for fear that fire from the shops would spread to his collections of plundered foreign treasures.

Little is known of the actual fires at mapmakers' premises and what information does exist seems to lay the blame on external causes rather than internal, with flames simply spreading from other burning buildings in the neighbourhood. Perhaps, in general, mapmakers were safety conscious. This view is undermined by the fact that they knew of and ignored the dangers of using the charcoal brazier to heat the plate for inking. This practice was 'extremely injurious to the health of the workmen, in consequence of the noxious vapour arising from the charcoal'.¹⁷ In some instances mapmakers can be identified as the source of the fire. The Edinburgh 'Great Fire' of November 15 to 17, 1824, which destroyed much of Parliament Square, the High Street, and the immediate neighbourhood, apparently started at the mapmaking workshop of James Kirkwood and Sons. Likewise, the fire which consumed the 'magnificent printing house' of the Blaeus on the Gravenstraat on February 22 and 23, 1672, occurred 'at half-past three in the night, due to the drying of firewood, or indeed negligence of the apprentices remaining on the premises overnight'.¹⁸

before and after the Fire helped to set them back on their commercial feet. Although the enforced locational change heralded a wider dispersion of mapsellers in the capital, particularly to the west, as they colonised Holborn, Fleet Street, and Charing Cross, many mapsellers showed an endearing loyalty to their traditional home in the City. Overton was back in Newgate by 1669, Thomas Jenner by about 1672, and Moxon in Ludgate also by about 1672.

The most renowned mapmaker to suffer at the hands of the Fire was John Ogilby who 'for above 20 years past hath with great paines and study, and with great charges, composed, printed and set forth Severall Bookes with Sculpts in a more noble & heroick way, than hath heretofore beene done in England'²⁹. He lost his premises at King's Head Court and estimated that 'the late Dismall conflagration'³⁰ had devoured 'all his whole reserved Stock of Bookes to the vallew of upwards of 3000£'³¹ leaving him worth only £5. Ogilby, not unreasonably, expressed deep bitterness at his continuing ill luck, 'the late unhappy and lamentable fire'³² having reduced him to 'a low condition, groaning under a double burthen of Sickness and Poverty, and almost quite despairing'³³, just at the time when 'hee was in some hope to have reaped the fruit of his soe long paines & charges'³⁴. As a 'sworn viewer' of the devastated City, Ogilby used his influence to obtain premises in the new Royal Exchange – 'a publiq place to put the bookes off'³⁵ – and like other mapsellers thus returned to the traditional centre of the trade; deciding, however, to live away from that vulnerable area by moving home nearer to the river!

Whatever the cause, it was unlikely that a fire could be fought successfully, particularly as a mapmaker's or seller's premises contained so much paper and other highly inflammable materials. Private fire-fighting forces provided by fire insurance companies date back to the Fire Office of 1680. In London and the more important provincial centres the companies supported their own brigades, but where there was only a small amount of business they only provided pieces of equipment or financial subsidies for municipalities and parishes. It was important for the fire insurance companies to locate their fire engines and reservoirs strategically in relation to their clients and this sometimes led to the preparation of maps specifically to facilitate fire insurance. In particular, Richard Horwood's massive survey of London, which appeared from 1792 dedicated to the Phoenix Fire Office, showed house numbers in a town for the first time, presumably so that the Phoenix could locate exactly where its clients lived. This established a long-standing tradition of mapping specifically for the needs of fire insurance companies. Otherwise, the public fire-fighting services maintained by the parishes were rarely effective. Public provision became effective only from the establishment of the first municipal fire force in Edinburgh in 1824 and the pooling of the insurance company brigades in London in 1833 to form the London Fire Engine Establishment.

Even in areas of satisfactory provision, response time to an alarm was slow because of the narrow and twisting streets and the equipment was inadequate for the scale of most fires. In the Cary fire of 1820 the 'firemen were successful in Norfolk-street in checking the progress of the flames; but in the Strand they were not equally fortunate'³⁶; at the fire at the Tower in 1841 the heat 'was so great between the Armoury and White Tower that some of the engines were burnt'³⁷; and the fire-officer's report on the Blaeu fire of 1672 noted that 'a large number of the old fire-extinguishers were soon at hand and put to work, but just as soon were frozen and useless'³⁸.

Despite the widespread destruction of mapmaking and selling premises over the centuries, lady luck sometimes intervened to save the situation or to minimise damage in potentially disastrous circumstances. In 1748, for example, a major fire in Cornhill stopped short of the main map-selling area in the Royal Exchange and in the alleys off Cornhill. Fire actually worked to the advantage of the mapmakers, for once, when the Armoury, which was the offices of the Ordnance Survey at the Tower of London, was destroyed by a fire which broke out on October 30, 1841. 'It had long been the wish of the Officers of the Survey Department to remove their headquarters to Southampton'. Despite the ferocity of the fire, the efforts of

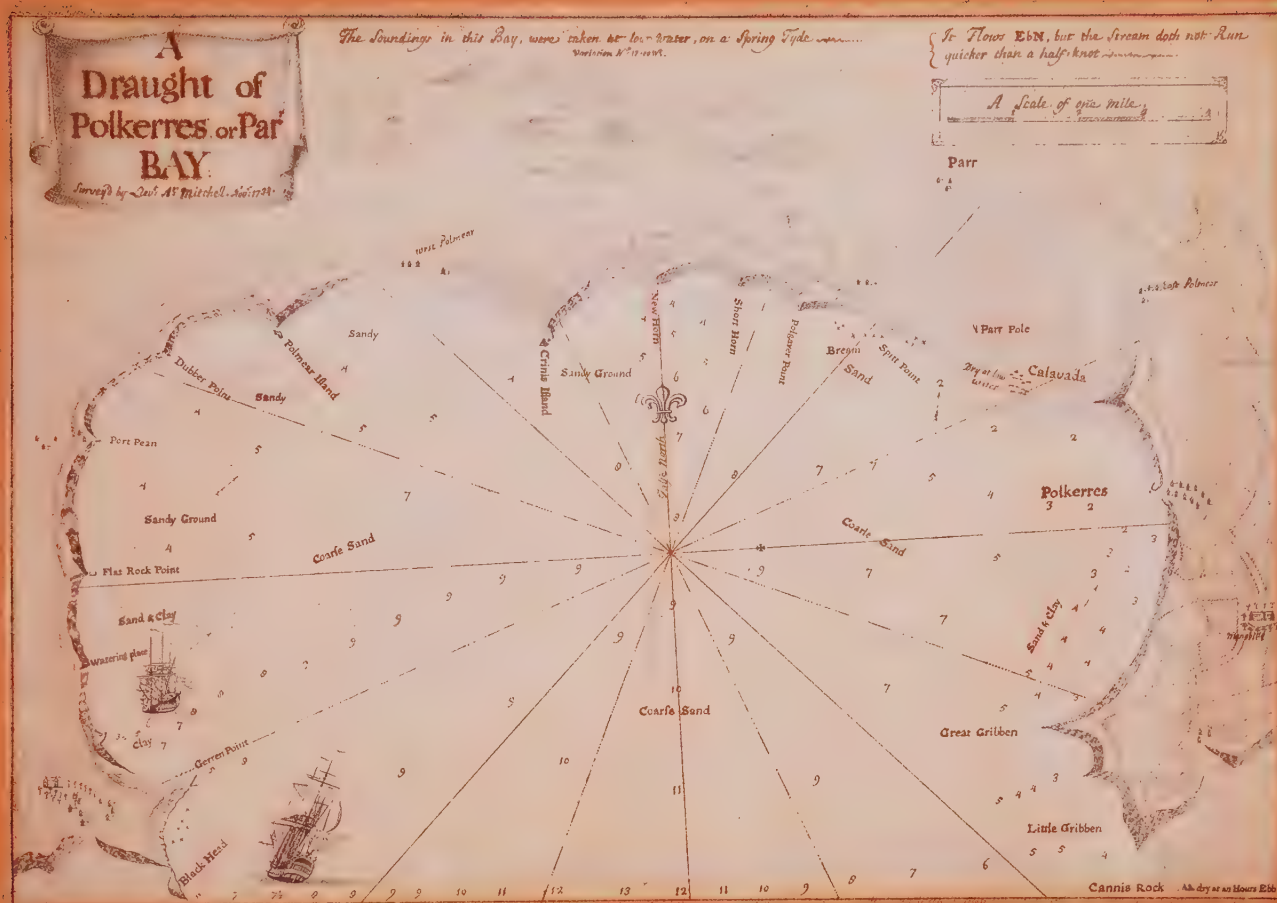
firemen and troops ensured that the 'very valuable maps, records, etc.' in the Map Office were saved as the fire was controlled and 'all the property placed in safety'. Unfortunately, 'many of the presses and fittings' were 'seriously injured by hasty removal on the night of the fire'. As a result, 'the Board of Ordnance . . . directed that suitable apartments . . . be immediately prepared for them' at Southampton; no doubt to the pleasure of the Ordnance officers.³⁹

Thus, the influence of fire on the history of maps, mapping and the map trade is more extensive than at first meets the eye. Any understanding of this colourful business requires an appreciation of both the fatal effects of fire on business survival and of the resilience and courage of many mapmakers in recovering from such scorching setbacks. 'Most horrid, malicious, bloody flame'⁴⁰ was a constant threat to mapmaker and collector alike and undoubtedly left a significant and permanent scar on British cartographic history.

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ROGER MASON



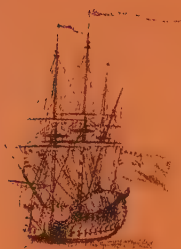
"A Draught of Polkerres, or Parr Bay: Survey'd by Lieut. A. Mitchell. Nov'r 1734." MS in brown and black inks of St Austell Bay and Par Sands in Cornwall; 19½" x 13¾"; scale bar of 1 mile = 4" (1:15,840). The compass indicates magnetic north, with the variation noted at the top. Title on a drapery cartouche; scale within ruled borders, acanthus leaves at each corner. Watermark a fleur-de-lys in a crowned shield, LVG below, cm. IV; van Gerrevink paper, similar to Heawood's number 1808, "London early C18th". No earlier chart of this bay appears to be recorded. The British Library possess an unattributed and undated copy of this chart, on the same scale but with a more utilitarian finish, a few spellings are altered and the two drawings of the ship are omitted (B.M. Add. MS 38076 A.8.); it is in a similar hand to a different chart in the same collection that has a Dupuy watermark of 1742 or later. The first printed chart in the N.M.M. catalogue is that published by Sayer & Bennett in 1779.

This chart bears the hallmarks of a fair copy in Mitchell's own hand; two houses are drawn with affectionate detail, Trenarren, near the anchorage, which may have been an "open house" for the ship's officers, and Menabilly, on the opposite point, which also might have enjoyed their society. Lt Mitchell was a volunteer on the Winchester in 1718, by 1734 he was 2nd Lt on the York, 60; he was promoted 1st Lt in November or December 1734. During this period the York was at Plymouth, anchored "At one of the Westernmost Moorings in Hamoaze" (Master's Log), some thirty miles east of Polkerris. Rather than employ a ship-of-the-line on a local survey it is likely that Mitchell took a sloop or a cutter, with one of the ship's boats for the inshore work; but it is possible that the model for ship rounding Black Head and then drawn anchored by the bows off Trenarren is the York.

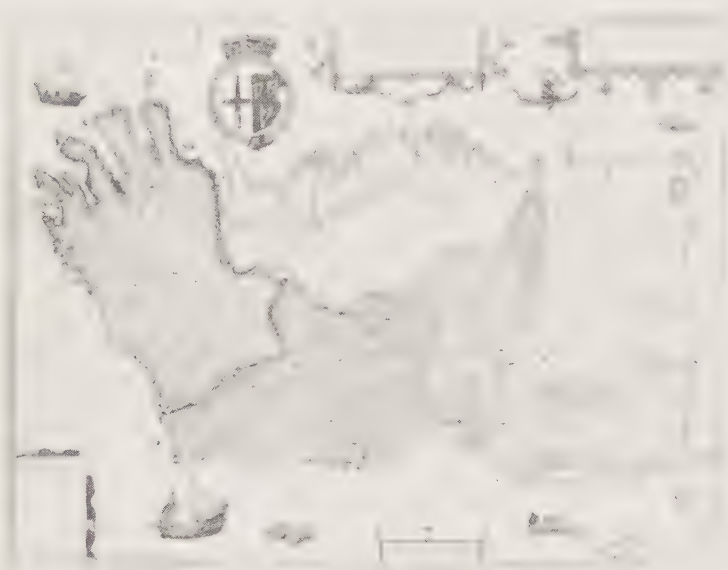
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Tithe Maps

by Geraldine Beech

This article, written by the Assistant Keeper in the Map Department of the Public Record Office, London, describes the origins of the tithe maps, which were amongst the earliest large-scale surveys of certain areas in England and Wales. Very little has been published previously on this subject although about a third of the enquiries handled by the Map Department of the PRO are in connection with tithe maps and their related documents and they have been continually consulted for nearly 150 years. Some were printed and come up for sale from time to time but it is difficult to assess how many are in private collections.

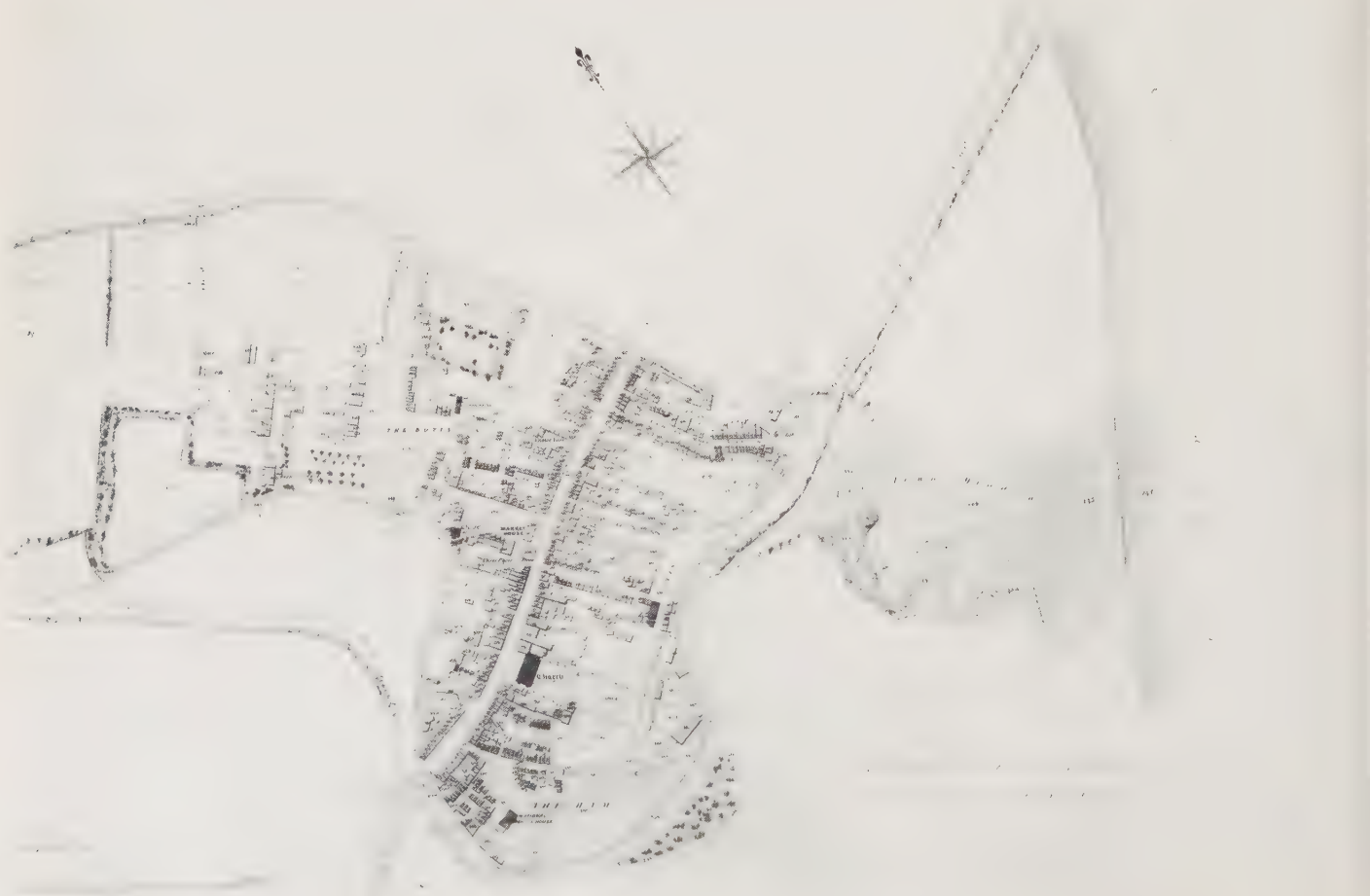
EVEN BEFORE THE first tithe map had been made, Lieutenant Robert Dawson predicted that the survey to be carried out in compliance with the Tithe Commutation Act 1836 would be useful not only for the purposes of that Act but also for determining local administrative boundaries, for property conveyancing, for rating purposes, for laying down new roads, railways and canals, and for improving agriculture, manufacturing and commerce.¹ As early as 1850 – before the tithe survey was even complete – he was able to tell the Parliamentary Committee considering the registration of deeds how amply his prophecy had been fulfilled.² Modern users include historical geographers; family and local historians; local authorities seeking confirmation of the former existence of burial grounds, roads or disused mines; solicitors (many deeds still describe the properties to which they relate by reference to plots on tithe maps); pressure groups campaigning for the maintenance of a public right of way or a piece of common land; teachers preparing for school field trips.

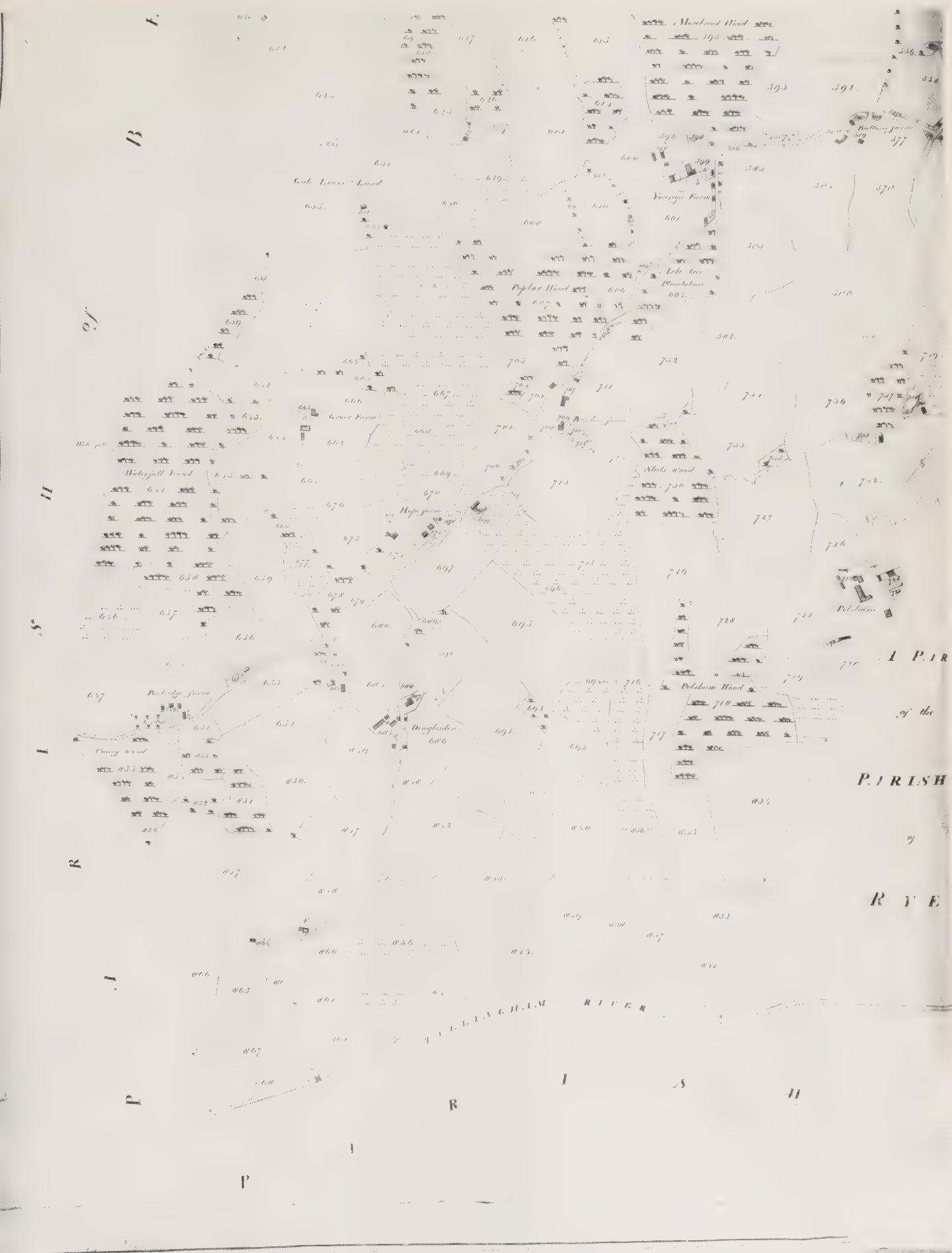
The concept of tithes dates from Old Testament times, although the custom appears not to have been peculiar to Israel.

The Law of Moses declared that 'all the tithe of the land, whether of the seed of the land or of the fruit of the land is the Lord's. . . . And all the tithe of herds and flocks, every tenth animal . . . shall be holy to the Lord'.³ No one was exempt: even the Levites, for whose maintenance the tithes were intended were required to render a tithe of the tithes they received.⁴ The last book of the Old Testament reinforced the divine requirement: 'Bring the full tithes into my storehouse, that there may be food in my house. . . .'⁵ Although tithing was not specifically commanded in the New Testament, it was not revoked as were, for instance, the dietary laws, and the practice of making financial contributions for the maintenance of the ministry and the support of the needy was widely commended.

By early medieval times the practice of tithing was established in England. According to P. W. Millard, 'It is . . . certain that [tithes] were paid in this country long before the Norman Conquest'.⁶ These early tithes were paid in kind – i.e., every tenth pound of apples, every tenth churn of milk, every tenth fleece of wool, and so forth, was due to the parish priest. By 1720, Dr. Thomas Wood, one of the best-known lawyers of his day, could define tithes as 'the tenth part of the increase yearly arising from the profits of lands, stocks upon lands, and the industry of the parishioners, payable for the maintenance of the parish priest, by everyone who has things titheable, if he cannot show a special exemption'.⁷ This meant, in theory, that tithes were payable on the actual produce of the land (corn, fruit, vegetables etc.), on things nourished by the land (the young of livestock, and animal produce such as eggs, milk, honey and wool), and on the produce of man's labour, particularly the profits from mills and fishing. Tithes were traditionally divided into 'great tithes' (normally those on corn

Many tithe maps present an accurate, detailed record of an area. This beautifully coloured map of New Brentford (now Brentford), Middlesex, was surveyed by William Warren of Isleworth in 1838 and its pattern of streets and waterways remains almost unaltered today. (IR 30/21/7).





W^h the Undersigned Tithe Commissioners for England and Wales do hereby certify the accuracy of this Map and that it is the Map or Plan referred to in the Apportionment of the Rent Charge in lieu of Tithes in the Parish of Saint Blazey, in the County of Cornwall.

In Testimony whereof we have hereunto subscribed our respective Names and caused our official Seal to be affixed this Twentieth day of June - in the year of our Lord one thousand eight hundred and forty six

Wm. Williams
R. Jones

A so-called 'first-class map' would be given the Tithe Commissioners' seal and certificate. The map of St. Blazey, Cornwall, was considered accurate enough to bear the marks of official approval. (IR 30/6/9)

grain, hay and wood which could be stored in bulk without perishing within a short period) and 'small tithes' (all the others).

Payment was usually organised on a parochial basis. Tithes were payable to the rector, the priest who had spiritual charge of the parish. As time went by, many rectories became annexed to or amalgamated with bishoprics, priories, monasteries, schools, colleges and other institutions, which continued to receive the tithes belonging to the rectory. Such bodies would frequently appoint a priest to act in lieu of the rector in having direct spiritual oversight of the parish; such a priest was known as the vicar. In such cases it was common, but by no means universal, for the small tithes to be allotted to the vicar, the rectory retaining the more valuable great tithes for itself.

The situation was further complicated by the dissolution of the monasteries under Henry VIII and the subsequent transfer of much church property to lay ownership. When such property took the form of income from rectorial tithes, the new lay owner continued to receive that income. Such tithes could be bought and sold like any other property, with the result that farmers and landowners frequently found themselves making a considerable contribution to the income of people who had no interest, spiritual or otherwise, in their welfare. Not surprisingly, there were widespread objections to the payment of what came increasingly to be regarded as a burdensome tax on agriculture.

From early times, the payment of tithes in kind was found to be cumbersome and inconvenient to administer and almost impossible to control. It must have been difficult to be sure that a recalcitrant farmer had not secreted an undeclared barrel of fruit in a hay-loft. There were numerous disputes, often leading to litigation between tithe owners and tithe payers; vicars and rectors even took one another to court. Eric J. Evans has aptly dubbed the impost 'the contentious tithe'.⁸ In many parishes the custom evolved of substituting monetary payments for payments in kind. This process was called *commutation*. A succession of Acts of Parliament made provision for dealing with tithes in the City of London, for example. Elsewhere agreement might be reached between the rector, the patron of the benefice and the landowners to substitute a sum of money for payments in kind. In many parishes only some of the tithes were dealt with in such a way, the remainder continuing to be paid in kind as before.

The Reverend Patrick Brontë, father of Charlotte, Emily and Anne Brontë, is listed as the occupier of the parsonage at Haworth, Yorkshire West Riding, on this page from the tithe apportionment for the township of Haworth. (IR 29/43/200)

Haworth, Yorkshire

Reverend Patrick Brontë | *Tithe Apportionment* | *Haworth, Yorkshire*

A later impetus to tithe commutation was the enclosure movement of the eighteenth century. The principal object of enclosure was the improvement of the land and a consequent increase in agricultural produce. When this was achieved, the recipients of tithes would receive a greatly improved income without making any contribution. In order to forestall such a situation, most enclosure awards included arrangements for extinguishing the tithes. This might be done either by allotting land in lieu of tithes, which could be done quite simply in the context of the general redistribution of land then taking place, or by substituting monetary payments which might be fixed in perpetuity or vary according to the prevailing price of some commodity, usually corn (as a result of which they came to be called corn rents).

In spite of these various attempts, all on a local basis, to abolish tithes in kind, by 1836 such tithes were still payable in about two thirds of the parishes of England and Wales. Since the mid-eighteenth century there had been increasing pressure by farmers, clergymen and radicals for reform of the system. After a succession of defeated Bills, Parliament passed the Tithe Commutation Act in 1836.⁹ This provided for the final abolition of tithes in kind throughout England and Wales and substituted for them monetary payments to be called *tithe rentcharges*.

A Tithe Commission was set up to administer the Act. Its first task was to identify those parishes in which any tithes were still payable in kind. A questionnaire was sent to every place listed in the census returns. When local agreement or enclosure had resulted in the extinction of all the tithes, no further action was taken. Often there were complications. At Winchester, for example, the limits of the parish of St. Clement and St. Thomas were 'known but not marked by any boundary capable of being described'.¹⁰ Elsewhere, as in Middlezoy (Somerset) and Mackworth (Derbyshire), only part of the parish had been affected by enclosure.¹¹ At Mackworth, no copy of an enclosure map could be found; the tithe award was drawn up on the basis of the evidence available and framed (it was hoped) in such a way as to 'prevent any question arising hereafter as to uncommuted tithes in this parish'.¹²

Once the work of identification was done, assistant tithe commissioners travelled to all parts of the country where uncommuted tithes remained. The Act provided for two kinds of commutation: mutual agreement between the interested parties or, in the absence of such agreement, compulsory commutation on terms laid down by the Commission and framed in a tithe award. The assistant commissioners chaired public meetings and drew up draft agreements and awards which would subsequently be confirmed by the Commission in London. It can have been no sinecure. Many remote rural hamlets could be reached only after onerous journeys. One can almost feel the exasperation of the assistant commissioner who complained that the access to Chickney was 'half a century behind the county of Essex in general'.¹³ In cases of disagreement between the parties, it was the assistant commissioner who heard the often heated complaints from all sides and tried to 'sort the wheat from the chaff'. At Cheddleton (Staffordshire), the assistant commissioner drew up a number of draft awards between 1844 and 1852. Uncertainty about the precise wording of enclosure acts, a grant made in the second year of Elizabeth I, and the division of tithes among the curate, the lay rector, the Overseers of the Poor and others combined to create a situation in which it was impossible to reach agreement. Eventually all the tithes were dealt with by



Robert Kearsley Dawson was appointed by the Government to superintend the preparation of Tithe maps and this was the table of conventional signs which he proposed for surveyors. However, in practice, these precise guidelines were not often followed. (MAF 48/539)

redemption or merger, and no apportionment or map was made.¹⁴

The country was divided into tithe districts which were usually coterminous with ecclesiastical parishes, although a tithe district might also correspond to a township or other convenient unit. The new monetary payments were to be divided among the local landowners in proportion to the extent of their holdings within the tithe district, and they were calculated on the basis of the prices of wheat, barley and oats during the seven years preceding 1835. Account was also taken of the market value of the potential yield of each plot of land: hop fields and market gardens, for example, were assessed at a higher rate than pasture or arable land. The terms of the commutation were embodied in a formal document called a tithe apportionment. This was begun by reciting the text of the tithe agreement or award, and then set out, in respect of each parcel of land, the names of the landowner and occupier; the type of cultivation (arable, pasture, orchard etc.) or building (cottage, mill, church etc.) or lack of cultivation (waste, for example, or land destroyed by mining); often the names of individual fields; and always the area of each plot and the amount of rentcharge payable on it. Sometimes the rentcharge was to be divided among a number of parties – perhaps a lay landowner, an Oxford college and the vicar of the parish had each been entitled to receive some of the tithes. In such cases, the amount of rentcharge to be paid to each party is set out in several columns. In order for all these amounts to be assessed in due proportion, it was necessary for the surveyors in each parish to be surveyed and their relative extent to be computed.

In 1836, there were very few maps at a sufficiently large scale to serve the Tithe Commission's purpose. The Ordnance Survey had only published one-inch sheets for about 60% of the

country and had issued no larger scale maps. A few parishes possessed maps which had recently been made for Poor Law purposes, some landowners had commissioned surveys of their estates, but in most cases a wholly new map had to be drawn. The actual surveying and mapmaking were usually entrusted to local men. These included surveyors, estate agents and valuers, and their cartographic competence varied considerably. To superintend the provision of maps for the purpose, the Government appointed Robert Kearsley Dawson, a Royal Engineer who had had experience on the Scotch and Irish Surveys, had worked on the Ordnance Survey under Thomas Colby, and had given instruction in topographical drawing to cadets of the Royal Engineers and the East India Company. To Dawson's mind, the requirements of the Act provided a golden opportunity for making a general large-scale survey of England and Wales which would invite comparison with the Irish Survey and with the cadastral surveys of France, Bavaria, Austria, the Savoy and Sweden. As a valuation record it would stand alongside the Domesday Book, the *Valor Ecclesiasticus* and the *Liber Regis*.¹⁵

Dawson considered that the maps should 'represent accurately, and in their true relative positions, the several objects which now occupy the surface of the ground; such as Roads, Rivers, Lakes, Ponds, Canals, Streams, Drains, Parks, Woods, Fences, Houses and other Buildings, Bridges, &c.; also the Boundaries of Counties and their various sub-divisions; . . . These may all be represented according to a Table of Conventional Signs, prepared for the purpose. . . .'¹⁶ He recommended that they be drawn at a uniform scale of three chains to an inch (1:2,376). The chain, 66 feet, was the unit of measurement traditionally employed by English surveyors. Three chains to an inch was the scale most frequently used for

the maps accompanying enclosure awards. Dawson saw the necessity for a survey which would 'to the fullest practicable extent . . . form a record sufficient to prevent the confusion and litigation which, without such a record, must result. . . .'¹⁷ Subsequent events have amply justified his forebodings. However, while he was anxious to secure 'rigid accuracy of compilation and representation'¹⁸, he was equally concerned that existing surveys should be used as far as possible when these proved to be suitable for the purposes of the Act. Such earlier surveys were to be used in the interests of speed and economy, as long as precision and detail were not sacrificed.

Dawson's exhortations went unheeded. Section 35 of the Act gave the landowners the right to use any map with which they themselves were satisfied, but section 63 provided that the Tithe Commissioners were to confirm the instrument of apportionment under their hand and seal if they approved it. Since the maps were intended to serve as means of reference to the apportionments, the map and the apportionment in each case technically constituting a single document, the Commissioners availed themselves of this provision to reject many defective maps which landowners had accepted. People knew the bounds of their own fields, and were not concerned if a map showed two ditches at right angles instead of at 85° – even if they detected the discrepancy in the first place. The Act laid down that the cost of any new survey was to be borne by landowners, and they, not unnaturally, were reluctant to pay for a survey which would facilitate a more accurate assessment of further calls on their pockets. In particular, they objected to paying the cost of surveying the large areas of tithe-free land which existed in some parishes, and they were unwilling to accept that existing parochial and estate maps would not serve the Tithe Commissioners' purposes quite adequately.

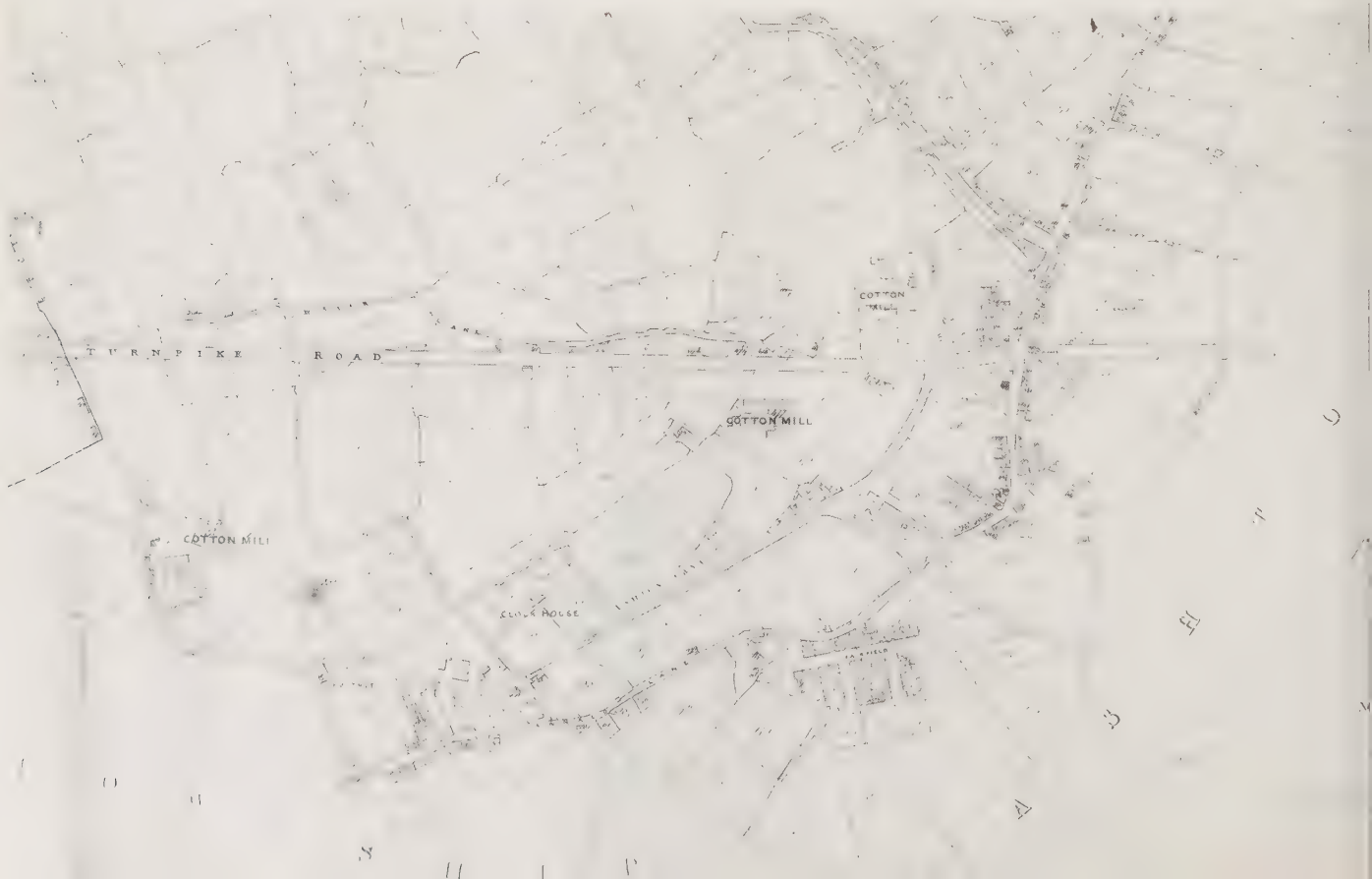
By early 1837, the conflict between the Commissioners and the landowners had reached such a pitch that the Commissioners wrote to the Chancellor of the Exchequer setting out the case for their insistence on maps of indisputable accuracy and at a uniform scale. To support their argument, they cited not only their own requirements but those of the new Poor Rate Act and of a Bill then before Parliament to remodel the system of levying county rates, both of which would require 'the aid of efficient maps'.¹⁹ In typically British fashion, a

compromise was reached whereby the Commissioners were empowered to seal only those maps which they deemed to be of an acceptable standard. The amending Tithe Act of 1837²⁰ provided that no map attached to an apportionment should be regarded as evidence of the quantity of land or treated as accurate unless it was sealed as well as signed by the Commissioners. As an added inducement to landowners to commission accurate surveys, the Tithe Act of 1842²¹ empowered the Poor Law Commissioners to pay any proportion they saw fit of the cost of making or providing a map for tithe commutation proceedings, provided that the map received the Commissioners' seal. When this was done, the Guardians of the Poor had the right to examine and to make copies or extracts of the map free of charge.

In spite of all these efforts, about one sixth only of all the tithe maps were sealed by the Commissioners. These were the so-called 'first class maps', the remainder being designated 'second class maps'. Examination of many tithe maps in the Public Record Office has led to the conclusion that there is no common factor (apart from the seal) by which a first class map might be recognised. Most, but not all, are at the recommended scale of three chains to an inch. Some bear evidence of triangulation, but not all triangulated maps are sealed. The symbols are seldom those recommended by Dawson. An individual cartographer may have made both sealed and unsealed maps. Of the unsealed maps, some show evidence of careful surveying, while others are little more than rough sketches. A Tithe Redemption Office minute of 1974 (a copy of which is in the Map Department at the Public Record Office) says, 'Some Welsh Tithe Maps, particularly those from districts in mountainous areas, were drawn by surveyors who stood on the highest points and then, literally, simply drew what they saw'. As a result, such tithe maps are no more than rough and often foreshortened representations of the lands they were mapping.²²

It has generally been accepted that no reliance should be placed on the accuracy of an unsealed map but that the presence of the Commissioners' seal, witnessing as it does to the statement that 'We, the undersigned Tithe Commissioners, . . . certify the accuracy of this map . . .', allows the user to place full confidence in the measurements and acreages shown.

Although the tithe map of Droylsden (now Greater Manchester) shows a mainly rural aspect in 1847, the cotton mills already predominate. The Moravian settlement of Fairfield's can also be seen. (IR 30/18/106)



However, as early as 1840 the Commissioners pointed out that they had no infallible means of detecting wilful and fraudulent errors made by surveyors or cartographers.²³ Dawson had devised a system for identifying discrepancies between the surveyors' field books, the maps and the apportionments, and the Commissioners considered that by this means they should be able to detect all cases of human error. In addition, some mistakes had been notified by landowners and others as a result of the maps being deposited in the parishes for twenty-one days prior to confirmation by the Commissioners, at the end of which period an assistant commissioner attended in the parish to hear objections and record amendments. But the Commissioners did not check the maps on the ground or make spot surveys themselves, and one is left to infer that even the first class maps may not in all cases be as reliable as has always been supposed.

The Commissioners were concerned not only with the accuracy but also with the format of the maps. They accepted Dawson's recommended scale and his proposals about surveying methods and the symbols and lettering to be used. It needs only cursory examination of a few tithe maps to see how widely these recommendations were ignored. The scales range between one chain and twelve chains to an inch. A few maps are as small as 16 × 12 ins; some unroll to 24 feet or more in length. Some, like those of Ashford (Middlesex)²⁴ and Laxton (Nottinghamshire)²⁵ are uncoloured and in places so faded as to be barely legible. A map like that of Peasmarch (Sussex)²⁶, which faithfully adheres to Dawson's symbols and colouring, demonstrates the attractiveness of the maps he hoped would be drawn. It is noteworthy, however, that the Peasmarch map did not qualify for the Commissioners' seal.

From the outset, Dawson envisaged that the maps should be engraved and published. Such a measure would 'render the plans permanently useful to the country', would save the cost of making copies by hand as and when necessary, and would make the results of the survey widely available.²⁷ Moreover, Dawson anticipated that the knowledge that their work would be subject to public scrutiny would 'induce the Surveyors to perform their work with fidelity'. Not least, the income from the sale of impressions could be used for public benefit. In the event, the decision to print the maps appears to have been taken in order to lessen the labour required to produce the statutorily deposited copies. A contract for the printing was awarded to Standidge & Co., a London firm of lithographers who printed many maps for Government departments, but about which little seems to be known.²⁸ The printed maps were sold to the public for 5 shillings each. A number of these maps are in the Public Record Office, either filed with the original manuscript maps or among the records of other departments.

A complete set of the 11,820 manuscript tithe maps is in the Public Record Office at Kew.²⁹ The 1836 Act required that copies should be deposited with the registrar of the diocese and with the incumbent and church-wardens of the parish. The diocesan copies are now usually in the appropriate local authority record office, as are many of those of the parish copies which have survived. It is the fact that the tithe maps are the earliest large-scale survey of many places that gives them particular significance, although it is important to remember that only about two thirds of England and Wales were mapped for the Commissioners and that Scotland and Ireland lay outside the remit of the English Tithe Acts. The continuing relevance of these maps vindicates Dawson's citation of a parody of Archimedes: 'Give me but a Map to point to, and I will give rest and quiet to "all that inherit" this our portion of the earth's surface.'³⁰

Access to the Public Record Office

Inland Revenue documents described in this article are held and may be seen only at the Public Record Office, Ruskin Avenue, Kew, Richmond, Surrey, TW9 4DU.

Hours: Monday-Friday 9.30am–5pm. No documents may be ordered after 3.30pm. Normally closed for stocktaking during the first two full weeks in October.



Not all tithe maps are in manuscript alone. The lithographers, Standidge & Co., were given the contract to print maps in order to lessen the labour of producing copies for official records. The map of Coopen Bewley, Co. Durham, was lithographed in 1838. The local waterways are clearly shown, including an alteration in the course of the brook. (IR 30/11/67)

References

- 1 Dawson's report to the Tithe Commissioners, Sept 8, 1836, printed in *Papers relative to the Survey of Lands (Tithe Act)*: House of Commons Sessional Papers (hereafter HC) 1837 (103) XLI 383, p. 7.
- 2 HC 1850 (1261) XXXII I, p. 532.
- 3 Leviticus 27: 30-32.
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- 6 P. W. Millard, *The Law relating to Tithes* 3rd edition (London, 1938), p. 1. See also J. A. Venn, *Foundations of Agricultural Economics* (Cambridge, 1927), p. 97.
- 7 *Institute of the Laws of England*.
- 8 Eric J. Evans, *The Contentious Tithe* (London, 1976).
- 9 6 & 7 Will. IV c. 71.
- 10 IR 18/9209.
- 11 IR 18/8671 and IR 18/979.
- 12 IR 18/979.
- 13 IR 18/2265.
- 14 IR 18/9251, IR 18/9312 and IR 18/9331.
- 15 Dawson to the Tithe Commissioners, Sept 8, 1836: *Papers relative to the Survey of Lands* . . . pp. 8-9.
- 16 Dawson to the Tithe Commissioners, Nov. 29, 1836: *ibid.*, p. 12.
- 17 *Ibid.*, p. 11.
- 18 *Ibid.*, pp. 11-12.
- 19 Tithe Commissioners to T. Spring Rice, Feb. 18, 1837: *ibid.*, p. 3.
- 20 7 Will. IV & 1 Vic. c. 69.
- 21 5 & 6 Vic. c. 54.
- 22 Tithe Memorandum 18 in the Map Department, PRO.
- 23 Report of the Tithe Commissioners for 1840: HC 1841 (295) XXII 141, pp. 3-4.
- 24 IR 30/21/3.
- 25 IR 30/26/74.
- 26 IR 30/35/203.
- 27 Dawson to the Tithe Commissioners, Sept. 8, 1836: *Papers relative to the Survey of Lands* . . . pp. 6-7.
- 28 The author would be glad to be informed of the whereabouts of any surviving archives.
- 29 In IR 30. The maps are at present being microfilmed as a conservation measure. As the maps for each county are filmed in their entirety they are being made available on film only and the originals will not be produced to readers.
- 30 Dawson to the Tithe Commissioners, Sept. 8, 1836: *Papers relative to the Survey of Lands* . . . p. 8.

Admission: By Reader's Ticket, obtainable on production of positive proof of identity.

Finding aids: Topographically arranged lists of all classes of tithe records. A PRO leaflet, *Tithe Records in the Public Record Office*, is available on request.

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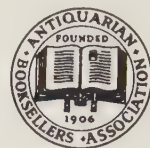
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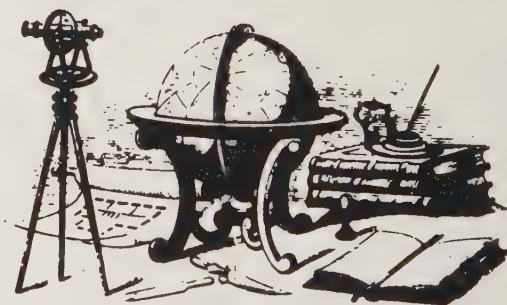
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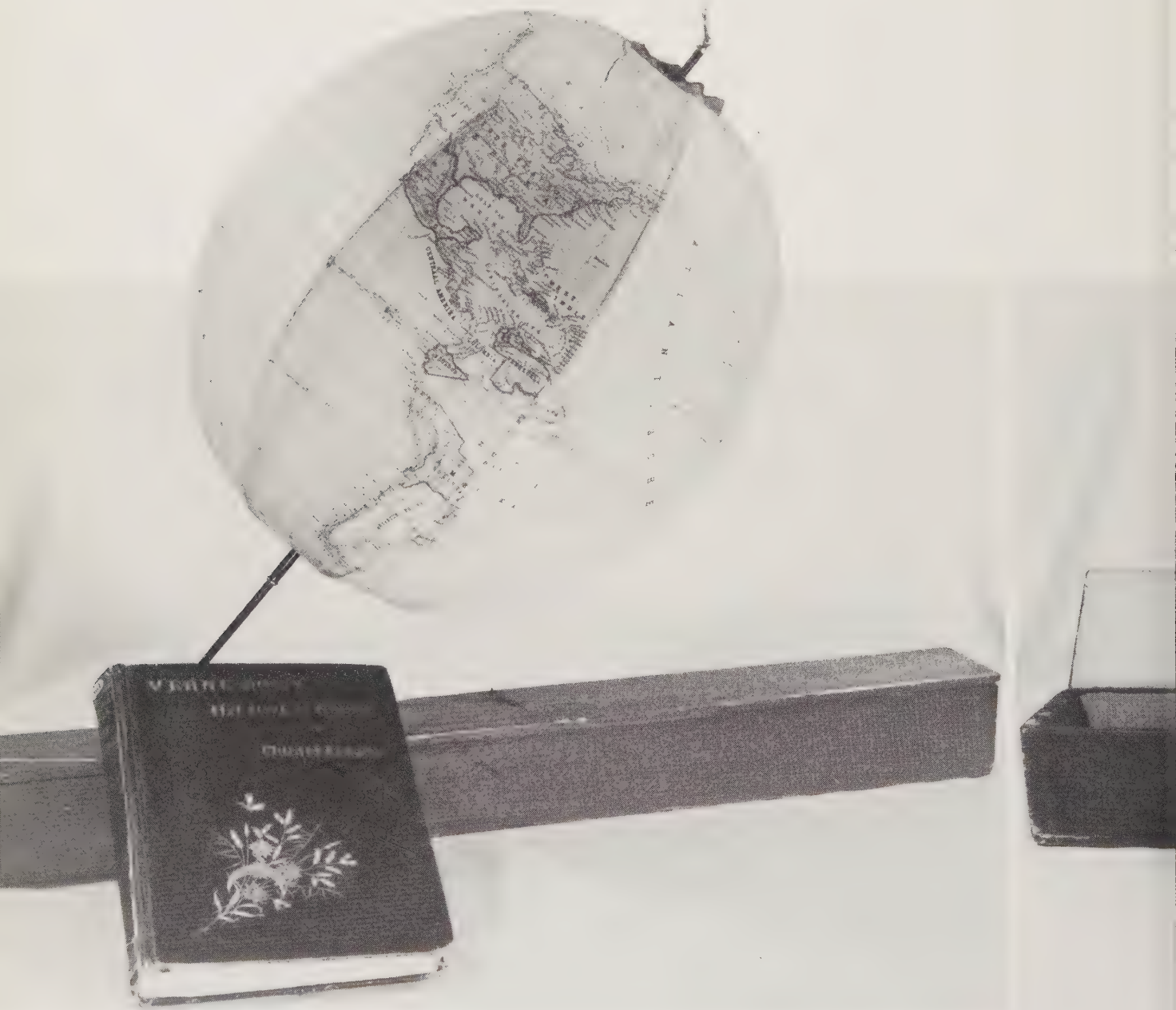
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Two Peculiar 19th Century Globes

by Peter van der Krogt



Above:

The Elsevier globe with its case. It was given away as a gift to people who bought the book (a copy of which can be seen in the picture) entitled *Het Boek der Reizen en Ontdekkingen* by Jules Verne, adapted for Dutch readers by Dr. G. J. Dozy. (Globe by courtesy of a private collector, book by courtesy of the Universiteitsbibliotheek, Amsterdam)

Right:

The Elsevier globe folded ready to be put away in its case. (By courtesy of a private collector)

During research for his book *Old Globes in the Netherlands*, Peter van der Krogt came across several globes which did not fit into a general history of the subject. In this article he discusses two strange terrestrial globes of the late nineteenth century. One is an umbrella globe which was given as a gift with a book about discoveries in the 1880s and the other is a pocket globe made by a Spanish sailor who was a little short on geographical knowledge!

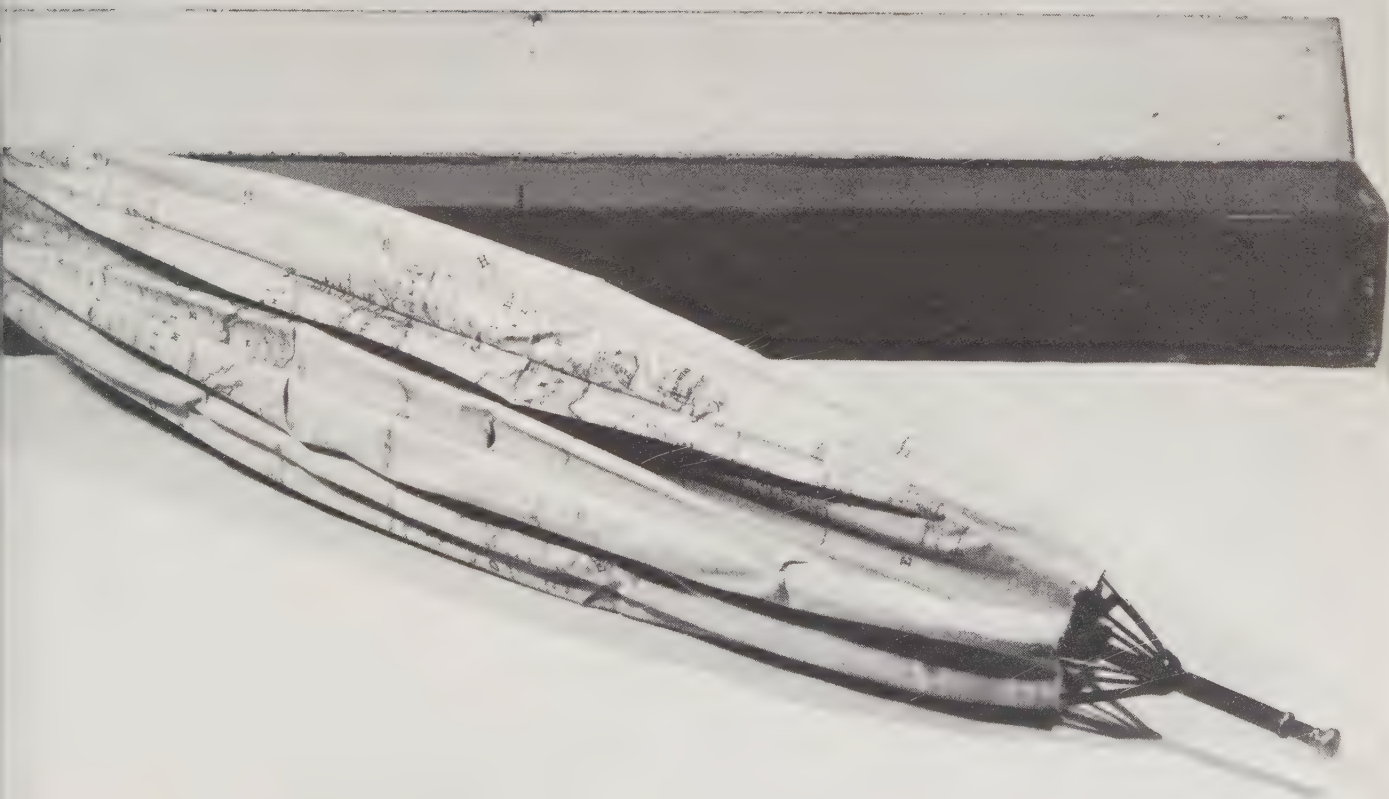
COLLAPSIBLE GLOBES, consisting of cardboard gores joined together by strings, and inflatable globes, are quite common and a number were produced in the nineteenth and early twentieth centuries. An interesting new twist was given to this when the London publisher John Betts produced an umbrella globe about 1860. These went on being reissued into the twentieth century and it was presumably an example of Betts' New Portable Globe' which inspired the Rotterdam publishing company Elsevier to follow suit in 1881.¹

I know of two examples of Elsevier globes around today (and would be interested if readers know of any others). One is part of a private collection in Vlaardingen (the Netherlands) and the other in the library of the Topografische Dienst [Topographical Survey] in Emmen. The map is printed on linen which is fastened to eight ribs mounted on a metal bar. The lower fastening can be pushed up along the bar, stretching the linen as with an umbrella giving a diameter of 33 × 40 cm (approx. 13 × 16 in.). In this way an egg-shaped globe is formed. A brass eye at the top of the bar makes it possible to hang up the globe which can be stored in a wooden box, size 76.5 × 8 × 8 cm (approx 30

× 3 × 3 in.). The box belonging to the copy at the Topografische Dienst has the name 'De Elsevier Globe' on three of its long sides. The map is printed in colour; the oceans and seas are blue, the continents are coloured politically. The names are all in Dutch and the title appears in the northern Pacific 'De Elsevier-Globe naar de nieuwste bronnen bewerkt onder toezicht van Dr. G. J. Dozy, *Gratis-Premie op Het Boek der Reizen en Ontdekkingen*. Rotterdam. Uitgevers-Maatschappij Elsevier'. (The Elsevier Globe, adapted from the latest sources under supervision of Dr. G. J. Dozy. Presented free with the Book of Expeditions and Discoveries. Rotterdam. Elsevier Publishing-Company).

The book mentioned is *Het Boek der Reizen en Ontdekkingen*, a free adaptation by Dr. G. J. Dozy of Jules Verne's *Histoire des grands Voyages et des grands Voyageurs*. The Dutch version was published by Elsevier in Rotterdam in thirty parts comprising four volumes, during 1881-1882. The price of the whole work was 15 guilders, or 17 guilders for a bound copy. Dr. Gualtherus Jacob Dozy was not just a cartographer. In the last quarter of the nineteenth century he wrote a number of popular books and school books on history and geography, including atlases². It was probably his idea to present a free globe with this history of discoveries.

Another person who felt the need for a good image of the world was the Spanish seaman Alvaro Juan from Almeria, a port on the Mediterranean. He was probably not able to buy a globe, so he provided himself with one by making a small ball, diameter 5 cm (or 2 in.) on which he pasted paper strips. He



drew coastlines and names on the globular surface but his image of the world is very unusual. His pocket globe is now in a private collection in Belgium.

Examining the globe I thought at first that it would date from the sixteenth century. North America and Asia are connected by a wide landmass and South America and the Southern Continent are only divided by an enlarged Strait of Magellan: two concepts never seen after the early seventeenth century. Instead of Australia a strange *Terra Australis* is drawn, in a form which does not appear on any other map or chart; also the whole cartography of the East-Indies and the Far East looks very unfamiliar. I began to doubt whether this pocket globe was drawn in the sixteenth century and the solution to the problem lay in two place names – Monrovia on the coast of Guinea, and Columbia in South America.

Monrovia, now the capital of Liberia, was founded in 1822 by freed American slaves who were allowed to settle in this colony thanks to the efforts of several American philanthropic societies. The city was named after James Monroe, the sixth president of the United States (1817-1825), who was in charge at that time³. The presence of Monrovia meant the globe had to be post 1822. The state of Greater Columbia was officially constituted in 1819, after it gained independence from Spain. It consisted of the former vice-royalty of New Granada with adjacent territories, and was split up in 1830 into Venezuela,

Ecuador and New Granada. The latter was renamed Colombia in 1863⁴. Because of the existence of a state Colombia in the period 1819-1830 the *terminus post quem* of 1822 holds. However, the whole globe testifies to the minimal geographical knowledge of the maker, and there is no reason to suppose that his information would have been up to date. In the few years of its existence the name Greater Colombia would not have become generally accepted, as is proved by the return of the former name New Granada. For this reason the globe was probably made after 1863 or even later as it must have taken some time before the name Columbia was generally known.

Alvaro Juan must have sailed the Southern Atlantic Ocean for this is the only region which is laid down correctly on his globe. The only three cities mentioned appear on these coasts: Monrovia, Lagos and Santos. He drew a few huts in Africa and two Inca temples in Southern America (the name *Incas* he put in Brazil!). In the Western Mediterranean, Spain and Italy can be recognized, and not only because of their names *Hispania* and *Italia*. The rest of the world shows only a vague resemblance to the real situation (India, Malaysia, Cuba, Mexico) or is pure fantasy (the Far East, *Terra Australis*, the Southern Continent). As a co-ordinate system Juan drew four chequered circles: the Equator, the parallels of about fifty degrees latitude, a prime meridian through the Atlantic Ocean and its counterpart through the Pacific Ocean. He signed his work in a simple

The strange pocket globe and its opened case, all made by Alvaro Juan from Almeria in the nineteenth century. (By courtesy of a private collector)





Above:
The closed case of Alvaro Juan's pocket globe which looks rather like a tropical fruit! (By courtesy of a private collector)

cartouche in the Southern Atlantic Ocean. The text, which was only readable on photographic enlargement, stated: '*Alvaro Juan D'Almeria. Navigatore Hispai*'; the last word is an abbreviation for Hispani.

The globe is kept in an egg-shaped case made of a brownish material and is in two halves. Inside one half Juan drew a compass rose and three sailing vessels with a network of lines reminiscent of the rhumb on old charts. Its whole appearance gives the impression that the globe maker had once seen a real pocket globe and had constructed his own with this example in mind. The map should be regarded as a 'mental' map of the world showing the geographical knowledge of a Spanish seaman in those days.

Below:
A detail of the Juan globe to show the Americas. Columbia is marked in the centre and the word 'Incas' in Brazil. Altogether a very primitive map for its time. (By courtesy of a private collector)



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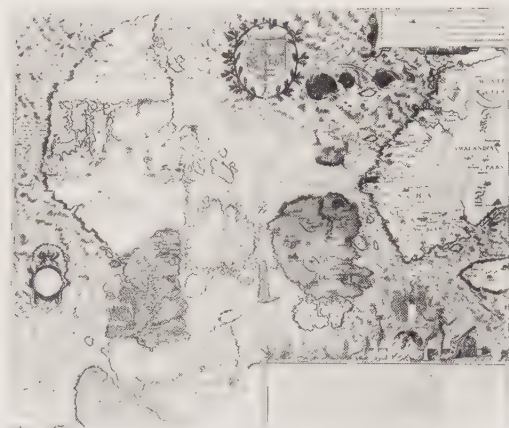
- 1 'Betts' New Portable Globe'. One in the National Maritime Museum, Greenwich, and three examples in the British Library c.1860, c.1890 and c.1910.
- 2 C. Koeman, *Atlantes Neerlandici*, (Amsterdam: Theatrum Orbis Terrarum) and Vol. VI, pp. 152-155 (Alphen aan den Rijn: Canaletto, 1985). Vol. II, p. 101 and Vol. III, p. 185.
- 3 J. J. Elgi, *Nomina Geographica. Sprach- und Sacherklärung von 42000 geographischen Namen aller Erdräume*. (Leipzig: Friedrich Brandstetter, 1893) pp. 538 and 617.
- 4 The State Man's Year Book 1979/80, edited by John Paxton. (London, 1979) pp. 787 and 1380.
- 5 The State Man's Year Book 1979/80, p. 350.

Acknowledgements

I would like to thank the two private collectors who allowed me to examine their globes and the Foundation for Historical Research, subsidised by the Netherlands Organisation for the Advancement of Pure Research, who supported my research. Also my brother René van der Krogt for taking the photographs.

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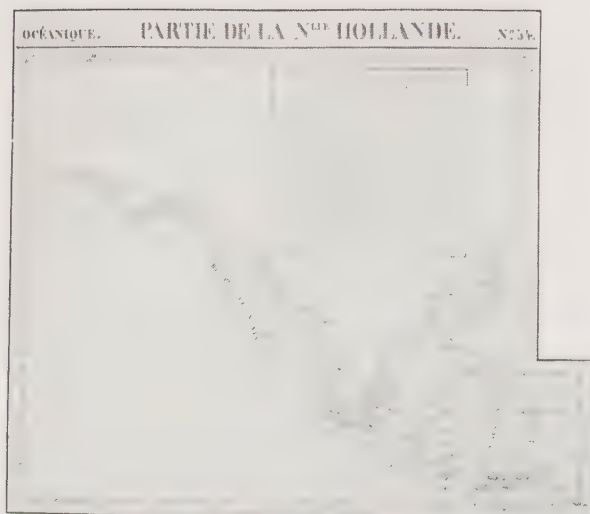


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Manuscript Map Acquired

by David Buisseret of the Newberry Library

THE NEWBERRY LIBRARY in Chicago has recently acquired a manuscript map of the island of Santo Domingo (now the Dominican Republic and Haiti), which seems to be of some interest. There is an excellent run of manuscript maps of the island in the *Département des Cartes et Plans* of the Bibliothèque nationale in Paris, and using this source it is possible to date our map quite accurately.

Until Frézier's map of 1721 (BN.Ge.C.9233), the outline of the island was shown as it appears on the photograph; the east coast points almost vertically north-south, the two western peninsulas are very truncated, and the whole map has a rather 'stubby' look instead of the relatively sleek outline which Santo Domingo really has. Our map, then, probably dates from before 1721, and Frézier's major correction. Another conspicuous feature, better seen in colour, is the dotted line running diagonally across the middle of the island, from north-east to south-west. This line, dividing the 'espagnols' from the 'françois', only appears on maps drawn after 1713; before that time there was a very distinctive conventionalized 'square' pattern.

The map, then, was probably drawn between 1713 and 1721, and this is confirmed to some degree by the evidence of the place-names. Port-au-Prince had not yet emerged, though it soon would; on the other hand, the pirate stronghold of Tortuga had been flourishing for some decades, and so is well and carefully drawn. On the south coast, the

long-established city of Santo Domingo ('St Domingue') is carefully inserted just to the west of the Ozama river, and on the north coast 'Puerto Platt' marks, with an anchor, the well-known site of Puerto Plata.

The attempt to show the islands' internal topography is not very convincing, and argues towards an early stage in European acquaintance with these features. In particular, a prominent (but non-existent) range of mountains is shown in the south-east of the island, while the great central inland range is very summarily indicated. In general, the map is of great interest as being a very early delineation of what would in the ensuing decades become France's foremost sugar colony in the Caribbean, and a source of immense wealth to the 'mother-country'.

The map is also of particular interest to the collections of the Newberry Library, because it ties in very neatly with the early eighteenth century manuscript atlas of French possessions known as the *Cartes Marines*. This atlas, which contains about 110 maps, covers the whole world, including of course the French West Indies, with maps drawn between about 1710 and 1725. Curiously, though, Santo Domingo is missing from this atlas, a defect which the recent acquisition most happily corrects. The map was bought with income from the Arthur Holzheimer map fund.



The manuscript map of Santo Domingo. (Photograph by F. Peter Weil)

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287. Brittany, Henry Hondius, Amsterdam, (1633). 15" x 20". Map in outline color. Physical features, cartouche, coat of arms and sailing ships fully and attractively colored. French text on back. Separation at bottom of center fold with a 3/8" tear coming off it about 1-1/2" inside bottom border. See illustration. \$60

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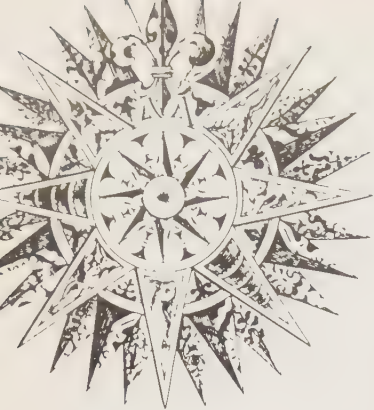
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On the first map in a 'valuable and rare' work being offered for sale by Bernard Quaritch, rare book dealers in London, Australia appears so-called for the first time.¹ Anthony Payne of Quaritch has researched this map and the work in which it appears and has put the story together for readers of 'The Map Collector.'

ADAM JOHANN VON KRUSENSTERN, one of the most distinguished officers in the early nineteenth century Russian navy, was born in Estonia in 1770 and, at the age of fifteen, joined the Naval cadet college at Kronstadt. He saw action for the first time in 1788 when war broke out with Sweden. During the French Revolutionary Wars, 1793-99, he was seconded, as one of the twelve most promising officers, to the British Royal Navy to gain firsthand experience in one of the leading navies of the day. During this time he sailed in American, Indian and Chinese waters and was struck especially by the considerable commercial and other benefits enjoyed by Britain in Eastern seas and the possibilities of creating a Russian presence in the region.

On his return to Russia Krusenstern further developed his ideas on establishing direct maritime links between Russia and the East via Cape Horn, a route which he considered easier and quicker than the overland alternatives. Initially his plans fell on deaf ears, but eventually he was appointed commander of an exploratory voyage not only to demonstrate the feasibility of his proposals but also to establish diplomatic relations with Japan and to undertake further exploration in the North Pacific. His two ships, the *Nadezhda* and *Neva*, were purchased in England, together with many of the requisite scientific instruments, and set sail in June 1803 on what was to become the first Russian circumnavigation of the world and their most extensive penetration of the Pacific to that date.

Although the Russians were unsuccessful in their Japanese diplomatic overtures the expedition brought back a wealth of diverse scientific information and, perhaps as important, considerable practical knowledge of the problems of navigating Pacific waters. Krusenstern presented these findings in his detailed narrative of the voyage, first published in 1809-1813 and accompanied by a magnificent atlas of charts, views and illustrations of the flora and fauna of the regions visited. This was not, however, to be Krusenstern's final word on the Pacific, but the beginning of a lifetime's study of its hydrography.

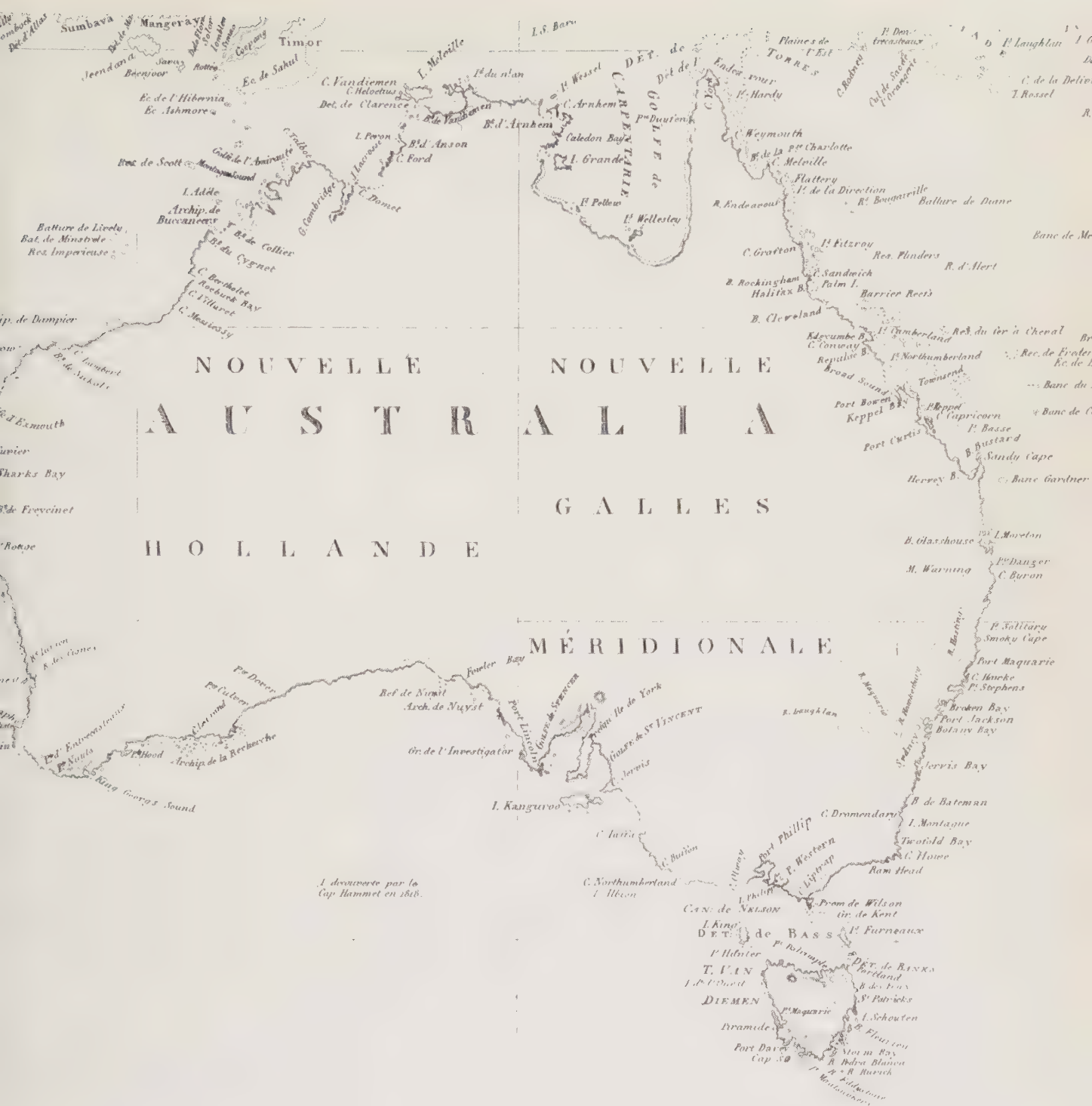
During his three-year circumnavigation Krusenstern repeatedly felt the need for a reliable and comprehensive atlas of the Pacific, a type of publication that did not exist at the time in spite of the extensive work already carried out by Cook and others. In 1819 he published his *Beyträge zur Hydrographie der Grössern Ozeane*, a detailed account of the hydrography of the world's great oceans, well over half of which is devoted to the Pacific. Four years later in St. Petersburg he published the first volume, devoted to the South Pacific, of his *magnum opus*, the celebrated *Atlas de l'Océan Pacifique*, which first appeared in Russian and then in French. This was followed by a companion volume on the North Pacific, published in Russian in 1826 and in French a year later. Both parts were accompanied by a volume of explanatory text and were republished (in French only) in the 1830s with the maps re-dated 1835-38. Krusenstern's superb maps soon established themselves as detailed and accurate authorities and their reputation persisted



A native of the Marquesas Islands. One of the plates which accompanies Krusenstern's official account of his circumnavigation of the world. (By courtesy of Bernard Quaritch)

well into the nineteenth century. Typical of the praise they received was A. G. Findlay's *Directory for Navigation of the South Pacific Ocean* (5th. ed., 1884): 'Krusenstern is the hydrographer of the Pacific. This is a proud position, and is worthily occupied . . . It is difficult to speak in sufficiently high terms of this noble work . . . Krusenstern embodies everything that had previously been observed in the Pacific, and in the most masterly manner he has reconciled the discordant materials at his command, and placed its hydrography upon an entirely new basis.'

Today his atlas of the Pacific is of great rarity. The *National Union Catalog* of holdings in North American libraries, for example, records no copies at all of the original Russian version, two of the first French language issue and five of the 1830s reissue. One additional item of interest, especially for



This section of Krusenstern's map on which Australia appears so-called for the first time. The atlas is titled *Atlas de l'Océan Pacifique . . . publié par Ordre de sa Majesté Impériale St. Petersburg 1824*. (By courtesy of Bernard Quaritch)

... Australian collectors, is that on the general map of the South Pacific¹ Australia appears so-called (as opposed, for example, to New Holland) for the first time. This was noticed by B. H. Soulsby, Superintendent of maps at the British Museum, in his 'Comparative List of Maps of the New Hebrides etc 1570-1904' and has not apparently been disproved by subsequent researchers.²

Apart from his hydrographic work Krusenstern exercised immense influence in the planning of subsequent Russian voyages to the Pacific and as director of the Imperial naval college left an impression of his abilities on a whole generation of naval cadets. Other important work carried out by him included, most notably, investigations into the methods of compensating compasses against the residual magnetism of iron ships. He died, an admiral, in 1846.

Further Reading

A detailed bibliographical analysis of Krusenstern's principal publications is found in Valerian Lada-Mocarski, *Bibliography of Books on Alaska* (New Haven: Yale University Press, 1969) and the historical background by Glynn Barratt, *Russia in Pacific Waters 1715-1825* (Vancouver: University of British Columbia Press, 1981).

References:

1. R. V. Tooley, *The Mapping of Australia* (London: Holland Press, 1979), no. 819.
2. B. H. Soulsby, 'Comparative List of Maps of the New Hebrides etc. 1570-1904', *The Voyages of . . . Quiros* (Hakluyt Society, 1904).

Eleventh Conference on Cartography held in Canada

MORE THAN 130 people from seventeen different countries of the world – eminent researchers, librarians, collectors and map dealers – gathered in Canada's capital city, Ottawa, from July 8-12, for the eleventh International Conference on the History of Cartography.

This was the first time the conference had been held in Canada and the hosts were the Public Archives of Canada in conjunction with *Imago Mundi* and the International Society for the History of Cartography. The three main organisers from the National Map Collection at the archives were Edward Dahl, the curator, acting as chairperson; Betty Kidd, the Director, in charge of local arrangements; and Louis Sebert who handled the finances.

The main conference was held in the lecture hall at the archives and at least fifty papers were read by leading scholars from universities all over the world. The main theme was cartobibliography but there were special sessions on colonial cartography, the teaching of the history of cartography and carto-chronology (a new system of dating maps to be introduced shortly). An all-day meeting of curators of historical map collections was held on the Sunday preceding the conference with Edward Dahl in the chair (see separate report). Throughout the week there were several concurrent exhibitions on display including dustjackets from books on the history of cartography, a part of the National Map Collection's recent 'Treasures' exhibition and cartographic posters.

A focus of interest during the week was a live printing press in the foyer of the lecture hall actually producing pulls from one of the Des-Barres' copper plates belonging to the archives. The printmaker, Daniel Potvin, who managed to keep his cool despite a barrage of questions from participants, was a local man.

Edward Dahl formally opened the proceedings on the morning of July 8 and welcomed everybody. He was followed by Jean-Pierre Wallot, the Dominion Archivist, who spoke on behalf of the Public Archives and introduced the first speakers, Professor Conrad Heidenreich, a well known expert on the history of cartography from the Department of Geography at York University, Downsview, Ontario. His subject was 'The Mapping of

Canada, 1500-1760' – a fitting start.

This was followed by a symposium on the teaching of the history of cartography co-ordinated by Richard Ruggles of Queen's University, Kingston, Ontario. This was the first time special attention had been paid to this subject at any of the international conferences and it proved to be a very useful means of exchanging views between the lecturers involved. The first session was a lively resumé of her forty years teaching the history of cartography at Birkbeck College, London, by Professor Eila Campbell who retired in 1981. She explained that before 1965 all students specialising in geography were only 'exposed' to the history of cartography in as far as they studied the history of the topographical mapping of countries as part of their regional geography studies. After 1965 Professor Campbell changed her course fundamentally to include seminars, practicals and lectures on developments in mapping, charting and surveying from 1250 to 1550 with a parallel course in the history of geographical ideas and exploration. However, she felt that students trained in geography at the undergraduate level may not necessarily be the most appropriate people to undertake research into the history of cartography.

'Appraising my own research students,' she told delegates, 'I am inclined to believe that those who have graduated in some branch of history often have a better foundation than graduates in geography although they may lack a sense of place and a knowledge of terrain. One must, of course, remember that some of the best contributions to the history of cartography have been made by people not trained in any academic discipline – the devoted amateur.' Finally, looking to the future, she said that she could not foresee any significant increase in the number of academic appointments in the history of cartography in Britain, and what was needed were some wealthy patrons prepared to put up two million dollars to fund a department devoted to the subject. 'A pipe dream? Maybe, maybe not!'

Dr. Norman Thrower from the geography department of the University of California in Los Angeles spoke about the history of cartography programme he had developed during his career and Dr. Jeffrey Stone from the

geography department at Aberdeen University, one of only a few universities with a significant course on the history of cartography, presented the concepts and methods in teaching which he considered to be of importance.

The second session on teaching methods consisted of several short reports and discussions on three aspects; differing types of course presentation and the problems involved; the need to integrate material from cultures like China, Japan and Korea into university courses in Europe and the USA; and the integration of the history of cartography into other disciplines like history and anthropology. Also, the outreach of the study of the history of cartography into the lower schools by inserting such map studies into the curricula, and to the general public by means of displays, exhibitions, short courses and public lectures.

Light relief was provided during the conference by a boat trip down the Ottawa River with dancing until the early hours of the morning, a splendid outdoor barbecue in the grounds of the National Museum of Man and a bus tour of Eastern Ontario, the Rideau Canal System and a visit to Upper Canada Village on the St. Lawrence River. Another innovation, which was a novel way of obtaining funding, was sponsorship by local dealers and institutes of the coffee breaks.

Tuesday was devoted to a session on cartobibliography co-ordinated by Joan Winearls from the University of Toronto and the speakers included Francis Herbert of the Royal Geographical Society, London, Robert Karrow of the Newberry Library, Chicago, David Woodward of the University of Wisconsin and Leena Miekkaavaara of Finland. A concurrent session on aspects of European cartography was held in another room chaired by Louis Cardinal and Eila Campbell. In the evening a special joint session with members of the Ottawa Map Society was chaired by Edward Dahl. Speakers included Geraldine Beech of the Public Record Office, London, Judith Hudson Beattie of the Hudson's Bay Company Archives at Manitoba, Roger Schlesinger of Washington State University and Lisette Danckaert of the Bibliotheque royale Albert ler, Brussels. The Ottawa Map Society are a lively and enthusiastic group who meet regularly.

A separate session on Colonial Cartography



Some of the guests enjoying a barbecue in the grounds of the National Museum of Man, Ottawa.



Pictured during one of the session breaks are Dr. John Wolter of the Geography and Map Division at the Library of Congress and Dr. Bruce Solnick of the Department of History at the State University of New York at Albany.



Three main organisers of the Eleventh International Conference. From left to right: Edward Dahl, Betty Kidd and Louis Sebert.

led by Dr. Brian Harley of Exeter University and Anne Godlewska of Clark University, Worcester, Massachusetts was held on Wednesday (see separate report by Dr. Harley), and a special meeting on Tony Campbell's proposed 'Chronology for the Dating of Early Maps' (see separate article). The closing meeting on Thursday provoked a lively discussion on the future of these conferences. Several people felt there was a pragmatic case for the formation of an association beyond the present informal organisation set up by *Imago Mundi* and others at the conferences should be allied to a formal body such as the International Cartographic Association. However, Dr. Helen Wallis of the British Library felt that the present structure could continue as it meant 'open house' to anyone interested in the subject and in that its strength. It was finally agreed that a committee be set up to look into the matter and they would meet 'by correspondence.' Ed Dahl, in his formal closing speech, said that the conference had been a 'marvellous opportunity' for him and he thanked all those who had helped. Professor Campbell then thanked him on behalf of the participants and the International Society for the History of Cartography. Barbara McCorkle of Yale University Library added that it had been the first time the conference had set aside a session especially for map librarians and curators and she felt everyone had benefited from it. The next conference will be held in Paris in 1987 under the auspices of the Bibliothèque Nationale.



Printer, Daniel Potvin, is shown inking the Desbarres' copper plate (above) and running it off on his printing press. This exhibition of hand printing was given during the conference.



Participants from England. Newly-appointed secretary to IMCOS Mrs. Caroline Batchelor and her daughter Ella.

Forthcoming Events

November 8, 1985-April 30, 1986

'Charting the Pacific Basin 1768-1842'. Exhibition at the Library of Congress Geography and Map Division, Washington DC.

Dec 7, 1985
11am

Meeting of New York Map Society. 'Maps, Monks, and Myths' by Gwendolyn Barkley.

Dec 9, 1985

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

Dec 15, 1985

Historical Map Society of British Columbia meet at Butler Galleries, 341 West Pender St, Vancouver, Canada, for talk on the history of the Pacific Northwest.

Jan 8-12, 1986

Washington Antiques Show, Shoreham Hotel, Calvert Street, Washington DC.

Feb 21-23, 1986

Californian International Antiquarian Book and Print Fair, Los Angeles, USA.

June 21, 1986

IMCOS Symposium at Royal Geographical Society, London.

June 22, 1986

IMCOS Map and Print Fair, London.

Sept 11-14, 1986

Sixth International Coronelli Symposium, Rijksmuseum, Nederlands Scheepvaart Museum, Amsterdam.

The Discovery of the World

Report by Jeffrey Stone

AN UNUSUAL AND EXCITING exhibition of early maps was held from June 7 to October 30 at the Old Fort on St Helen's Island in Montreal, Canada. It was unusual in that it was a commemorative event for the late David Macdonald Stewart and exciting as it gave a unique opportunity for people to view parts of his collection.

David Stewart, who died last year (See p.42 *TMC*, Issue 28) created the museum on St Helen's Island in 1955. A section was allocated for maps and globes but had not been completed when he died. At the opening of the exhibition entitled 'The Discovery of the World. Maps of the Earth and the Cosmos' the mayor of Montreal and Mr Stewart's widow unveiled a commemorative plaque dedicated to its founder.

The exhibition was drawn exclusively from the David Stewart Collection of maps, rare books and navigational instruments, put together over thirty years by the President of the Lake St Louis Historical Society and the Macdonald Stewart Foundation. It had already been seen in France in 1984 as part of St Malo's celebrations of the 450th anniversary of Jacques Cartier's discovery of Canada.

The exhibition focussed on four main aspects of the history of maps. These are the early cartographic representation of the world; maps of the New World with emphasis on the Nouvelle France of Jacques Cartier until the end of the French regime; contemporary sea charts and their related instruments; and cartographic curiosities depicting various parts of the world. The last section was only loosely related to the theme of the exhibition, but it provided a delightfully lighthearted appendix to an exhibition which contained a wealth of historical and cartographic information. Most of the exhibits were maps but a number of important books had been integrated into the display, principally books on navigation and cosmography such as Ramusio's *Delle Navigazioni et Viaggi*, which contains the first printed account of Cartier's voyages to Canada. There are also a number of rare scientific and navigational instruments, including a remarkable diptych sundial made in ivory and brass by Reinman in Nuremberg in 1596. The instrument was used as a portable measure of

Duchess Opens Antiques Fair

Her Grace Sally, Duchess of Westminster, opened the Sixth Park Lane Antiques Fair on October 1 and then toured the show with Raymond O'Shea, a member of the committee and a well known map and print dealer. They are pictured here at his stand.



time by observing the shadow cast by a taut string, but the instrument also includes a map of the then known world.

The maps on display appropriately began with one of the most up-to-date views of the world prior to Columbus's discovery of America, that is Schedel's woodcut Ptolemaic map of 1493. The number and condition of the early maps of the world in the first section was particularly impressive, and a lesson in the early development of map projections. Evolving conceptions about the New World were evident from the almost unrecognisable shapes of Münster (1593) to the increasingly familiar outlines of Blaeu (1635) and Delisle (1730). Perhaps the greatest attractions of the first section, however, were several less familiar maps with evident maritime origins and sources, such as the coloured copy of De Jode's 'Totius Orbis Cogniti . . .' (1593), Magini's 'Universi Orbis . . .' (1596) or Moullard-Sanson's untitled chart of the world of 1710 which was used by navigators for astronomical observation at night.

The greatest wealth of the exhibition was in the maps of North America. Among the great rarities was Plancius's ten-sheet wall map of 1592 depicting the New World, which revealed for the first time in print some of the secrets of Portuguese navigational charts. The map takes account of Cartier's discoveries and greatly influenced subsequent maps. Another very attractive map was Overton's 'America' of 1730,

with its scenes of Indian life, a cod fishery and the very large depiction of beavers building a dam which will be familiar to readers of *TMC*. (See Issue 29). Perhaps most spectacular of all were the wall maps. These included the highly decorative 'L'Amérique' by Nolin (1740) bearing numerous cartouches illustrating episodes in American History, landscape features or activities of economic importance. There was also Mitchell's 'Map of the British and French Dominions in North America' (1756) with much historical detail of eighteenth century boundaries, trade routes and settlements. Another highly decorative wall map was Abb'e Clouet's 'Carte de l'Amerique . . .' (1788), while Chambon's 1760 wall map of 'L'Amerique', which is one of a series depicting the continents, could almost be placed in the category of curiosities, in that it is orientated with east at the top.

Some of the curiosities are quite well known, such as Vischer's 'Leo Belgicus' (1630), which shows the Netherlands and Belgium in the outline of a lion, but there were lesser known items including a 1740 Meissen porcelain model of 'The Map Seller'. There was also the map to publicise the exhibition, Hondius's 1590 map of the world set in the facial aperture of a court jester's cap.

Following the eleventh international conference on the history of cartography, the participants were taken on a tour of this exhibition.

New Film on Early Mapping



A shot from John Booth's new film.

AUTHOR, JOHN BOOTH, has produced a video/film entitled 'Our Forgotten History'. It lasts for an hour and traces the development of printed mapmaking from the publication of Ptolemy's *Geography* in 1477 to the maps of Robert Morden in 1695.

The film is supplemented by various historical sequences that include a Roman Survey party, Saxton working on his Elizabethan survey, a civil war battle (in which the maps of Saxton, Hollar and Speed were used by both sides!) and an Ogilby surveyor at work with his waywiser. The programme covers the maps of Ptolemy, Mercator, Ortelius, Saxton, Speed, Blaeu, Ogilby and Morden.

Practical aspects of engraving on copper are the work of Bill Sinclair, the leading British line

engraver who enjoys an international reputation as a gun engraver. The interesting printing sequence demonstrates the methods used to print copper plate maps.

The film is produced and narrated by John Booth, author of *Looking at Old Maps* and *Antique Maps of Wales*, and is directed by Patrick McLaughlin who is well known in film-making circles for his work on major historical productions including *Becket*, *A Man for All Seasons* and *Anne of a Thousand Days*. Waywiser Films is run by five partners including Mr. Booth and they have produced a fifty-page booklet with teaching notes and maps to accompany this production. Both the film and the booklet are available from Waywiser Films, Suite B, 4 Church Street, Westbury, Wilts.

Around and About

NEWS



Following detailed study of the improvement of environmental conditions in the bookstack of the New Bodleian Library, Oxford, the curators have decided that they must install a new environmental control system for the below-ground floors. 90% of the map collection and 90% of the geographical books are located on these floors so it is likely that this material will not be available to either readers or staff from June, 1986, until Easter 1987. Probably best to check with the map curator, Betty Fathers, before planning a visit during that time.

A new company called Archival Aids Ltd. has been set up in Spondon, Derby. They aim to provide a systematic approach to paper conservation whether on a large or small scale. This combines deacidification techniques with laminating and mounting. Their products are now available from leading distributors throughout the world. For further information write to: P.O. Box 5, Spondon, Derby DE2 7BP.

Christie's, Lloyds insurance broker Lowndes Lambert and the security firm Mayne Nickless have joined forces to form Christie's Fine Art Security Services. They aim to provide a specialised service dedicated to the safeguarding of fine art in storage, and will be based at the new Nine Elms Estate in South-West London. The repository will contain 100 separate secure units of various sizes from 100 cubic feet upwards. Advanced electronic surveillance systems will be in operation round the clock. More information from Ray Perman on 01 839 9060.

John Booth of Cambridge House Books in Wiltshire wants people to know that the second edition of his book *Antique Maps of Wales* and the softback edition of *Looking at Old Maps* are now out of print. The hardback of *Old Maps* is still available.

Six years research have gone into a book privately published with a limited print-run of 100 copies, titled *The Thames 1580-1980. A General Bibliography* by Ben Cohen, price £35. It contains a fairly large section on maps. Inquiries to 01 387 6805.

The International Map Collectors' Society have appointed Caroline Batchelor of The Pikes, The Ridgway, Oxshott, Surrey, as their new Secretary.

A new map society has been born! It is the Israel Map Collectors Society whose headquarters will be at 4 Brenner Street, Jerusalem 92150, Tel: 63 9711. The President will be Eran Laor, Secretary, Eva Wajntraub, Ronny Klein, Treasurer. We hope to include a progress report on the new 'baby' in a subsequent issue.

Congratulations to our Associate Editor, Ronald Vere Tooley, who celebrated his eighty-seventh birthday in September. He is still beaver away putting his lifetime's experience in the map world on to paper. His latest book *Tooley's Handbook for Map Collectors* was published recently and is available from Map Collector Publications (1982) Ltd., 48 High Street, Tring, Herts HP23 5BH. Price £14 inc. p&p.

The John Carter Brown Library will award approximately fifteen Research Fellowships for the year June 1 1986 to May 30 1987. The regular Fellowships are available for periods of one to four months and carry a stipend of \$800 per month. These are open to Americans and foreign nationals engaged in pre or post doctoral, or independent, research. The Library will also receive applications for long-term Fellowships funded by the National Endowment for Humanities. These will consist of either two six-month awards carrying a stipend of \$13,750 each or a single twelve-month award with a stipend of \$27,500. Applicants must hold a doctorate or be American citizens. One appointment will still be reserved for the Jeannette D. Black Memorial Fellowship (she was a past curator of maps). Forms from: The Director, The John Carter Brown Library, Box 1894, Providence, R.I. 02912.

An exhibition of facsimile maps, prints and sea charts (hand-coloured) was held at the premises of Olwen Caradoc Evans, Perllan, Caradoc, Conwy, Gwynedd, North Wales, from June to

October. Mrs. Evans began collecting and selling maps and prints in 1953 and now reproduces high quality facsimiles.

Harry Margary of Lympe Castle, Kent, is reproducing the old series ordnance survey maps first published in the nineteenth century. Because the maps are so large they are being reproduced as a series of ten volumes covering the whole of England and Wales in hard covered sewn bindings. The first volume covering Kent, Essex and East Sussex is now available priced £22. Each volume will contain an introductory text by Dr. J. B. Harley and Dr. J. Manterfield.

On October 5, a group of ten people gathered to re-form the Wisconsin Map Society. It was decided to meet monthly at the American Geographical Society, and the next meeting will be in January, 1986. They plan to publish a newsletter called *The Wisconsin Milestone*.

A new international Antique and Collectors' fair was held on October 29 at the Newark and Notts Show Ground in a huge marquee. Every facet of collecting was covered by over 1,000 exhibitors.

The British Library exhibition 'Mirror of the World' is to be extended until May 6, 1986 in the Map Gallery. It will be followed by a new exhibition 'The City in Maps: Urban Mapping to 1900' on display from June 4, 1986 until December 31, 1987. This will portray the worldwide development of urban cartography from the time of the earliest printed maps and map-views of the 1480s until the end of the nineteenth century.

IMCOS in Helsinki

Report by Alan Bartlett

MEMBERS OF THE International Map Collectors' Society from five different countries joined with members of Chartarum Amici, the Finnish Map Collectors' Society, for a highly successful symposium and series of visits to view maps at the end of September.

The symposium itself covered a wide range of topics, mostly with a Finnish or Arctic theme, presented by a variety of speakers, collectors as well as notable academics. Major visits were made to the National Board of Survey, the equivalent of the British Ordnance Survey, to see and study a splendid collection of historical maps of Finland including many seventeenth century estate manuscripts and an unusually coloured set of maps from the Russian period. A fascinating presentation was given of the development of the National Atlas of Finland which, when it was first published in 1899, was the first national atlas in the world.

However, the keynote visit was to the world

famous Nordenskiöld Collection at Helsinki University Library. Only the overseas visitors were allowed access to the vaults housing the collection where, following a valuable introductory talk, there was the opportunity to study an impressive display of items and view others brought willingly from the shelves.

Further interesting visits were made to the country home of A. E. Nordenskiöld, to the ancient wooden town of Porvoo, and to the adjacent Borga Gymnasium which houses the oldest library in Finland.

The social and collecting side was not neglected; two receptions were held with fascinating maps to view and a delightful celebration dinner was enjoyed by us all. That the whole series of events was so successful owed a great deal to the hospitality, hard work and organisation of Chartarum Amici and its chairman, Aarno Piltz. Since the meeting, Jan Strang, their secretary, has been appointed official IMCOS representative for Finland. IMCOS now has representatives in twenty-one different countries.

Another Side to Saxton

Augustine Ryther is known principally to cartographic historians as an engraver for Christopher Saxton. A rare example of his work as an instrument maker came up for sale at Sotheby's on 23 October, when a brass Equinoctial Dial, engraved 'A. Ryther Fecit 1588', made £17600 (including premium). Sotheby's note only one other instrument by Ryther – a theodolite in the Galileo Gallery, Florence.

Writing Colonial Cartography

by Brian Harley

Report on the Seminar in Colonial Cartography at the Eleventh International Conference on the History of Cartography, Ottawa, July, 1985.

THE HISTORY OF maps as agents of colonisation is nearly as old – and certainly as universal – as the history of maps themselves. From the campaigns of Alexander the Great to the age of the British Raj in India and from Dynastic China to the Americas in the Age of Discovery maps have been made and used as intellectual weapons in the conquest, subjugation, settlement, exploitation and administration of colonial territories. But if it is a truism that maps both assist and legitimize colonial and imperial activity, then these roles have too often remained dormant in writings by historians of cartography. Euro-centricity has induced a type of tunnel vision in studies of European overseas mapping. Thus the maps, especially of earlier periods, are identified as masterpieces of European art, science and technical ingenuity, and seen as offering yet another contribution to the enlightenment of the inferior society whose territory is being mapped. This way of putting it may be a caricature, but it is certainly true that the ideological underpinnings of maps in the process of colonial history have been largely ignored.

A reaction against this tradition was the starting point of the 'Seminar in Colonial Cartography'. Organized by Dr. Anne Godlewski (University of Wisconsin-Madison) and Dr. Brian Harley (University of Exeter), the Seminar was designed as a forum in which contributors to the Chicago *History of Cartography* could discuss the problems of conceptualizing, researching and writing the history of maps in colonization on a world scale in the period from the sixteenth to the nineteenth century. The Seminar was to be a writer's workshop for this gargantuan task



Dr. Brian Harley (Exeter University) and Dr. Anne Godlewski (University of Wisconsin-Madison), organisers of the seminar in Colonial Cartography, pictured on the terrace of the Public Archives of Canada in Ottawa.

and it was deliberately set up as one of the experimental sessions of the Conference as a whole.

The result – influenced as much by the chemistry of audience participation as by the character of individual papers – was something of a hybrid and it can be reported at two levels. At one level, it generated a series of well-presented papers which could have graced any of the plenary sessions of the Conference. These ranged from presentations of finished pieces of research – by Günter Schilder on 'The Hydrographic Office of the Dutch East Company in the eighteenth century'; by Richard Ruggles on 'Hudson's Bay Company cartography: the commercial mapping experience of a chartered trading monopoly, 1670-1870'; by Jeffrey Stone on 'Topographical mapping in British Colonial Africa, with particular reference to Zambia'; and by Dov Gavish on 'An account of an unrealized aerial cadastral survey in British Mandatorial Palestine' – to papers which reported early explorations of the subject matter by Andrew Cook, 'More by accident than by design: the development of topographical mapping in India in the nineteenth century'; by Bruce Solnick, 'The British Caribbean in the eighteenth century', and by Anne Godlewski, 'Role of maps in the French invasion, conquest and colonization of Algeria, 1830-1870: the map as weapon'.

The other level of the Seminar was that of its discussions. Here it was stimulating to share in a critical occasion. Concepts, terminologies, approaches and established wisdom had ceased to be sacrosanct and old ways of thinking were put in the firing line. What did the terms 'colonialism' and 'imperialism' really mean in a

cartographic context? What time periods ought to be employed in writing about cartography and colonization and how is the world best divided for such an enterprise? Should the continents be retained as primary units of study; should we be thinking in terms of the historical unity of individual national empires, or should broader cultural provinces be selected in structuring the narrative? A proper relationship between cartographic history and history in general is always difficult to define and is never constant. But how far should historians of cartography go in reconstructing the intellectual, military, political, social and economic events and contexts associated with the maps they describe? To what extent do they have to become specialists in the history of colonial policy-making in terms of its theory, practice and internal tensions? Faced with the sheer complexity and volume of mapping that has survived, it is also tempting in a general history to erect neat classifications or models in which the raw material of comparative study can then be pigeon-holed. For example, did the mapping of colonial territories always follow a tidy sequence of reconnaissance, conquest and consolidation? Or can we construct a 'system' in which the map is juxtaposed between conquered and conquering peoples – highlighting the duality of its role – and in which, simultaneously, generalisations can be made about the complexity of social interaction and technical process? Or perhaps, when all the talking was over, our principal agenda will remain focussed on the uniqueness of cartographic experience in relation to distinctive national traditions, institutions, cultures, and historical contexts which comprised the colonial world?

Needless to say, not all these questions were answered. To those who believe that structured debate, rather than serendipity, is a necessary prelude to historical writing the Seminar was a success. To those who prefer their conferences in twenty-minute gulps, with the next coffee break guaranteed by stop-watch, the Seminar may have been a more frustrating experience. A few were shocked to discover that the golden age of methodological innocence was over. Overall, however, the occasion provided a welcome opportunity to discuss ongoing research in a critical yet constructive atmosphere.

Maps donated to Hungary

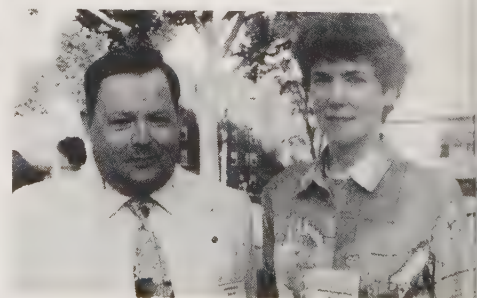


THE ONLY PERMANENT exhibition of early maps in Hungary has been set up due to the generosity of a map enthusiast in Oxford, England. László L. Gróf, who left Hungary in 1956 and probably has one of the most comprehensive collections of Hungarian maps in the world, has given a selection of maps to his home town of Sárvár. They will be housed in the tower of the Nádasdy Castle, a famous sixteenth century landmark in the town centre. The picture on the left shows the Mayor of Sárvár, Sándor Kiss (left) and Mr. Gróf signing the agreement in August.

The picture on the right shows the castle where the exhibition is being staged. The collection covers the years 1520 to 1850 and besides the early Ptolemaic maps includes works by Mercator, Ortelius, the Blaeus, Speed and Coronelli. An accompanying catalogue in Hungarian, German, English and Russian is also to be published. Mr. Gróf told TMC that he had given the maps so that they would be 'readily available and easily accessible to students and researchers' and 'to awaken interest in the appreciation of early cartography.'

In Love with Maps

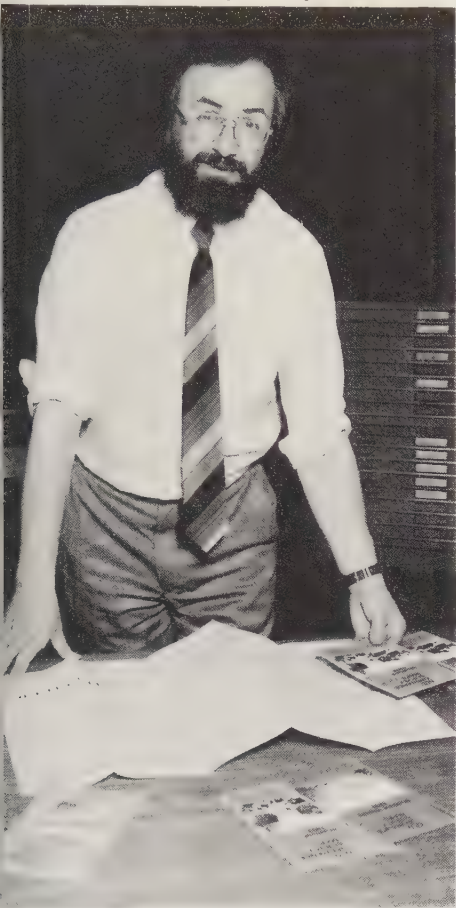
This is something we would like to see much more of – people wearing their maps (not their hearts!) on their sleeve. These two enthusiasts were spotted at the Eleventh International Conference on the History of Cartography. On the left, sporting his map tie, is Lawrence Story, a collector from Acton, Massachusetts, and, on the right, Alberta Wood of the Queen Elizabeth II Library, St. John's Newfoundland, showing off her map of the world shirt.



100th Map Published

Report by Elizabeth Clutton
(University of Sheffield)

ON THE AFTERNOON of August 29 this year about forty people including local historians, a printer, librarians, map curators, authors and editors, assembled in the new exhibition area of Newcastle-upon-Tyne City Library to celebrate



Alan Godfrey pictured with one of his maps.

James of Norwich

THE FIRM OF JAMES was founded in Norwich in 1969, when David James decided to leave the regular army and devote all his time to the business which he had started on a part time basis. Initially, the firm catered only for stamp collectors, but in the early 1970's the decision was made to diversify and expand into other hobbies and collecting fields, including Antiquarian Maps.

JAMES now has three retail premises, the head office at 33 Timberhill, Norwich, the Suffolk based branch, now at 30 St. John's Street, Bury St. Edmunds, and a new shop opened in London this year at 51 Whitcomb Street, near Leicester Square.

Apart from retailing, there is also the auction sales side to the business. Auctions of Antiquarian Maps are held quarterly with catalogues distributed to clients throughout UK, Europe, USA, Canada, Australia and New Zealand. JAMES provides a service for collectors who have interests in more than one field. If, for example, you are also interested in stamps, Coins, Medals, early Picture Postcards or other ephemera, perhaps this firm can meet your needs.

the publication of the one-hundredth map in the Alan Godfrey Edition. All had been involved in various ways with the birth and growth of this one-man publishing business.

Alan Godfrey will be known to many readers of *TMC* as a former dealer in early Ordnance Survey maps. In 1981 he began to publish, at a reduced scale, a series of reprints of early Ordnance Survey 25-inch to the mile plans. Based in Dunston, across the Tyne from Newcastle, he started with sheets of his local area, Gateshead (East) 1895, which appeared in the autumn of 1981, followed by Newcastle, Yarrow, Sunderland, Durham and others. Of the first 100 sheets in the Edition, forty-two are of north-east England.

Throughout the history of the evolving series, two themes recur – one personal to the publisher, the other reflecting the nature of his external support and encouragement. First, the personal element: Alan Godfrey has northern roots and a sense of regional identity is evident in the early history of the series, with its coverage of the north-east and also in its subsequent extension to other parts of the industrial north. Mostly, these are areas of minimal tourism and with unemployment rates among the highest in the country: not areas of obvious high market potential for early map facsimiles. Yet the reprints sell well locally, for others share a sense of belonging and local pride survives in communities whose home environments have changed beyond all recognition, both visually and economically, since the maps were first published a lifetime ago. As Alan Godfrey himself puts it: 'Dunston may not have the charisma of Durham, nor Willesden that of Westminster, but to the person who lives there they are all of equal importance'.

Externally, Alan Godfrey has received most support and encouragement from map curators, archivists and librarians responsible for local history collections. As user figures for such collections have risen, the condition of their early Ordnance Survey maps has steadily worsened. Sufficient money for proper storage and conservation is not always available; withholding the originals and providing copies on microfilm or aperture cards is often unpopular with readers. A facsimile reprint can and does meet many non-specialist user needs in an acceptable way.

With the encouragement of the National Library of Scotland and various public libraries, the Alan Godfrey Edition crossed the border and invaded Scotland. A block of eight sheets has been published for the Edinburgh area, two for Glasgow and eight others, making a total in the first 100 of eighteen Scottish sheets. Public library support from London and Yorkshire also played a part in extending the series. There are thirty-three London sheets in the first 100, of which the first was Kensington, published in 1983. The Yorkshire series began with the Rotherham sheet, and there are seven Yorkshire sheets among the first 100.

What of the future? As a national series, the Alan Godfrey Edition is now firmly established, but it still has a long way to go. The publication of a hundredth title offers an opportunity for taking stock: to look back, and to look ahead. The publisher has obviously looked back on a personal level, choosing for his 100th publication the sheet covering the area in which he was born and dedicating the reprint to his father's memory. He has also looked back on the Godfrey Edition, for he outlines its history and lists his first hundred maps. Of the future he says: 'There are hundreds, even thousands of

NEWS



maps still to be reprinted and this is, I hope, only a minor milestone on my way. By the time I reach my 200th title, I should have major series for Glasgow and Lancashire beginning to take shape; while the London series alone is planned to stretch eventually – many years hence – to several hundred maps. Wish me luck!

The format established in the early days has continued through to the most recently published sheets. One side of an A2 sheet is completely covered by a reduced facsimile reprint of a single OS 25-inch sheet, mostly dated around the turn of the century. The scale of the reproduction is about 15 inches to the mile and none of the fine detail of the original 25-inch scale has been lost. Extracts from a contemporary street Directory occupy the verso, along with an illustrated cover and notes on the local history of the area. The high quality printing is done by E. F. Peterson of 12 Laygate, South Shields. Folded, the maps sell at 90p per sheet. They are available locally and by post from the publisher at 57-58 Spoor Street, Dunston, Gateshead NE11 9BD.

Map Exhibition in Munich

An exhibition of old maps and masterpieces of art spanning four centuries was on display until mid-October at the attractive gallery of Monika Schmidt in Munich. The title was 'Alte Landkarten-Kunstwerke aus vier Jahrhunderten'.



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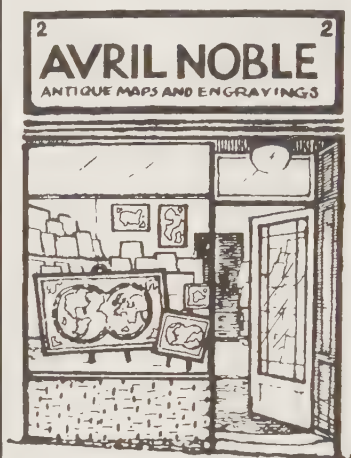
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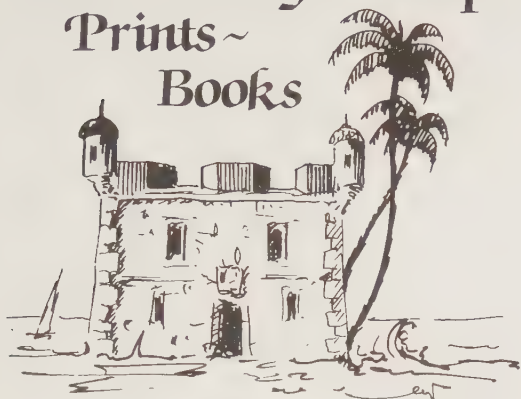
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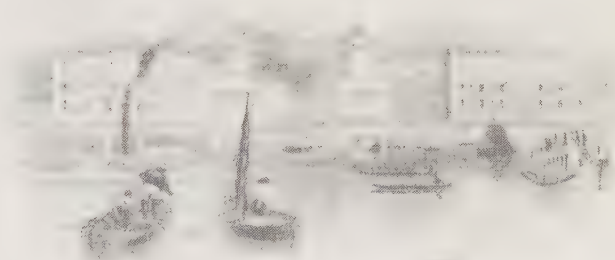
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THE A TO Z OF REGENCY LONDON. *Introduction by Paul Laxton. Index compiled by Joseph Wisdom.* (Published by Harry Margary, Lympne Castle, Kent in association with Guildhall Library, London, 1985) 9 pp. introduction, 116 pp. maps and index. ISBN 0 903451 36X. Price £16 (p+p £1.80).

Not everyone will understand a reference to the alphabet in this context and those who do may be misled by it. According to Paul Laxton, the maps in a modern 'A to Z' are only rudimentary street plans, a far cry from the first-class cartography dealt with in the remainder of his introduction. Likewise, 'Regency' to English readers means a whole decade, whereas Joseph Wisdom's index to this book, despite its impressive length, relates only to a single year and a single map. In these respects the present work resembles Harry Margary's similarly-titled treatment of 'Georgian' London published in 1982. (His *A to Z of Elizabethan London*, three years earlier, had been planned on rather different lines.) The subject then was John Rocque's large plan of 1746; now it is the third (1813) edition of Richard Horwood's *Plan of the cities of London and Westminster*, reduced from 26 inches to 13.75 inches to one statute mile and set out in eighty conveniently-sized pages. In other words, this is essentially another facsimile reprint, with the added advantage of a comprehensive placenames index and reference grid to match.

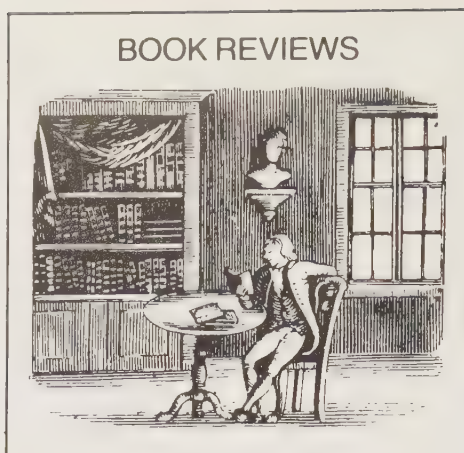
As Dr. Laxton points out, Horwood did a better job than Rocque. Nevertheless both men belong to the same tradition, as exemplified in the best of Rocque's work outside London. They both seem to have believed that a good commercial town plan should lay down individual enclosures accurately enough to serve at least some of the purposes of a private estate map. Both represented dwelling houses by stipple and non-residential structures by diagonal lines, and both chose various kinds of realistic-looking 'ornament' to portray vegetated surfaces. Both mapped the fronts of houses more correctly than the backs. Here the most obvious sign of progress was that Horwood made half an apology for this fault and Rocque made none, but further study might well reveal that Horwood had less to be apologetic about. His map certainly stood the test of a thorough posthumous revision organised by William Faden; just how thorough can be seen by comparing Finsbury and Southwark in this book with the extracts from Horwood's first edition reproduced in *London in maps* by Philippa Glanville.

Hitherto there seems to have been little detailed research on Horwood and he makes a feeble showing in the reference books. Dr. Laxton's brief essay is rich in new information and original insights, and he will have more to say on the same subject in a forthcoming issue of the *London Topographical Record*.

J. H. Andrews
(Trinity College, Dublin)

UNITED STATES COASTAL CHARTS 1783-1861 by Peter J. Guthorn. (Schiffer Publishing, Ltd., Exton, Pennsylvania) 1984. 224 pp. approx. 170 charts. 305 x 235 mm. Price US\$59 ISBN 0-88740-019-1

The history of American cartography has, traditionally, been concerned with the exploration, discovery, and colonial periods of Anglo-America, with mapping and publication of maps by Europeans. The mapping and charting of America by Americans, in the years following independence has, until recently,

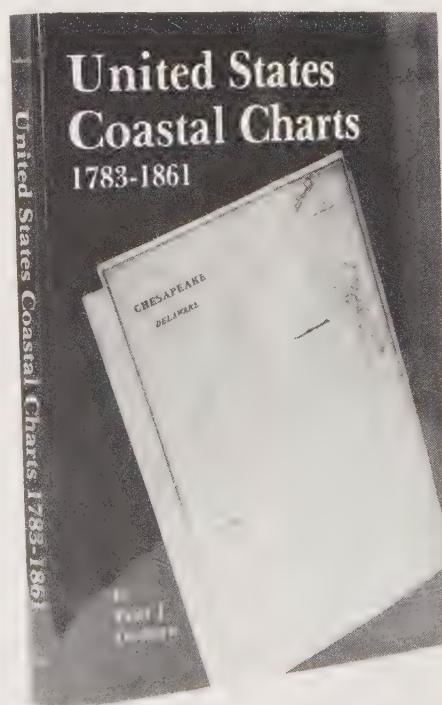


received scant attention. The volume here reviewed attempts to remedy this deficiency, with particular reference to coastal charts in the first three-quarters of a century of the nation's history. The author, Peter J. Guthorn, a retired surgeon, has made previous contributions to American cartographic history with several works relating to maps of the American Revolution.

The present work is primarily an atlas of facsimile reproductions of some 170 charts, most of them published by the United States Coast and Geodetic Survey and its predecessor, the U.S. Coast Survey, but including also charts by private and commercial publishers. The charts are presented in geographical order beginning at the northeast and continuing south along the Atlantic coast to Florida, then west along the Gulf coast. The last group of reproductions chart the Pacific coast of the United States, and are arranged in sequence from south to north. A number of the charts have been slightly reduced from their originals, most of which are from the collections of the Library of Congress' Geography and Map Division.

For each reproduction the compiler has

The cover of Peter Guthorn's book reviewed here by Dr. Walter Ristow, who was Chief of the Geography and Map Division at the Library of Congress in Washington.



prepared a brief note consisting of the title of the chart, the name or names of the hydrographic surveyor or surveyors, the engravers, and publishers, the size and scale of the chart, the projection used, and the general area shown. Preceding the chart reproductions there are approximately twenty pages of text which embrace brief biographical sketches of ten early private and commercial chart publishers, essays entitled 'Charting by the Navy,' 'Charting by the Army,' and 'Chart Reproduction, Projections and Paper.'

Regrettably, the introductory text, and to a lesser extent, notes for the individual charts are replete with errors of grammar, spelling, and typography. The contribution of the volume to the scholarly history of American cartography would, therefore, have been greatly enhanced by careful, knowledgeable, and judicious editing.

Walter W. Ristow, McLean, Virginia

LA HISTORIA EN LOS MAPAS MANUSCRITOS DE LA BIBLIOTECA NACIONAL. *Catalogue by Elena Santiago Paez.* Published by Biblioteca Nacional. Ministerio de Cultura. 1984. Madrid. 368 pp., 21 x 27 cm. ISBN 84 7483 389 2. Paperback. Price 2000 pesetas (Approx £9).

Spanish bibliography has a tendency to enter into massive and often purely academic detail or conversely to describe with such paucity of detail as to become little more than an index. This work is exceptional in that it avoids both extremes.

The catalogue describes the 474 manuscript maps in the Sección de Geografía y Mapas of the Biblioteca Nacional in Madrid, and supports the 104 shown in an exhibition in 1984. The Biblioteca has many other maps, the manuscript section being custodian of the more important items of greater antiquity, amply described in another catalogue.

Until the end of the eighteenth century Spanish maps were treated as military intelligence and guarded with utmost secrecy; that tradition is reflected in those listed here which are mostly the work of military engineers.

The work is divided into three broad sections; 1. General History - Spain, with the Caribbean and South America well represented; 2. Acts of War - of especial interest for its comments on the Falkland Islands. Five maps chart the Spanish attempts to locate and dislodge the British colony at Port Egmont in 1769; 3. Antonio de Ulloa - who, together with Jorge Juan, produced the first Spanish scientific maps of Latin and Central America. Ulloa was Governor of Louisiana in 1765 and Florida in 1766, a member of the Academy of Sciences in Paris, Berlin, Leipzig and Copenhagen, and founder of the astronomical observatory at Cadiz. Although this catalogue is wholly concerned with manuscript maps not available to the collector, it is nevertheless invaluable as a source for areas of Spanish interest. Modestly priced and well produced with many clear reproductions in black and white as well as twenty in superb colour, it should be a welcome addition to the reference libraries of collectors, dealers and institutions.

Paul Orssich
(Dealer in Majorca and England).

IMAGES DE LA MONTAGNE DE L'ARTISTE CARTOGAPHE A L'ORDINATEUR. (Published by the Bibliothèque nationale, Paris, and available



'Le Massif du Mont Blanc' by Engène Viollet le Duc. One of the items which was on display at the Bibliothèque nationale in 'Images de la Montagne'.

from 58 rue Richelieu, Paris, 1984). ISBN 2 7177 1695 5. Price 145 frs.

This is a catalogue in French of an exhibition mounted jointly by the Bibliothèque nationale and the Institut géographique nationale on the occasion of the 25th Congress of the International Geographical Union, held in Paris last year. The 148 items that were on display are listed together with full bibliographic citations and commentaries. A large number of the items are illustrated, twelve in colour. The catalogue is followed by a collection of six articles mostly concerned with aspects of the history of the mapping of the French Alps and the Pyrenees.

For those who love mountains and/or maps, the catalogue is a pleasure to browse through and makes fascinating reading. Most of the exhibition items relate to the French Alps, particularly Mont Blanc, and the Pyrenees. The main themes are the perception of mountains in general, the exploring of the Alps and Pyrenees, the history of the mapping of Mont Blanc, and the evolution of mountain map representation techniques. These are illustrated with a wide range of materials including drawings and paintings, prints, photographs, panoramas, all kinds of early maps, manuscript and printed, three-dimensional relief models, computer-drawn perspective views, and early surveying instruments. Overall, it is a stimulating and thought-provoking selection.

Elizabeth Clutton
University of Sheffield)

TOOLEY'S HANDBOOK FOR MAP COLLECTORS by R. V. Tooley. Published by Speculum Orbis Press, Chicago, 1985. 144 pp. 14 black and white illustrations. 21.5 x 15.5 cm. ISBN 0 932 757 00 6. Price £12. (Available from Map Collector Publications (1982) Ltd., 48 High Street, Tring, Herts HP23 5BH. Plus p + p £2).

There is no map collector throughout the world who cannot find something of relevance or novelty in the legendary Mr. Tooley's latest offering: his *Handbook for Map Collectors*. It is available for the modest outlay of £12 and is a true *vade mecum*, a portable index of all manner of topics, techniques and facts about people and maps with lists of references for further reading. Well chosen jottings comment on a

wide selective range of explorers, map makers, locations and even the states of the Union (e.g. 'Vermont, separated from New York 1791').

There are choice pieces for everyone. I was diverted by entries on the alidode (?), on Bankruptcy and Poverty, on Prices, Costs and Values, the 'unfortunate' reference to the British Library, and the sole sub-entry – surely inadvertently truncated – for Paris. Mr. Tooley has been the supplier, friend and adviser to countless collectors for years beyond measure and this work is perhaps his valetudinary gift to us all. As a relatively late entrant on to the scene I was hushed with respect at glimpsing some of the more arcane entries. Who are (or were) Adam of Bremen, Albyrouny, Alfaraby, Jehosophat Aspin, Zannoni and Zorzi? Have lucky collectors borne away, doubtless from Francis Edwards in the past, treasured fragments of their maps? Inevitably, as the Preface acknowledges, there are many omissions. There is an entry on the sixteenth century but not on the fifteenth, seventeenth or eighteenth; the Allards are there but not De Wit; De L'Isle but not De Fer; Naples has nine sub-entries but Paris only one; Tooley is in, yet Bagrow and Skelton are out. However, of the 144 pages the equivalent of nearly thirty whole pages are blank so that the reader can insert his own observations and amendments. Meanwhile, of particular value, are the references to articles in *The Map Collectors' Circle* and *The Map Collector*. These remind us of the many initiatives Mr. Tooley has fostered to stimulate writing and research by map collectors and map historians worldwide.

I very much hope that the *Handbook for Map Collectors* moves quickly into a second edition, if only to allow the publishers Speculum Orbis Press (who have a high reputation for their facsimiles) the opportunity to employ a proof reader; one who, hopefully, understands the use and misuse of apostrophes, and can also query one or two infelicities and inaccuracies.

Rodney W. Shirley

ISLES OF GOLD: ANTIQUE MAPS OF JAPAN, by Hugh Cortazzi. (New York and Tokyo: Weatherhill, 1983). xvii, 177 p., maps (59 in colour) + 1 folded map (col.) in pocket. 300 x 230 mm. ISBN 0-8348-01841-1. \$75.00 US.

In the last fifteen years a number of attractive, well illustrated (and generally appropriately priced) books have been published on maps and map collecting as the public becomes increasingly aware of their beauty and monetary value. Several of these books, in English as well as Japanese, have been on Japanese maps but this new volume by Cortazzi is the first to be readily available in North America, and one of the very few works in English on the subject.

Sir Hugh Cortazzi was appointed British Ambassador to Japan in 1980, but had served there for a number of years previously. He has written extensively on Japan, particularly on history and art, and relations with the West. He became interested in Japanese maps and started collecting them in the mid-sixties, but did not begin serious research until he had to give a lecture to the Asiatic Society of Japan in 1982. The present work is an expansion of that talk.

The author has attempted to provide a 'single, generally accessible work in English which both summarized the development of old maps of Japan, European and Japanese, and at the same time provided a reasonably clear

account of the interrelationship of the two traditions.' Half of the book is an essay in four parts. The first, 'Early maps of Japan', also deals with early European maps, maps of the age of explorers, and European influences on Japanese maps. Included in the explorer section is a discussion of 'types' of maps of Japan and sources used by European cartographers. In the second part, 'The years of isolation,' he outlines the history of Japanese mapmaking in the Tokugawa Period, and summarizes the European maps of Japan during the years of seclusion. The third section deals with a sensitive area, the northern islands, in a discussion of Japanese and European exploration and early maps of the area. The last part is a very brief summary in which he brings the story up to 1980 in three pages.

The other half of the book is mainly taken up with plates and commentaries. There is a seven page annotated bibliography, which includes works in Japanese, English, and other European languages, and a nine page index. Fifty nine of the ninety two plates are in full colour, and four are foldouts. In addition, the lovely *Nihon Ezu* (Bird's-Eye View of Japan) by Kuwagata Keisai is included in a pocket, and is eminently suitable for framing. The caption for each map gives the cartographer (if known), the romanized title in italics, the translated title in parentheses, a physical description including size in centimeters, the source of the original, and, frequently, notes about the map.

I cannot help comparing this work with the unfortunately out of print *Old Maps in Japan* edited by Matsutaro Nanba, Nobuo Muroga and Kazutaka Unno, originally published in Japanese in 1969, with an English translation by Patricia Murray appearing in 1973. *Old Maps* is a much longer work, covering all kinds of maps from world maps to city plans and maps on ceramic and other objects in much more detail, plus an essay on collecting by Nanba and one on the development of Japanese cartography by Muroga. The captions to the plates contain minimum information in Japanese and English, but in a separate section Unno gives bibliographic information plus a lengthy commentary on each map. The illustrations are clearer and the colours more vivid than in *Isles of Gold*. For some reason, Cortazzi does not include the English edition of *Old Maps* in his bibliography, although he does list the Japanese.

It would have been useful if he had included an outline map of modern Japan showing the provinces, districts and prefectures, and some of the main cities. Also, a glossary of the frequently used Japanese terms would have been welcome. However, this book is very attractive and likely to appeal to more than cartophiles and Japanologists. Although he refers to the popularity of woodblock prints, and describes the map of Edo on Plate 54 as being revised monthly, he gives no information on the making of the maps, or the often complicated relationship between the people responsible for them, such as the cartographer,



One of the illustrations in *Isles of Gold* reviewed here by Frances Woodward of British Columbia Library.

the artist, the carver, the reviser, the owner of the woodblock, and so on. No connection is made between the *ukiyo-e* artists and their prints, and the maps made by these same artists.

Cortazzi does fulfill his aim in *Isles of Gold*. The text is enjoyable and informative, and the many illustrations, aside from being beautiful, are very useful, particularly with the bibliographic information in the captions. The price, unfortunately, may prevent many individuals and small collections from buying this book, although it is comparable with that of other heavily illustrated books, and is less than almost any Japanese print available today. Any map collection purporting to have a world coverage should certainly have this book.

Frances M. Woodward
(University of British Columbia Library)

AMERICAN MAPS AND MAPMAKERS. COMMERCIAL CARTOGRAPHY IN THE NINETEENTH CENTURY, by Walter W. Ristow. Published by Wayne State University Press, Detroit, Michigan, 1985. 488 pp., 212 illustrations. 10 x 8 1/2 in (25.4 x 21.6 cm). ISBN 0-8143-1768-5. Hardbound. Price US \$60.00.

One suspects that Walter W. Ristow retired in order to go to work. Certainly his account of American commercial mapmakers and map publishers in the nineteenth century is evidence of his devotion to scholarly activity since giving up his administrative duties as Chief of the Geography and Map Division of the Library of Congress seven years ago. The subject has been his foremost research interest for at least thirty years, and he has drawn together in one volume an enormous amount of information not generally known even to historians of cartography. Some portions draw upon his many publications, but much is new. Especially helpful to the reader not very familiar with the subject is the first-class overview in the Introduction.

The book consists of twenty-eight chapters, each devoted to some segment of the developing story of American commercial cartography. Some concern areas, such as 6 – Early State Maps: The New England States; some, topics, such as 16 – Urban Plans and Atlases; some, individuals, such as 21 – Robert Pearsall Smith; and some, companies, such as 28 – Rand McNally & Company. Only one seems questionable from the point of view of consistency: 11 – The Ebeling-Sotzmann *Atlas von Nordamerika*. It was neither made by an American nor published in the United States.

but it merits inclusion because of its uniqueness. The titles and dates of the hundreds of maps cited are given in full in the text but only occasionally are the scales or sizes noted. There is no general bibliography; one would not be very sensible in a book of this kind, and instead the information is provided by useful notes at the end of each chapter.

Walter Ristow details (I use the word advisedly) the development of commercial mapping and mapmaking in the United States from the late colonial period to essentially the beginning of the present century. Prior to the 1780s the available maps were European, but by the turn of the century a shift to American production had begun. The remainder of the book is an account of the rise of individual map makers closely followed by publishers who employed increasingly ingenious means to promote the sale of cartographic products. Important, distinctively American cartographic phenomena, such as the county atlas, the Sanborn insurance maps, and the growth of the Rand McNally enterprise are all included. Woven into the account are the effects of the changing technology of map production from the copper engraving of the first part of the nineteenth century to the lithography, cerography, photography and halftoning of the latter part of the period, as well as the shift in the 'cartographic center of gravity' in the United States from the eastern states to the Midwest.

The only inadequacy felt by this reader in the coverage is the relative lack of technical information about the various processes of lithography, a production method that profoundly affected cartography in the nineteenth century. I could find no mention of lithographic engraving as a considerably less expensive alternative to copper engraving but barely distinguishable from it. Common in Europe in mid-century, it must have been employed in the United States.

The complex story of the development of commercial map making and map publishing is told by combining biographical and bibliographical information about significant individuals and their products in a chronological and regional context. The careers of important persons, such as Simeon De Witt, Surveyor General of the Continental Army and then for fifty years the Surveyor General of New York State, are carefully presented. Interesting, but not necessarily entirely cartographic, facets are happily not neglected. For example, De Witt, although not responsible, has been forever blamed for the spate of classical names used in the military lands he surveyed in western New York, many of which were carried along by the settlers moving westward. (This reviewer lives in southern Wisconsin ten miles west of the village of Verona.) All sorts of interesting information is provided. For example, the General Assembly of the State of Rhode Island in 1829 authorized a lottery for the financing of a state map; about 1850 thousands of copies of *Sidney's Map of Ten Miles round* (Philadelphia), published by Robert Pearsall Smith, were printed on silk handkerchiefs, then on linen and muslin. Unfortunately for their preservation, the available inks were not permanent!; in its prosperous years in the 1860s the Augustus Mitchell firm, publishers of atlases, maps, geography textbooks and tourists guides, sold more than 400,000 publications annually. There is much more.

Any book on the history of cartography must have adequate illustration, and this one has more than 200 in black and white, almost all of which come from the rich collections of the Library of Congress. Their captions are clear but give no indications of their scales or the

amount of reduction employed. Every reproduction is halftoned whether necessary or not (possibly the book designer's decision), and for the majority of maps the halftoning plus the considerable reduction provides only a general impression of the subject. This is adequate in most cases, but it does not allow much judgement as to the quality of the delineation or lettering.

The writing is straightforward and lucid, qualities for which Walter Ristow is well known, and the proofreading must have been particularly meticulous. This reviewer, who (unfortunately) reads everything with an editor's eye, found no errors in the text and only one inconsistency: Roxanna (Farmer) in the text and Roxanne in the index. There are certain to be errors, there always are, but there must be very few in this well-produced volume.

Because of the tremendous amount of information this book will be greatly valued as a reference, and unfortunately the index does not support this use as well as it could. For example, lithography is often mentioned in the book in varied instances having to do with cost, style, relation to production, anastatic printing, and so on, but it rates only two locaters (page numbers) in the index. The entries are rarely followed by subentries to help one narrow a search; for example, Tanner, Henry S. is followed by eighteen locaters. Entries are not consistent; John Melish and Henry S. Tanner are each the subject of a chapter, but those page numbers are not listed in the index, while the page numbers of Rand McNally & Company, also the subject of a chapter, are listed.

These annoyances are far outweighed by the excellence of the writing and the wealth of information assembled, interpreted and presented in an attractive style. For anyone interested in the development of mapping and cartography in the United States this book is a valuable and welcome source.

Arthur H. Robinson,
Mt. Horeb, Wisconsin

Catalogues Received

W. GRAHAM ARADER III, 1000 Boxwood Court, King of Prussia, Pennsylvania 19406, USA. Tel: (215) 825 6570 *Catalogue No. 52. The Art of the Portolan. Summer 1985.* \$6 in USA. 40pp., 16 entries with notes, a bibliography and introduction. Each chart is illustrated in colour. A series of 16 charts by Juan Oliva (c.1600), coloured and heightened in gold. They include the four continents, the Mediterranean and its islands.

– *Portraits of the World. The Murphy Collection.* 73pp., 58 entries, 64 ills (11 in colour). The catalogue of world maps and globes was prepared for an exhibition at the Sheldon Memorial Art Gallery, University of Nebraska-Lincoln in 1981. Each exhibit has extensive notes and there is an introduction and index. A price list is enclosed.

IVAN R. DEVERALL, Duval House, The Glen, Cambridge Way, Uckfield, Sussex TN22 2AB, England. Tel: (0825) 2474. *Antique Maps Autumn 1985.* 10pp., 130 entries, 52 ills. Half the entries are of the British Isles, the foreign section includes 13 maps of Australia.

ROBERT DOUWMA Prints & Maps, 4 Henrietta St, London WC2E 8QU, England. Tel: (01) 836 0771. *New in stock list 13 September 1985.* Folding brochure with 317 entries, 14 ills. A range of prints, including views of Japan, Jerusalem and Amsterdam and English county



maps by Seller.
INTERCOL London Ltd, 1A Camden Walk, Slingshot Green, London N1 8DY, England. Tel: (01) 354 2599. *Antiquarian Maps of the World. Antiquarian Map List No. 2 Summer 1985.* 52pp., 1083 entries, a book list and index. An additional 16pp. with 90 ills. Half the entries are maps of the British Isles.

O & E LAKE Ltd, 106 Berkeley St, Toronto, Canada M5A 2W7. Tel: (416) 863 9930. *Catalogue No. 74 New World: Americana before 1800.* 82pp., 387 entries with notes, 13 ills. Mainly books, a few atlases.

OLD NEWSPAPER & MAP MAIL AUCTION, 5614 Northfield Rd, Bethesda, Maryland 20817, USA. Tel: (301) 657 9074. *On Top of the World that was Catalog No. 27 Closing Date Sept. 20, 1985.* 40pp., 467 entries, 16 ills. A catalogue inviting postal bids for old newspapers and maps of all parts of the world. The catalogues are issued about every two months.

ORBIS TERRARUM Antique Maps and Prints, 3 Parkvedras Terrace, Truro, Cornwall TR1 1Q2, England. Tel: (0872) 77928. *Catalogue 1985/2 Africa, Middle & Far East, Australasia.* 41pp., 429 entries, 51 ills.

BERNARD QUARITCH Ltd, 5-8 Lower John St, Golden Square, London W1R 4AU, England. Tel: (01) 734 2983. *Catalogue 1050 America Australia The Pacific A selection of books offered for sale on the Americas, the Pacific Ocean, Australia and the Far East, including Japan.* 1985. 77pp., 90 entries with notes and a bibliography, 23 ills.

MONIKA SCHMIDT, Türkenstr. 48, 8000 München 40, W. Germany. Tel: (089) 28 42 23. *Landkarten-Kunstwerke aus vier Jahrhunderten.* 33pp., 345 entries, 1 ill. Maps and views of all parts of the world shown at an exhibition in Munich, July-October 1985.

HENRY SOTHERAN Ltd, 2, 3, 4 & 5 Cockville St, Piccadilly, London W1X 2DP, England. Tel: (01) 734 1150 & 734 0308. *An Exhibition Catalogue of Buck's Perspective Views of near one hundred Cities and Chief Towns in England & Wales by Messrs. Samuel and Nathaniel Buck.* 43pp., 83 entries, all illustrated.

THOMAS SUAREZ, 2142 Broadway, New York, NY 10023, USA. Tel: 212 877 7468. *Isoteric cartographicum A catalogue of fine rare books spanning 1501 to 1906.* Catalogue vii, 1985. Has some interesting and unusual material. Included among the American items are volumes containing a chart of Cape Cod and an As map of Upper Manhattan.

illustration. Contains no articles specifically related to cartography but has a useful list of recent publications relating to Canada and book reviews. Annual subscription rates: Institutions Can. \$30; individual Can. \$19; student Can. \$14. Add an extra \$3 for orders outside Canada. **FACSIMILE MAPS FROM THE JOHN CARTER BROWN LIBRARY.** (Published and available from The John Carter Brown Library, Box 1894, Providence, Rhode Island 02912, USA.) A catalogue listing facsimiles of the maps in the Library's Blathwayt Atlas. These maps were working tools for colonial administrators and show the areas of English overseas colonial and commercial interest, especially in the Western Hemisphere. The facsimiles are all priced, some are in colour and sepia, some black and white. Not priced.

THE BOOK OF MAPS OF THE CITY OF DUBLIN CITY SURVEYORS 1695-1827. An annotated list with biographical notes and an introduction by *Mary Clark, B.A. Dip. Archival Studies, Archivist, Dublin Corporation.* (Published by Public Libraries Department, Dublin Corporation, and available from City Hall Daw St, Dublin 1983.) A history of a collection of late seventeenth, eighteenth and early nineteenth century maps produced by successive city surveyors for the municipal authority, Dublin Corporation, and preserved with the Corporation's Archives at City Hall, Dublin. Irish £3, St. £2.50.

CENTRALNY KATALOG. Zbiórów Kartograficznych w Polsce (Central Catalogue of Cartographical Collections in Poland). The fifth volume prepared by an editorial committee headed by Professor Kazimierz Dziekonski. (Published by Polska Akademia Nauk, Instytut Geografii i Przestrzennego Zagospodarowania Ossolineum 1983) pp. 109, no illustrations. This catalogue in Polish and English is accompanied by a set of facsimile maps of Polish territories both in their historical boundaries (before 1772) and as they are now. Only multi-sheet maps have been included starting with Henneberger's map of Prussia of 1576 up to the 1:100 000 German map published in sheets from 1858 to about 1879. The material for the catalogue was collected from fifty-one public cartographic collections in Poland. ISBN 83-04-01592-7. Cena cz. 1-2 zł 3500.

THE MARINER'S MIRROR BIBLIOGRAPHY FOR 1983. The International Journal of the Society for Nautical Research. *Compiled by M. Patrick, M. S. Partridge and S. Ville.* (Published by the Society for Nautical Research, 1984. Available from National Maritime Museum, London SE10 9NF). An annual bibliography, arranged alphabetically, covering the subjects: naval

history, mercantile history, nautical archaeology, biography, voyages and travel, the development of nautical sciences, ports and harbours, art and weapons and artefacts. pp 10, no illustrations ISSN 0025-3359. Sent free with membership to the Society for Nautical Research.

PICTURES AND PICTURE FRAMING AT PRINTED PAGE by *Christopher Wright.* (Published by Printed Page and available from them at 2-3 Bridge Street, Winchester, Hampshire). A list of the framing services provided. pp 16, no illustrations. Price 30p.

THE MAP ROOM AND ITS SERVICES. Catalogue issued to coincide with an exhibition 'I'd Like a Map' at the National Library of Scotland in Edinburgh. (Published and available from Map Room, National Library of Scotland, Annexe, 137 Causewayside, Edinburgh EH9 1PH, 1984) pp.36, illustrated. ISBN 0 902220 61 6.

MAPS AND CHARTS PUBLISHED IN AMERICA BEFORE 1800. A bibliography. By *J. C. Wheat and C. F. Brun.* (Published by Holland Press Ltd, 1985. Also available from Map Collector Publications (1982) Ltd.) This is a reprint of Wheat and Brun's well known bibliography originally published by Yale University Press in 1969. Christian Brun has since then written a new preface and added bibliographical material on several printed maps of America not included in the original listing. Included are not only the maps and charts published separately in America prior to 1800 but also those used as illustrations in books and pamphlets from all other sources such as atlases, gazetteers, almanacs and magazines. This is an attractive reprint forming Volume 3 in the Holland Press Cartographia series. Well printed on good paper but disappointing illustrations. pp. 215, black and white illustrations. Price £32 incl. p&p from TMC.

THE MAPPING OF AUSTRALIA AND ANTARCTICA. Second Revised Edition by *R. V. Tooley with an index compiled by Douglas Matthews.* (Published by Holland Press Ltd, 1985. Also available from Map Collector Publications (1982) Ltd.) This is a reprint of Mr. Tooley's earlier book *The Mapping of Australia* published in 1978 but it now includes the Antarctica listing and has been updated. Attractively produced with 256 black and white illustrations. pp. 649. Price £38 incl. p&p from TMC.

THE STUDY AND CONSERVATION OF GLOBES by *A. D. Baynes-Cope* (Internationale Coronelli-Gesellschaft, Postfach 68, Schwindgasse 6, A-1041 Vienna, 1985). pp. 80, with 18 diagrams in the text, and 19 ills. Though small, this book contains a wealth of information about the varying structures of globes and their repair. There is a glossary of English-German terms used in conservation. (Available from Map Collector Publ. (1982) Ltd. £6.50 inc. p+p).

Publications Received

TOPOGRAPHIC MAPPING OF THE AMERICAS, AUSTRALIA, AND NEW ZEALAND by *Mary Lynette Larsgaard.* Published by Libraries Unlimited, Inc. P.O. Box 263, Littleton, Colorado 80160-0263, USA 1984 pp. 180, three maps, no other illustrations. Provides an overview of the history and current status of topographic mapping in 24 countries. The maps included in this survey are restricted to official, publicly available civilian (or military) contoured maps. Each must be part of a series intended to cover an entire nation and at a scale of 1:250,000 or more detailed. The first section of the book looks at the history of the topographic map. ISBN 0-87287-276-9. \$45 (USA), \$54 elsewhere.

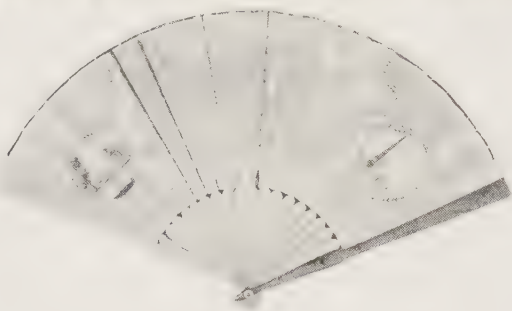
THE CANADIAN HISTORICAL REVIEW. Co-editors *J. L. Granatstein, Douglas McCalla.* Published by University of Toronto Press, Toronto, Canada M5S 1A6, 1984) pp.312, 1

Quote for the Day

'The superfluous irritates me sharply . . . However, it is sometimes necessary to repeat what all know. All mapmakers should place the Mississippi in the same location, and avoid originality. It may be boring, but one has to know where he is. We cannot have the Mississippi flowing towards the Rockies for a change.'

(Saul Bellow, *Mr. Sammler's Planet*. Taken from *Cartophilia*.)

Cartographical Curiosities 25



This fan-map of London, published by Ringwood & Wilkinson, was recently purchased by the Guildhall Library. In addition to the map and the key the design on the front incorporates two small views. These represent some buildings adjacent to Buckingham House on the left, and the obelisk and turnpike at St. George's Fields on the right. Peter Jackson, a collector of London prints and maps, has identified the engravings as being mirror images of prints by Laurie & Whittle in *Six Well Known Views of London*. On the reverse

of the fan there is a long list of coach fares from various points in London to 'the principal places of pleasure'. These inevitably include Vauxhall Gardens, Astley's Circus, Sadlers Wells, and Ranelagh.

Ringwood & Wilkinson were fanmakers at 4 Crown Court, off Cheapside in the City. They were active in the 1780s. James Elliot reports that the British Library has a fan on which appears a map of Paris. Are any other fan-maps known to readers?

Another State of Uncertainty!

Madam,

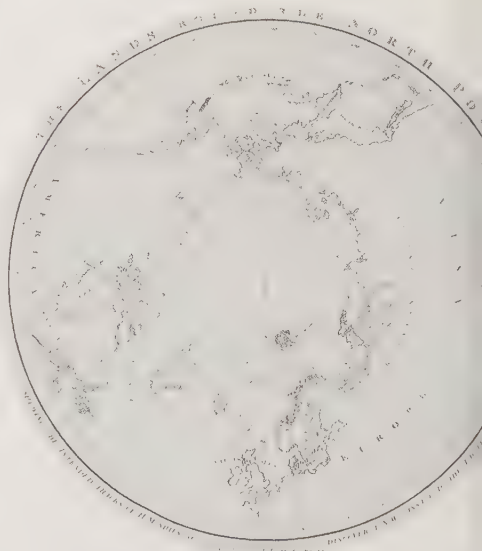
Possibly due to the splitting on two pages of the chronological list of states in my short article 'States of Uncertainty . . .' in the September issue of *The Map Collector* the reference to the [1910] state not the 1909 state, should be followed by the note in parentheses concerning its issue in the London edition of Peary's *The North Pole*.

As many writers doubtless know, no sooner has their work gone to print than a new piece of information turns up. At the beginning of August I came across an additional item to those noted under Reference 3 at the end of my article. An eighth map published on May 1, 1818 has emerged (see illustration). It is titled 'The Lands round the North Pole shewing the Intended track's of H.M. Ships, to discover a N.W. Passage to the Pacific Ocean.' It was engraved by J. Walker for *A Brief Description of Nova Scotia . . . with Plates of the Principal Harbours . . .* by Anthony Lockwood, sold by Cadell and Davies.

This, incidentally, is a completely different map both in size and content from the other one by J. Walker noted under October 20. Its intentional issue in a book about Nova Scotia is perhaps a little more credible – although, as many readers will be generous enough to admit, not necessarily as obvious – than the inclusion of a chart of Cork Harbour in a book on a voyage to the African coast, which I discovered in August 1983. Taken to its logical conclusion this means that no cartobibliography can possibly ever be 'complete' but this is not an original thought. I should add, however, that this Arctic map does not appear in the British Library nor Royal Commonwealth Society Library copies of the book.

Readers may already be aware of my interest in the firm of Edward Stanford. Jerry Post writes recently that his family 'broke down and bought a new Siamese cat to replace one we had for fourteen years . . . The male we did get has been named "Stanford" after the London map establishment where Sherlock Holmes procured his maps of Dartmoor . . . Stanford is proving a wild cat.'

Francis Herbert
Map Room
Royal Geographical Society
London



(By courtesy of the Royal Geographical Society)

LETTERS TO EDITOR



Francis Galton's 'Beauty Map.'

Madam,

It has come to my attention that a countryman of yours, Francis Galton, who lived from 1822 to 1911 and was a cousin of Charles Darwin, constructed a 'beauty map' of the British Isles by a method described in D. W. Forrest's *Francis Galton: The Life and Work of a Victorian Genius* (London: Paul Elek, 1974) p. 183 as follows: 'Galton's method . . . was to measure whatever and whenever he could. Sometimes his efforts in this direction appear slightly ludicrous and assume a kind of "counting mania" common among those with obsessional difficulties. For example, one cannot help suspecting the involvement of a defensive mechanism in his attempt to construct a "beauty map" of the British Isles. He concealed in his pocket a cross of paper and a pricker. Every girl he passed who appeared above average in beauty was recorded by pricking a hole in the upper end of the cross, the average lookers were recorded on the cross arm and the ugly on the long lower arm. From a sample of various cities he reached the conclusion that the incidence of pretty girls was highest in London and lowest in Aberdeen!'

Although in no way *personally* interested in this item, and not to date having found a call from our UK-bound researchers for such a map, a good readable photocopy could be an interesting addition to our own and others' map collections. (Curators should not wait until an item is requested but should anticipate such a demand).

I would assume London rather than Aberdeen would be the place to look for copies, should these exist?

Edward H. Dahl
National Map Collection
Public Archives of Canada

Madam,

The account by me of the exploration of the Solomon Islands in Issue 31 raised some points which require further comment.

Hendrik and Andries de Leth's map of c. 1730 marks the small islands of St. Christophe and St. Jacques as lying off the eastern end of Guadalcanal. They can be identified respectively with Mendaña's San Cristoval (the bulk of the island) and its northern portion, mistakenly taken to be a separate island (Santiago). The De Leths were probably following another French geographer, Pierre du Val, who similarly marked them on his map of 1679 (as redrawn by Hinton on Map XXXI in his monograph, referred to in the article in question).

No better example of the utter confusion as to the true position of the Solomons in the eighteenth century could be found than depicting as two small islands what was the eighty-mile-long San Cristoval, separated by forty miles of open sea from Guadalcanal.

R. A. Lever
Ashted
Surrey
50



In the centre of the picture is the village marked Quare on Speed's map of Wiltshire.

The Mystery of Quare

Madam,

John Booth, in his book *Looking at Old Maps* refers to the John Speed map of Wiltshire 1611 and in particular to the reference to the fictitious Wiltshire village of Quare. It is referred to as being in place of the village of North Burcombe. He goes on to say that Roger Baynton-Williams provides an interesting account of the error on page 9 of his book *Investing in Maps*. It appears that Saxton marked the village without naming it. Speed later used Saxton's map for reference and, intending to query the place name, marked the map accordingly. This was overlooked and his notation was engraved on the new Speed map! The error was perpetuated by other map makers until corrected by Bowen nearly a century and a half later.

The question remains, why did Speed mark his map with the reference 'Quare'? Was there ever a settlement worthy of recording at this location? Certainly there is now no settlement hereabouts although Burcombe church does lie to the north of the river Nadder and it has an Anglo-Saxon chancel. Quare is a latin word and as a conjunction means, why, wherefore, or for which reason and *quero* means to ask. These latter words may be of significance in trying to resolve this puzzle.

It is also of interest to find that *quare* was a word of great significance in the early development of our legal system, and related to the Writ of Trespass. There were, in fact, three separate writs encompassing the word *quare*. Firstly there was the Writ of *Quare Clausum Regit* and this lay in respect of 'a broken close,' that is a trespass to land. Secondly, there was the Writ of *Quare ejecit infra terminum* and this writ was available to the lessee against purchases from the lessor and the lessor and his heirs and enabled him to recover the land in these circumstances. Thirdly, there was the Writ of *Quare impedit*, an ancient writ which lies by him who in being in possession of an advowson if a church is disturbed in his presentation of it.

Is it possible that when Saxton (or his surveyor) was in the Burcombe area he was the subject of receipt of a writ of *Quare Clausum Regit* for either accidental or deliberate trespass? Or did he hear of such a writ having been issued and recorded the information on his survey map? Did the surveyor hear about a writ of *Quare ejecit infra terminum* or a writ of *Quare impedit* as he was about his business and as such recorded a note on the plan?

It is likely the surveyor would not normally know or hear of such writs, and if told about one, or even served with one, would be anxious to record it. If he did hear of such a writ and he decided to record it, what better way was there

than recording it in the area where it became known?

Reference has been made to the latin meaning of the word *quare*. It may be the surveyor was skilled in this language and genuinely wished to question something he found on the ground, hence he marked his map with the word Quare. The intention may have been to record the particular point and for it to be resolved later – which, of course, in the event did not take place.

The mystery cannot be resolved as to why this word appears on the Wiltshire maps of John Speed, but what is set out above gives possible explanations as to why the word was recorded. It should be remembered that in Saxton's time it is unlikely the name of the whole writ would be known to local people – the full name would only be used by lawyers and the Courts, and the knowledge of the writ would be known by word of mouth, therefore, it is likely to have been no more than Quare.

What is set out above are possible explanations of this mystery, and it is suggested that either are capable of acceptance.

G. F. McDonic
Trowbridge,
Wiltshire.

Past Plenty for Greenwich

Madam,

The interesting article by Jenny Wetton on the treasures in the National Maritime Museum at Greenwich expresses surprise that they were assembled in less than fifty years.

From 1920 to 1950, atlases were in plentiful supply and prices low especially of sea atlases. For example:—

Admiralty charts 5 volumes folio	1923 £10
2 volumes 44 charts	1985 £484
Bordone Isolario	1929 £25
	1985 £1,980
Bremond and Michelot	1923 12 shillings
Goos Sea Atlas	1933 £32
	1940 £90
	1952 £160
	1983 £8,500
	1984 £28,500
Dudley's Arcano	1946 £1,000
	1948 £900
	1985 £38,500
Jeffery's West Indian Atlas	1926 £4.10
	1928 £6
	1940 £10
	1985 £2,700
Bellin Petit Atlas Maritime	1940 £21
	1946 £58
	1983 £3,500
Waghenaer	1962 £1,500
	1985 £17,000

R. V. Tooley
Norfolk

'L'Amérique Septentrionale, 1700'

Madam,

In issue number 31, you published a letter from Lucie Lagarde, of the Bibliothèque nationale, Paris, concerning the article in issue 26 that I co-authored with Seymour Schwartz. That article concerned the discovery of a previously unrecorded state of Delisle's map of North America, 1700, that clearly had primacy over all others. After the publication of the article, an example of this formerly unnoticed first state turned up in the collection of the Indiana



Historical Society, and now another has apparently been located in the Bibliothèque nationale.

I am most grateful to Lucie Lagarde for calling this additional copy to my attention, but found one point in her letter to be confusing or in error. She states that she found four states of the map in the Bibliothèque nationale; 'the first one seems to be another copy of the [previously unrecorded] first state. Owing to alterations in the title and address, it is possible to find out which different state it is, in spite of their same date: 1700.'

This latter statement is incorrect in so far as the distinction between the first and second states is concerned. Both of these states bear identical 'title and address', as well as date: 'L'Amérique septentrionale dressée sur les observations de Mrs de l'Académie royale des sciences et quelques autres et sur les Mémoires les plus recens Par Guillaume de Lisle géographe A Paris chez l'Auteur Rue des Canettes prez de Saint Sulpice Avec Privilège du Roy pour 20 ans. 1700.' The distinction lies solely in their respective geographical content. Thus Lucie Lagarde's 'Second State', with the address 'Chez l'Auteur sur le quai de l'Horloge a la Cour de Diamans . . .', and the additional imprint below the cartouche of L. Renard, Amsterdam, can be no earlier than the third state.

A helpful reference for determining the various states of this map is R. V. Tooley's 'French Mapping of the Americas . . .', which forms chapter one of *The Mapping of America*. Tooley does not note the true first state, but lists as the first the true second, with identical title and address. It is interesting to note that he was unable to locate a copy of the map with the 'Quai de l'Horloge a la Cour de Diamans' address. Thus, the first few states of this map can be summarized in the following manner: State One (not noted by Tooley, Lagarde State One); State Two (Tooley State One, not noted by Lagarde); State Three (?) (no copy known to Tooley; Lagarde State Two); State Four (Tooley State Two, Lagarde State Three); State Five (Tooley State Three, not noted by Lagarde); State Six (Tooley State Four; Lagarde State Four).

Henry G. Taliaferro
King of Prussia, Pennsylvania

Errata

On page 53 of Issue 32 the constellation Hercules was attributed, in error, to Julius Schiller. The photograph should have been captioned as being the map of the constellation Hercules from Johannes Hevelius' atlas *Firmamentum Sobiescianum Sive Uranographia* (Danzig, 1687).

Cartochronology, or helpful hints on how to get a date

By Tony Campbell

PRESUMABLY ALL READERS of *The Map Collector*, whether scholars, collectors, curators, dealers or just plain cartophiles, have been frequently faced with the problem of assigning an undated map to a plausible period. Different situations call for different approaches. If you are lucky, somebody else has already done the work and it is just a matter of running the right bibliographical or cartobibliographical reference to earth. Following biographical leads can be particularly rewarding. Information about the careers of surveyors, mapmakers, engravers and publishers often helps to pare away at the lunatic fringes of dating suggestions. Not that the literature is free from instances of cartographic geniuses who apparently produced work before their tenth birthday and others who continued hale and hearty decades after their death.

Heraldry, whether personal or national, and the portraits of dignitaries that typically embellish seventeenth century maps, are always worth checking out. Watermarks, except when they incorporate a date (as with Whatman paper from about 1790 onwards), tend to offer more problems than solutions. Booksellers' catalogues and newspaper advertisements remain valuable, if underused sources. Chronograms (disguised dates formed of jumbled-up Roman numeral letters) occasionally occur on maps. The context in which a map is found (particularly if a manuscript) can often provide pointers to date, as can its provenance. The art-historical approach, or the layman's, 'it feels early eighteenth century', rounds off this very summary and incomplete list of the possible ways of attacking an undated map.

As will probably have been noticed, the previous paragraphs were concerned with peripheral elements, not with the map's core, its cartographic content. To provide a structured chronological index to that content is the primary aim of the Cartochronology Project, launched at the Eleventh International Conference on the History of Cartography in Ottawa last July.

There is nothing remotely original in the use of internal evidence to fix one side of the possible time bracket for an undated item. If, for example, a map names Savannah in Georgia, it can be confidently dated after the town's foundation in 1733. The corollary, that any map lacking Savannah must predate its creation, is unjustified, however. Allowance always needs to be made for cartographic time-lag and for the copying of copies. But a *terminus a quo*, a 'later-than-date', does at least give one fixed point. To find a specific piece of information, like Savannah's foundation date, is easy enough and the history of cartography is littered with dating estimates obtained in this way. But even if many local or regional historians have an encyclopedic knowledge of their own area, they seldom publish a chronology for others to use. Are they always sure, indeed, exactly which of the several hundred names on an average map emit dating signals? To search in a gazetteer (usually arranged in dictionary order, not by area or date) involves a ruthless pre-selection, given the number of possibly relevant place-names. Those chronologies that do exist have been prepared for other purposes and list little information that is likely to show up on maps.

So the Cartochronology Project was conceived. It is designed to be an international pooling of specialist regional knowledge, complemented by systematic searches through a wide range of reference sources. Its aim can be simply expressed: to provide on a regional basis, separate chronological lists containing all types of information that might help to date the content of any sort of cartographic document. Its exclusive concern with content needs to be underlined.

No information that tended towards this end would be spurned but it is anticipated that the entries will be of two main types, each with subsidiary elements. First would be changes in

Below:

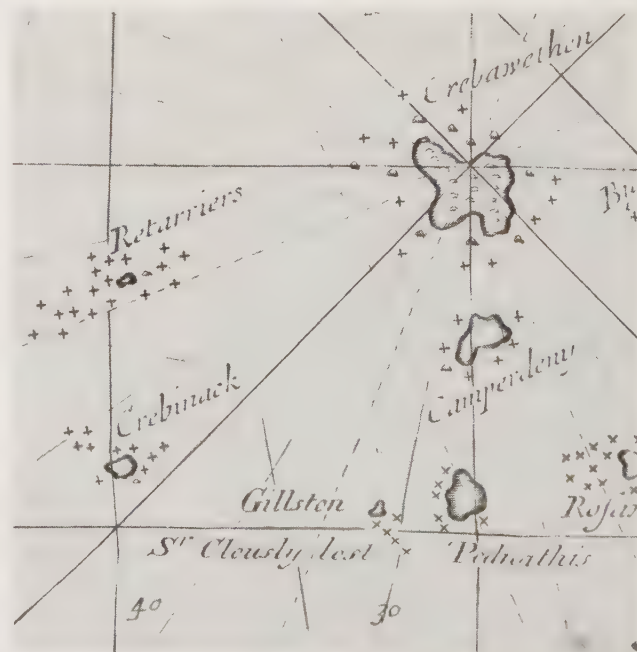
Greenville Collins' chart of the Scilly Isles shows how biographical information can help date a map. Certainly used in its original 1693 form by the British admiral Sir Cloudesley Shovell, its later versions mention his shipwreck in 1707, as can be seen in this detail from the lower edge of the chart (By courtesy of the British Library).

Right:

Probably the biggest of the man-made alterations that show up on maps produced between 1500 and 1900 were the Dutch drainage schemes of the early seventeenth century. On this 1630 Hondius map of North Holland a number of polders (reclaimed areas) can be made out: Zijpepolder (drained 1597), Beemster (1607-12), Purmer (1617-22) and Wormer (1624-6). De Waert (1625-31) is shown partially reclaimed, but not Schermer (1631-5) (By courtesy of the British Library).

Below right:

It is the foundation and spread of settlement that offer the greatest choice of datable facts. Fort Kasimier, built by Peter Stuyvesant on the Delaware River in 1651, was added to the second state of Visscher's map of New England, but the presence of Philadelphia, also shown on this detail, provides a 'later-than' date of 1682, when the Quakers started laying out their city (By courtesy of the British Library).





man's knowledge of the world or perception of it, through discovery, exploration, or theorising. Respective examples would be Le Maire's discovery in 1616 of the Cape Horn passage and of the strait named after him, the exploration of the Coppermine River in northern Canada by Hearne in 1771-2, and the mistake which turned California into an island on maps produced after 1622. Topographical or hydrographical surveys could also be recorded if they are precisely datable, provided they can be described or illustrated.

The second broad category of datable cartographic information would concern alterations to the *real* world through natural events or man's activities. Instances of the less usual first element might be documented deviations in river courses and, specifically, the eruption of Krakatoa in 1883. The second element, the developing human geography of our planet, will certainly provide the lion's share of datable cartographic features. Changes to a country's actual shape, as brought about, for example, by Dutch reclamation schemes, are noteworthy but exceptional. The most prolific source for the cartochronology will undoubtedly be the foundation and spread of settlements, like the Savannah example already mentioned. This will apply especially to the regions beyond Europe, where the pioneers arrived within relatively recent history.





Although it does not specifically say so, John Thornton's map of St Helena celebrates the English recapture of the island from the Dutch in 1673. The ships at the bottom of the sheet are those of Richard Munden, commander of an East India Company fleet which is shown attacking James Fort (now Jamestown) (By courtesy of the British Library).

Also valuable would be documentation on the spread of communications – roads, canals, railways and telegraphs. The nineteenth-century railway explosion will of itself form a valuable part of the chronology's more recent sections; though it will always need to be remembered that railways were often added to maps before their construction. Indeed, a number were mapped but never built.

Other pointers to date will derive from political geography, through the creation, renaming, or redefining of local, provincial or national entities. In addition, cartographic innovations – when, for example, the first contours were shown on maps, when lithography was invented, which map was the first to demonstrate a particular projection, and so on – could form a separate section.

While any limits are restrictive, it would be unrealistic to leave the scheme open-ended, both in terms of compilation time and the size of the ensuing publication. It is therefore proposed that the date span should be 1500-1900, with a possible extension to 1930. To exclude the strictly local element from what is an international project, it is envisaged that information should be considered only if it is likely to show up on maps drawn at scales of about 1:5 million (approximately 80 miles to the inch). In those regions of higher population density, particularly Europe, or where significant political change occurred at a local level, as happened in Germany, larger scales would probably have to be considered. Nevertheless, much of the information that has dating potential – examples would be railways or eighteenth-century North American forts – has a high 'cartographic profile', well in excess of its actual impact on the ground.

While it would be premature to describe the anticipated shape of the eventual publication, it seems clear that this would comprise a series of distinct regional chronologies, supplied with adequate place-name and subject indexes. The user's approach could therefore be by date, via a specific place or

event, or through one of the indexed themes. Similarly, the information could be read across the columns to reveal occurrences throughout the world at one time, or down a single column to provide a general picture of developments in a particular region.

The anticipated benefits can be summarized thus:

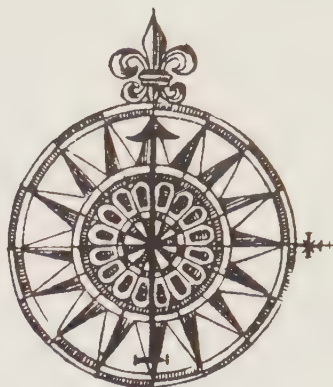
- To provide the earliest possible date (*a terminus a quo*) for an undated map, thus fixing one side of the time bracket.
- To detect maps whose date is a lie – those which have been amended without alteration of date or, more commonly, whose date has been altered but nothing else.
- To test whether a dated map was up to date. If it proved to be uneven in this respect, that could help in identifying the different sources used.
- To enable the first systematic assessment of cartographic time-lag (the period between an event and its appearance on maps) by relating dated maps to the cartochronology.
- To give cartobibliography an enlivening shot of history. The two elements have been generally kept resolutely apart, lists of map states and lines of historical events marching in parallel without so much as a sideways glance.
- It is possible that forgeries will be betrayed by means of identified anachronisms.

If it is to succeed, the Cartochronology Project must attract widespread support from volunteers around the world. A number of people expressed their readiness to assist at the Ottawa conference and a general invitation will go out shortly when, it is hoped, the International Cartographic Association will have given its official backing to the scheme. If anyone is prepared to assist, or would like moral support in creating their own local cartochronology – for example for an English county or a small part of the United States – please write to the author at the Map Library, The British Library, Great Russell Street, London WC1B 3DG.

THE CARTOPHILE

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Collectors' Barometer

A continuous record of important items sold in auction.

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 the hammer price)

B J.L. Beijers, Achter Sint Pieter 140, 3512 HT Utrecht

26-7 Feb 85; 18 Jun 85. Premium 18%

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

17 Jul 85. Premium 8%

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

25 Jan 85; 19 Jul 85. No Premium

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

4-8 Jun 85. Premium 15%

ONM Old Newspaper & Map Mail Auction, 5614 Northfield Rd, Bethesda, Maryland 20817

12 Apr 85; 21 Jun 85; 20 Sep 85. No Premium

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

27 Jun 85; 25 Jul 85. Premium 10%

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

16-20 Apr 85. Premium 15%

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

5 & 19 Feb 85; 2-3 May 85; 27-8 Jun 85; 30-1 Jul 85. Premium 10%

Sp Sotheby's, Pulborough, W. Sussex RH20 1AJ

11 Jul 85. Premium 10%

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

20 Jun 85. Premium 10%

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

20 Jun 85. Premium 10%

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

19 December

Christie's South Kensington (special Holy Land sale)

11 January

Galerie Simonson, Chaussée de Charleroi 227, 1060 Brussels

23 January

Phillips

21 February

Christie's South Kensington

27 February

Phillips

20 March

Phillips

21-2 March

Jochen Granier, Welle 9, 4800 Bielefeld 1

end March

Christie's

15-19 April

Reiss & Auvermann

18 April

Christie's South Kensington

28-30 April

E. & R. Kistner, Weinmarkt 6, 8500 Nuremberg

Exchange rate for this report (January to June and then September)

£ = \$1.11 to 1.275 and 1.34

£ = DM3.50 to 3.88 and 3.87

£ = f3.965 to 4.38 and 4.36



In this *Collectors' Barometer* we are featuring maps of Palestine. Between January and September several copies of 'Situs Terrae Promissionis' by Hondius and by Jansson after Adrichom were sold in Auction Houses in Germany, England and the United States. The decorative detail makes it a particularly attractive map for collectors

TLASES

ARCLAY, J. Universal Dictionary [Moule maps]. London, 1848

Frontis., two titles (damp stained and affected by worm), world maps, col. in outline (21), county maps (50), eng. plts. and ports., etc., marginal damp stains throughout, lacks last leaves of Appendix, disbound, 4to. Sold not subject to return.
Ta 20 Jun 85 lot 401 £540

Another edition [Moule maps]

Title, two portraits, 55 maps and plans, disbound and loosely inserted in a modern album; sold not subject to return.
Cs 19 Jul 85 lot 97 £400

Another edition

Front., title, 46 maps, 14 portraits and plans, some spotting, diced cf rubbed, 4to.
P 27 Jun 85 lot 368 £506

ELLIN, J. N. Le Neptune François, vol. I [France]. Versailles, 1753-[55]

Allegorical title, 36 charts on 37 mapsheets, the first coloured in outline, some surface dirt and one or two inkstains, contemporary green reversed calf, worn [Pastoureaux, p. 355 (an edition with 29 charts only); cf. National Maritime Museum Catalogue 3, p. 236], large folio (650 by 475mm.).

Includes a World chart on the Mercator projection (dated 1755), and two charts of the St Lawrence estuary (dated 1753-1754) both in early states with the separate lodomere overprint
S 27 & 28 Jun 85 lot 68 £2200

ERTIUS, P. Tabularum Geographicarum Contractarum. Amsterdam and Arnhem, 1600

4 parts in 1 vol., title, "Victoria" plate, 170 miniature maps and plates engraved by Pieter van den Keere and Jodocus Hondius (of 169: the general map of Asia repeated at Z²), without the dedication leaf a^o, the plate "Arcis Britannica" pasted over the map of Brittany (which is repeated from F^o) small hole in map of Hungary, several maps transposed relative to letterpress, faint dampstaining throughout, but a sound copy otherwise, small stamp on title and at end obliterated, contemporary calf, gilt rules, fleur-de-lys corner ornaments and oval centre ornaments, neatly repaired, ties [Koeman II, Lan 4: Nordenskiöld Collection 1:26; edition not in Phillips, Atlases], oblong 8vo, WIDE MARGINS.
S 27 & 28 Jun 85 lot 70 £1155

LAEU, J. Atlas Maior, vol. 9 [Africa]. Amsterdam, 1662

2 Tle. in 1 Bd. 2 kol. Titelvignetten, 1 kol. alegor. Titelkupfer, 34. kol. Kupferkarten, 7 Ansichten (davon 3 gef. Ansichten). Pgt. d. Zt. m. Rücken-u. Deckelverg. Ganzgoldschnitt. Fol. 3 nn. Bll., XXV, 93 165S. Koeman I. Bl 56. -- Vollständiges Exemplar -- Altkol. meist breitrandige Karten. Vorderer Deckel geringe lockert. Bl am Bund verstärkt u. durchgehend etwas stärker gebräunt o. braunfl. Vorderer Vorsatz entfernt. Titelbl. m. kl. Randeinriß.
D 6-8 Jun 85 lot 423 DM3680

LOME, R. Description of the Four Parts of the World. London, 1670

Title, privilege and dedication leaves, 16 maps coloured in outline in a contemporary hand, engraved dedication leaf at Travel supplement, engraved initials and headpieces in the text, one or two short tears at additional folds without loss, occasional faint discoloration or soiling mostly affecting the text, but generally A FINE COPY, contemporary calf [Wing B3214; Sabin 5968; Shirley 455], folio.
S 27 & 28 Jun 85 lot 79 £1815

ONNE, R. Atlas Maritime . . . de France. Paris, [1762?]

Coloured title, dedication and 31 coloured maps and plans, (a few short splits at fold), contemporary French red morocco gilt, g.e., 12 mo.
C 17 Jul 85 lot 13 £373

see Raynal, G. T. F.

AMDEN, W. Britannia, [Kip & Hole maps]. London, 1610

FIRST EDITION of Holland's translation, additional title (incorporating a map of Britain), 57 maps, 8 plates, illustrations in the text, one or two minor repairs without loss of engraved surface, occasional faint staining, but GENERALLY A FINE COPY WITH BROADER MARGINS THAN USUAL, fine early nineteenth-century diced calf, gilt panelled spine with bands of black, the Wyatt Edgell copy [Skelton 6; STC 4509], folio (330 by 217mm.).
S 27 & 28 Jun 85 lot 99 £3300

Another edition [van den Keere maps] Amsterdam, Blaeu, 1617

Printed title, 46 miniature maps, errata at end, without the portrait of Camden (see note), the maps in fine, dark impressions and neatly hand-coloured in outline, faint marginal waterstain touching one or two engraved surfaces, contemporary vellum, gilt arms of Baron Redwitz of Bavaria [Riesticap II, p. 536] on upper cover, ties [Chubb 10 (45 maps); Skelton 12], 8vo. Skelton is in error in calling for a portrait of Camden (with the imprint of George Humble), for the copy that he describes has a portrait inserted at a later date. He notes that at the time of publication the plates were still in the possession of Blaeu.

Chubb does not call for a portrait. The map of Midia (in Ireland) was not included in the subsequent so-called "miniature Speed" editions.
S 27 & 28 Jun 85 lot 101 £1540

Another edition [Kip & Hole maps], 1637

Second edition of Holland's translation, title incorporating map of the British Isles, 57 maps, 8 plates, illustrations in the text, title and several maps repaired affecting engraved surface, extensive damp-staining, modern calf gilt backed boards [Skelton 23; STC 4510] (folio (325 by 222mm.).
S 30 Jul 85 lot 985 £880

Another edition [Morden maps], 1695

Portrait, 2 maps, folding maps, 5 plates, 47 county maps, 3 with small tears, and another plate, all engraved, corner of last leaf of index missing sl. affecting text, contemp calf, lacks spine, with 5 maps by Morden from this edition loosely inserted, folio.
Sp 11 Jul 85 lot 1583 £628

Another copy

Port., coin plates, 50 maps, Scotland, Northumberland and Staffordshire torn and repaired, England lacking small portion of lower left-hand corner, one leaf of text torn lacking some text, cf. rebacked, folio.
P 25 July 85 lot 445 £715

Another copy

Folio, portrait pasted down on verso upper cover, 49 maps only, several shaved, seven plates, lacking title, old calf worn; sold not subject to return.
Cs 19 Jul 85 lot 182 £620

Another edition [Morden maps], 1753

2 vols., portrait, plates, illustrations in the text and 51 maps (occasional minor foxing, edge of title to vol. I just dampstained), contemporary sprinkled calf (rebacked), [Chubb cxv], folio.
C 17 Jul 85 lot 18 £1050

CELLARIUS, C. Geographia Antiqua. Rome, 1774

Title, frontispiece and dedication, 35 maps, small stamp on title and elsewhere, modern boards [cf. Phillips, Atlases 24], oblong folio (440 by 585mm.).
S 31 Jul 85 lot 1043 £330

CHÂTELAIN, H. A. Atlas Historique. Amsterdam, 1718-21

7 vol., vol. I, third edition, vol. II and III, second edition, vol. IV, [second edition?], vol. V-VII, first edition, 5 allegorical titles, 3 half-titles, printed titles in red and black, 274 plates, including maps, views, natural history subjects, genealogical tables, military orders, medals and coins, occasional slight browning, contemporary calf, spines gilt showing armillary sphere devices in compartments, rubbed [cf. Koeman II, Ch 2-8 (collation differs); Phillips, Atlases 548], folio (450 by 285mm.). Vol. 6 contains a fine copy of the celebrated "Carte tres curieuse de la Mer du Sud" [Wagner 511; Tooley, MCS 8:80], Vol. IV, dated 1718, is an edition apparently not recorded by Koeman, calling for editions in 1714 and 1735 only.
S 27 & 28 Jun 85 lot 117 £4840

COASTING PILOT England . . . Holland . . . France. London, Mount & Page, 1751

Title with royal arms, 17 charts, one or two small tears without significant loss, small wormhole touching two centre-folds, occasional dust-soiling, contemporary calf, worn [edition not traced in Phillips, British Library (1757 edition only), or National Maritime Museum], folio (468 by 300mm.).
S 27 & 28 Jun 85 lot 118 £935

COLLINS, G. Great Britain's Coasting Pilot. London Collins for Mount, 1693

2 parts in 1 vol., FIRST EDITION, additional titles to both parts, printed titles, 48 plates all coloured in outline in a contemporary hand, with in addition a double-page map of England and Wales by P. Leu (see note), occasional faint discoloration, but A FINE LARGE COPY, ON THICK PAPER, NARCISSUS LUTTRELLS COPY WITH MANUSCRIPT CONTENTS LIST, AND MAP TITLES ON VERSO OF EACH CHART IN HIS HAND, AND HIS CIPHER STAMPED ON FIRST PRINTED TITLE (DATED 1693 BENEATH), contemporary blind-panelled calf, worn, rebacked [Verner, MCS 58; National Maritime Museum Catalogue 3:335; Tyacke 236], folio (522 by 345mm.).

As noted by Verner, some early copies contain charts in their earlier forms: the present copy contains at least three of these, They are (in sequence): 1: plate 12 (Verner 5: Portland Bill), which appears to be an intermediate state between 1 and 2 showing the sandbanks mentioned, but with the alteration of the lower left corner of the plate. 2: [unspecified plate] (Verner 45: St George's Channel), in state 1. 3: [unspecified plate] (Verner 46: River Avon), which appears to be an earlier form still of Verner's state 1 before the addition of the dedication cartouche, and possibly a proof state therefore. The large folding chart of the English Channel (chart 6 in this copy) appeared this edition only.

The additional map, by Philip Lea is his 'The Natural Shape of England' [c.1695], a separate publication, in an early form showing several town symbols without town names. The issue with these names added is occasionally seen in Lea composite atlases. Although the map is neither

lettered or numbered on the verso by Luttrell, it appears at the head of the manuscript contents list, unnumbered, immediately before the first numbered entry. The British Library assigns the date 1695 to the map. The Pendarves copy, sold in our Rooms, May 4, 1936 lot 52.
S 27 & 28 Jun 85 lot 120 £3740

Another edition. London, Mount & Page, 1745

Sixth edition, additional title, printed title, 50 plates, some browning and faint waterstaining, contemporary blind-panelled calf, worn [Verner, MCS 58; National Maritime Museum Catalogue 3:336], folio (510 by 315mm.). The chart of the Scilly Isles has the appended printed description by Abraham Tovey, which was added in 1738.
S 27 & 28 Jun 85 lot 119 £3080

COLOM, J. A. XVII Nederl. Provincien. Amsterdam, 1635

Oblong 1ge 8vo. Bound, 37 maps (of 47) and 2 plates of the counts of Brabant and Holland. First edition. -- (Lacks: title, the 2 general maps, map of "Comitatus Namurci", of Delfland, of Zeeland, Utrecht, Ooster- en Westergoe, Sevenwolde, Drenthe, and the plates of the counts of Flanders).
B 18 Jun 85 lot 127 f1534

CORONELLI, V. M. Morea, Negropont, and . . . Thessalonica. Gillyflower and Canning, 1687

FIRST EDITION IN ENGLISH, 42 plates (including maps, plans and views), advertisement leaf at end, occasional faint dust-soiling, contemporary calf, skilfully rebacked [Wing C6342 (four copies only); Tyacke 139], 8vo. A RARE TRANSLATION. It was first published at Venice in 1685, and in France a year later.
S 27 & 28 Jun 85 lot 130 £748

DRAYTON, M. Poly-Olbion. London, 1622

FIRST COMPLETE EDITION, 2 parts in 1 vol., part I, third issue, part II, first issue (without Drayton's name on printed title), allegorical title (printed verses facing), plate showing Prince Henry with a lance (state II, lettered 'Henricus Princeps'), 30 allegorical maps, four maps in part I just shaved at nealines, skilfully re-margined, one or two small rust marks in the text, but generally A FINE TALL COPY, WITH THE MAPS IN DARK IMPRESSIONS, brown morocco by Bedford, gilt ruled and panelled with corner pieces of acorns enclosing centre ornaments, g.e. [Skelton 9 and 13; Hind II 22; STC 7228 and 7230; Pforzheimer 309], folio (297 by 180mm.).
S 27 & 28 Jun 85 lot 154 £2750

FLINDERS, M. A Voyage to Terra Australis. 1814

3 vol. including folio atlas. FIRST EDITION, 9 PLATES IN THE TEXT, 2 COASTAL PROFILES, 10 BOTANICAL PLATES, 16 MAPS AND CHARTS, two charts with tears repaired, two other marginal tears repaired, half-titles, text vols. original boards, uncut, skilfully rebacked in calf, atlas vol. red half calf, A FINE COPY [Ferguson 176; Sabin 24758; Hill p. 106], 4to and folio.

Three charts listed by Tooley, Australia (1979) 570, 580, and 582 are not found in this copy, but have been replaced by revised issues dated 1829, 1824, and 1824 respectively.
S 27 & 28 Jun 85 lot 169 £4400

FREYGINET, L.-C. de S. de. Voyage de Découvertes aux Terres Australes. Atlas, part II. Paris, 1811

Title, printed index leaf, 14 detailed coastal charts, A FINE, UNCUT COPY, WITH PRESENTATION INSCRIPTION TO THE AUTHOR'S BROTHER: "A MONSIEUR HENRI DE FREYGINET" on front fly-leaf, original boards [Tooley, Australia (1979), pp. 82-84], folio (590 by 430mm.).
S 27 & 28 Jun 85 lot 174 £2420

FRICX, E. H. Des Pays Bas et des Frontières de France. Brussels, 1712

Title with contents, 27 maps, 47 plans (library stamp in blank margin of title, a few maps & plans and some versos), contemp. roan backed boards (worn) [Koeman II, Fri 1], folio.
C 17 Jul 85 lot 35A £326

GORDON, P. Geography Anatomized. London, Morden & Cockeril, 1693

18 maps by Morden, contemporary calf, spine gilt with tools of the golden fleece, from the Library of George Baillie with his signature on the title and with his bookplate (dated 1724), A FINE COPY [Wing G1287; Tyacke 234; Sabin 27991 (third edition); Shirley 503], 8vo.
S 27 & 28 Jun 85 lot 189 £506

HERRERA Y TORDESILLAS, A. de. Novus Orbis, sive Descriptio Indiae Occidentalis. Amsterdam, 1622

Additional title incorporating a map of the Americas, 16 maps and the large chart of the Pacific, 5 illustrations in the text, occasional faint browning, vellum boards [Sabin 31540 (noting 4 illustrations only); Alden 622.70], folio. Bibliographies contain conflicting statements regarding a portrait of Le Maire in some copies. In Sabin's descriptions the portrait is called for only in the French translation.
S 27 & 28 Jun 85 lot 203 £2090

Another copy

Additional title, 16 maps, large chart (defective), 5 illustrations in the text, some damp-staining throughout, calf [Sabin 31540; Alden 622.70], folio
S 31 Jul 85 lot 1268 £550

HONDIUS, J., see Bertius, P.

JANSSON, J. Atlas Novus, vol. 4 [British Isles]. Amsterdam, 1659
Allegorical title and 55 (of 56) maps (a few maps and text discoloured), later green roan-backed boards (joints splitting; slightly rubbed), folio
Maps as in the Latin edition of 1646 (see Koeman II Me 152). Captions in Latin; text in Dutch. The missing map is no. 28 Derby
C 17 Jul 85 lot 41 £3732

[JAPAN]. Ao Tokei, Pseudo Ao Motonor, Ko Kugan zen zu. 1828
41 Holzschnitt-Karten. Umschl. d. Zt. Blockbuchbindung. 4^r
Enthält eine Übersichtskarte von Japan u. 40 Detailkarten. Jede Karte ist von 2 Holzstöcken gedruckt. - Einige Blt. mit kl. Wurmspuren, teilw. auch in der Darstellung. Umschlag mit leichten Gebrauchsspuren.
D 6-8 Jun 85 lot 420 DM 8050

JEFFERYS, T. The West-India Islands. London, Laurie & Whittle, 1799-[1801]
Title incorporating index, 19 maps with imprints dated between 1794 and 1801 (18 only called for: the additional map of Trinidad entered in manuscript at end of index), finely coloured in full throughout in a contemporary hand, modern green half morocco [edition not in Phillips, Atlases (but cf. 3946, with 18 maps only)], large folio (545 by 390mm.). 1. West Indies; 2. Jamaica [Kapp, MCS 42:101]; 3. Ruatan; 4. Hispaniola; 5. Virgin Islands and the Lesser Antilles; 6. St Christopher [Tooley, MCS 81:43]; 7. Antigua [Tooley, MCS 55:36]; 8. Guadeloupe; 9. Dominica [Tooley, MCS 62:5]; 10. Martinique; 11. St Lucia [Tooley, MCS 81:22]; 12. Barbados [Campbell, MCS 21:38]; 13. St Vincent [Tooley, MCS 81:6]; 14. Bequia; 15. Grenada [Tooley, MCS 62:28]; 16. Tobago; 17. Turks Islands; 18. Curaçao; 19. Trinidad [Tooley, MCS 10:6].
S 27 & 28 Jun 85 lot 220 £3300

JOHNSTON, A. K. The National Atlas. Edinburgh, 1843
First edition, title, 46 maps, neatly coloured in outline, one or two short splits, but generally a clean copy, half morocco, gilt, rubbed, g.e. [cf. Phillips, Atlases 4323 (second edition only)], folio (545 by 360mm.).
S 31 Jul 85 lot 1056 £440

KEERE, P. van den, see Bertius, P., Camden, W., and Speed, J.

LAET, J. de. Novus Orbis seu Descriptionis Indiae Occidentalis Libri XVIII. Leiden, Elsevir, 1633
FIRST EDITION IN LATIN, half-title, engraved title, 14 maps, numerous woodcut illustrations, occasional light browning, contemporary vellum, morocco gilt label on spine [Sabin 38557; Streeter 37; JCB II, p. 246; Alden 633.165; Asher 3], folio. Among the maps is one of the earliest prototype depictions of the Spanish possessions in the Gulf of Mexico. A prototype map of New England is included, one of the first to name Manhattan (shown as 'Manbates') [Stokes II, 141].
S 27 & 28 Jun 85 lot 146 £3300

LEVASSEUR, V. Atlas National Illustré des 86 Départements et des Possessions de la France. Paris, Combette, 1851
Titel, 1 gest. Statistik. 100 gest., grenzkolor. Karten nach V. Levasseur u. 1 gef. Übersichtskarte. HLdr. d. Zt. Quer-Fol. Rücken beschabt, die Übersichtskarte m. hinterlegten Einrissen, etwas fingerfleckig.
D 6-8 Jun 85 lot 422 DM 1150

LINSCHOTEN, J. H. van. Itinerario. English ed. London, 1598
FIRST EDITION IN ENGLISH, title, 3 divisional titles each with an inset engraved map (World map on title to part III), 13 maps, 4 woodcut maps in the text, blank leaf Qq⁴ at end, one or two small flaws or rust holes affecting letters, small piece torn from lower corner of Cc² without loss, small wormholes at inner margin of a few leaves, but GENERALLY, A FINE COPY, contemporary blind-ruled calf, gilt centre ornaments on upper and lower covers, morocco gilt label and tools on spine, bookplate of Sir Charles Edmund Isham of Lamport, enclosed in modern half morocco box [STC 15691]; Church 32; Sabin 941374; Streeter 32; National Maritime Museum Catalogue 1:20; JCB I, p. 362], folio (288 by 185mm.).
The large folding World map is the same as that used in the first edition of Hakluyt's *Principal Navigations* [Shirley 167], while that on the title to the third part is a twin-hemispherical map after Hondius (1592), engraved by William Rogers [Shirley 216].
S 27 & 28 Jun 85 lot 391 £11.550

- Another edition. French ed. Amsterdam, 1638
3 parts in 1 vol., third edition in French, part I, title, portrait of van Linschoten, 10 maps and perspective views, 30 views, 1 map; part II, LE GRAND ROUTIER DE MER, title; part III, DESCRIPTION DE L'AMERIQUE, title showing inset views, 1 map, TOGETHER 42 MAPS AND VIEWS, one or two slight tears without loss, occasional faint soiling, but generally A VERY GOOD COPY, WITH GOOD MARGINS, vellum boards, worn [Sabin 41373; JCB II, p 271], folio (310 by 202mm.)
The maps in this edition include Plancius' twin-hemispherical World map (1594) [Shirley 187], and the van

Langren maps of the Indian Ocean, the East Indies and South America.
S 27 & 28 Jun 85 lot 392 £5720

MERCATOR-HONDIUS. Atlas Minor. English ed. London, 1635
FIRST EDITION IN ENGLISH, FIRST ISSUE, allegorical title dated 1635 (with printed verses facing), 182 maps, Picardy pasted over a map of Perche Comté at Cc⁴ (the latter reappearing correctly at Ff⁵), the map of Zeeland repeated at Ffff⁴ (as usual, see errata at end), apart from occasional minimal waterstains, small ownership inscription at head of title, inscription on front fly-leaf, contemporary calf, head of spine skilfully repaired [STC 17824; Phillips, Atlases 4255 (second issue); Koeman I, p. 549], folio (297 by 195mm.).
A REMARKABLY FINE COPY, WITH WIDER MARGINS THAN USUAL. The Ralph Hall map of Virginia is not present in this copy: as the errata states "there is no Map for Virginia in regard there is a more exact Map drawing in that Country, whose Platforme is not yet come over, but when it comes, every buyer of the Booke shall have it given him gratis." Hall's map was not ready until 1636, and is found in the more common second edition of 1637 pasted over the duplicate map of New Spain.
S 27 & 28 Jun 85 lot 273 £3300

MOLL, H. [Atlas Minor. London, 1763]
2 parts in 1 vol., 60 (of 64) maps, coloured in outline, many defective; Templeman (T.) A New Survey of the Globe, title and 35 plates, disbound [cf. Phillips, Atlases 635 (without Templeman's Survey)], oblong 4to.
S 31 Jul 85 lot 1040 £308

- [A Set of Fifty . . . maps of England & Wales. London, 1724]
35 (of 50) county maps, without title, occasional dust-soiling, contemporary calf, defective [cf. Chubb CLX1], 4to.
S 30 Jul 85 lot 986 £462

MOULE, T., see Barclay, J.

MÜNSTER, S., see Strabo

Ogilby, J. Africa. London, 1670
Half-title "English Atlas, Tome the First", allegorical title, printed title, general map, 43 maps, plans, views and natural history subjects (including the Tangier plan engraved by R. White), 9 other plates (some showing two subjects), 46 illustrations in the text, 8 printed tables, one or two short tears skilfully repaired, some natural flaws affecting letters, small marginal wormholes towards end neatly infilled, plate at pp. 244-245 a little short, contemporary calf, skilfully rebucked preserving gilt spine, a tall copy [Wing O163; Mendelssohn (1979) 3, p. 571; van Eerde, p. 99 ff.; Tooley, Africa, p. 87], folio (420 by 270mm.).
The first volume of Ogilby's planned 'English Atlas'.
S 27 & 28 Jun 85 lot 289 £2200

- Asia. London, 1673
Allegorical title, printed title, general map (not called for in directions to binder, and not present in all copies), 32 maps and views, 30 illustrations in the text, several errors of pagination, small natural flaw in N³ affecting letters, brown stain on Ff², occasional discoloration elsewhere, contemporary mottled and panelled calf, gilt, spine elaborately gilt, upper joint cracked, the Brownlow copy, with his bookplate and small inscription "JB: Jan: 27. 1673" on front fly-leaf [Wing O166; van Eerde, pp. 119-121], folio (415 by 270mm.).
S 27 & 28 Jun 85 lot 291 £1320

ORTELIUS, A. Theatrum Orbis Terrarum. Spanish text. Antwerp, 1588
Title within border, portrait of Ortelius, 100 mapsheets, lacking leaf A⁴ at end, one or two splits at centre-folds without loss, one or two text headlines just shaved, some waterstaining affecting a few maps, a few marginal repairs, but generally good impressions throughout, modern spinkled calf, gilt [Koeman III, Ori 23], folio (420 by 285mm.).
S 27 & 28 Jun 85 lot 297 £4950

- Another edition. Latin text. Amsterdam, 1595
3 parts in 1 vol., title, portrait, Catalogus Auctorum with 170 names, and 110 (of 115) mapsheets; Parergon, title, 30 (of 32) mapsheets; Nomenclator ptolemaicus, title, together 140 mapsheets, FINELY COLOURED IN FULL THROUGHOUT IN A CONTEMPORARY HAND, one or two minor repairs without loss, occasional faint browning, modern calf, elaborately gilt [cf. Koeman III, Ori 29], folio (422 by 285mm.).
S 27 & 28 Jun 85 lot 298 £9350

- Epitome. Latin text. [Antwerp, 1601]
2 parts in 1 vol., Epitome, 110 maps; Additamentum Epistolae, 13 maps, fully coloured in a contemporary hand, lacking first title and dedication leaf, occasional light browning, calf, slightly worn [Koeman III, Ori 63; Phillips, Atlases 3404], oblong 8vo.
S 27 & 28 Jun 85 lot 295 £1650

- Another edition. Latin text. [Antwerp, 1601]
2 parts in 1 vol., Epitome, 108 (of 110) maps;

Additamentum, 13 maps, parts of Additamentum transposed, wanting title and preliminaries to first part, occasional light browning, modern half calf, worn [cf. Koeman III, Ori 58], oblong 8vo.
S 31 Jul 85 lot 1037 £990

- Another edition. English text. London, 1603
2 parts in 1 vol., dedication to Sir Walter Raleigh, printed titles, 123 maps, 2 diagrams in the text, a few letterpress headlines just shaved, one or two annotations in ink in a contemporary hand, modern blue morocco, by Sangorski & Sutcliffe [cf. Phillips, Atlases 3407; Koeman III, Ori 65 (quoting the Phillips copy)], oblong 8vo.
123 maps as called for in the index; Phillips 3407, although calling for 124, clearly collates 123 (i.e. 110 + 12); Koeman, describing the same copy, repeats the Phillip collation.
S 27 & 28 Jun 85 lot 296 £1980

OWEN, J. & E. BOWEN. Britannia Depicta. London, 1720
FIRST EDITION, third issue, title (catalogue verso) and two leaves of index, 273 pages of road maps, occasional faint browning, but A FINE COPY, ON THICK, LARGE PAPER [Hodson 151; issue not in Chubb], 8vo.
S 27 & 28 Jun 85 lot 300 £715

- Another edition, [c. 1720]
548 maps on 274 sheets, all loose, some duplicates.
P 25 July 85 lot 485 £330

÷ Another copy
494 maps on 247 sheets, all loose, some duplicates.
P 27 Jun 85 lot 486 £308

PORCACCHI, T. L'Isole piu Famose del Mondo. Venice, 1576
Second edition, architectural title, 47 maps inset in the text, title (repaired) and a few leaves waterstained, occasional discoloration elsewhere, but the maps in fine impressions, contemporary red Venetian morocco, gilt, worn, g.e. gaufered [Phillips, Atlases 167; Nordenskiöld Collection 2:187; Sabin 64149; Shirley 127 and 128], 4to.
S 27 & 28 Jun 85 lot 322 £1540

PTOLEMY, C. Geographia [ed. Servetus]. Lyons and Vienne, 1541
Second Servetus edition, title, 27 maps of the ancient World, 22 maps of the modern World and 1 map of Lotharingia on verso of map 46, most with text on versos within plain ruled borders, occasional discoloration, one or two small wormholes, but generally a good copy, eighteenth-century calf, spine gilt [Nordenskiöld Collection 2:211; Phillips, Atlases 366; Sabin 66485; Shirley 48 and 49], folio (382 by 275mm.), A TALL COPY.
S 27 & 28 Jun 85 lot 327 £4400

- Another edition [ed. Ruscelli]. Venice, 1574
3 parts in 1 vol., 65 maps after Gastaldi, diagrams in the text, one or two small wormholes at centre-folds of a few ptolemaic maps, occasional offsetting, modern vellum, gilt [Nordenskiöld Collection 2:220; Phillips, Atlases 381; Sabin 66504], 4to.
S 27 & 28 Jun 85 lot 328 £1650

- Another edition [ed. Magini]. Venice, 1598
2 parts in 1 vol., titles, 27 maps of the ancient World, 37 of the modern World, mostly inset in the text, occasional spotting, contemporary calf, spine gilt, rather worn [Nordenskiöld Collection 2:226; Phillips, Atlases 405; Sabin 66506], 4to.
S 27 & 28 Jun 85 lot 329 £1375

RAYNAL, G. T. F. [Atlas . . . de globe terrestre. Geneva, 1780]
Title, index, 45 (of 49) maps occasional light dust-soiling, a few annotations, contemporary boards, worn [cf. Phillips, Atlases 652], 4to.
S 31 Jul 85 lot 1044 £418

REILLY, F. J. J. von. Schauplatz der fünf Theile der Welt, I part. Vienna, 1791
1. Teil, 1 Vordertitel, 1 Tit. u. 94 Bl., grenz- und flächenkol. Kart. OHldr. quer-fol.
Titelblt. mit Bleistift bezeichnet: OZ (Otto Zeilinger).
Schöne breitrandige u. fleckenlose Kart., Einbd. gering beschädigt. Mit 2 Ex Libris von Zeilinger.
D 6-8 Jun 85 lot 444 DM 2760

ROBERT DE VAUGONDY. Atlas Portatif Universel et Militaire. Paris, 1769
Title, 197 (of 209) maps, fully coloured, title and a few maps defective, some discoloration throughout, boards [edition not in Phillips, Atlases, but cf. 608], oblong 4to.
S 31 Jul 85 lot 1041 £550

SANSON, N. [L'Europe, l'Asie, l'Afrique, l'Amérique. Paris 1683]
4 Tie. in 1 Bd. Mit 59 (von 62) Karten. Späterer HLwdbd. Kl.-4^o. S. 13-52, 1 Bl., 98S., 82S., 1 Bl. Phillips 494. - Sabin 76712. Titel u. S. 1-12d. Abschnittees über Europa fehlen. Zu Beginn Karten u. Text mit kl. Randläsuren u. Einrissen. Durchgehend etwas braunfleckig. 2 gef. Karten mit hinterlegtem RiB. Besonders die Amerika-Karten in gutem Zustand.
D 6-8 Jun 85 lot 445 DM1150

SEILER, J. [Atlas Minimus. London, Senex & Price,

before 1706?
*Title, 51 maps, 50 tables, 48 pages of text, contemporary calf, spine gilt, slightly worn, Hopetoun bookplate [edition not in Phillips, Atlases (but cf. 490, an edition of [1679]), Sabiu or British Library], 12mo. RARE. The imprint suggests a date of publication between Trinity and Michaelmas 1706, when Charles Price was in partnership with John Senek and apparently Jeremiah Seller. The present edition may be that listed in their catalogue issued c.1705, described as "A new System of Geography, with Tables explaining the Divisions of each Map". [Iyacke (S.J.) *London Map Sellers* (1978), p. 136, and pl. 15, illustrating the catalogue; also Thrower (N.J.W., ed.) *The Compleat Plattmaker* (1978), p. 150]. The World map appears to be re-issue of Seller's map of c.1680, now naming the island of California [cf. Shirley 497]. Including the World and the map of the North Pole, thirteen maps relate to the Americas.*
S 27 & 28 Jun 85 lot 352

£1705

IMMONS, M. Description & Plat of the the Sea-Coasts of England. London, Simmons for Jenner, 1653
2 charts (the first shaved to plate-mark at one margin, skilfully strengthened at folds), title a little soiled, one or two side notes just shaved, nineteenth-century olive morocco, elaborately gilt [Wing D1139], 4to. COPIES WITH BOTH CHARTS PRESENT ARE RARE.
S 27 & 28 Jun 85 lot 148

£880

PEED, J. England Wales Scotland and Ireland Described, "Miniature Speed" [van den Keere maps]. London, 1627
First edition, title (cut round and mounted), engraved Catalogue and 60 maps (of 63: wanting the British Isles, Ireland and Ulster), the folding map torn affecting engraved surface, small wormhole touching a few plates, occasional soiling, seventeenth-century ownership inscriptions in ink on front paste-down, calf, worn [Skelton 17], oblong 8vo
S 30 Jul 85 lot 984

£418

A Prospect of the Most Famous Parts of the World . . . England Wales Scotland and Ireland Described, "Miniature Speed" [van den Keere maps]. London, 1646 and 1627
Title incorporating index, 20 maps; title, catalogue, 63 maps [Skelton 17]; 2 works in 1 vol., a few small defects repaired (occasional loss of engraved surface), light soiling or discoloration, later limp calf, oblong 8vo. Although listed in the index, the map of 'Midia' is not present in the second work. It was not included in this or subsequent editions.
S 27 & 28 Jun 85 lot 388

£902

Another edition. London, Rea, 1668 and 1666
Title, engraved Catalogue and 63 maps; title, 20 maps of all parts of the World, together 2 works in 1 vol., parts frayed and skilfully repaired, faint browning, modern calf, g.e., BROAD MARGINS [edition not in Chubb or Phillips, Atlases, but cf. Skelton 86; Wing S 4878], oblong 8vo. Rea's edition of the so-called "miniature Speed" is the MOST RARE: Wing locates only six copies.
S 27 & 28 Jun 85 lot 390

£1100

TRABO, Rerum Geographicarum. Basel, Petri, 1571
Title, 27 maps (after Münster) and 6 smaller in the text (after Hontler), some browning throughout, marginal worming affecting a few leaves of text, small ownership inscription and erasures (one affecting last line of imprint) on title, modern vellum boards [cf. Phillips, Atlases 3390; Nordenskiöld Collection 2:287], folio.
S 27 & 28 Jun 85 lot 366

£605

HOMSON, J. A New General Atlas. Edinburgh, 1817
Dedication, plate of mountains, 74 coloured maps (map of England defective, Europe torn, title soiled, lower outer corners dampstained and flaking), contemp. calf (rebacked; very worn), large folio.
C 17 Jul 85 lot 74

£1458

Another edition, 1821
Dedication, tables, 65 (of 74) mapsheets coloured in wash and outline, damp-staining throughout (but less so in the American section), contemporary half calf, defective [cf. Phillips, Atlases 750], folio (545 by 420mm.).
S 31 Jul 85 lot 1051

£352

VEIGEL, J. C. Atlas Portatilis Germanicus. [Nuremberg, 1733]
37 kol. Karten u. 1 kol. Meilenzeiger. Ppb'd, d. Zt. 8". Titelbl. entfernt. Karte XXX doppelt. Mit Widmung u. Verzeichnis d. Karten v. alter Hand a. d. Vorsatzbl. Einbd. gering beschabt.
D 6-8 Jun 85 lot 452

DM2300

VYTFLIET, C. Indes Orientales et Occidentales. Douai, 1605
2 parts in 1 vol., FIRST EDITION IN FRENCH, FIRST EDITION WITH ANTONIO MAGINI'S SUPPLEMENT, engraved title with pasted on slips, 19 maps and 4 smaller on one mapsheet, one map neatly repaired at neckline, occasional light browning or faint marginal waterstains, contemporary calf, rebacked preserving gilt spine [Nordenskiöld Collection 2:309; Sabiu 105699; Phillips, Atlases 1143], small folio.
S 27 & 28 Jun 85 lot 416

£4180

VAHN, J. Specula Physico-Mathematico-Historica.

Nuremberg, 1696
3 vol., FIRST EDITION, half-title to vol. 1, 3 frontispieces, first printed title, 3 portraits, 57 plates and maps, browning throughout, a few wormholes affecting text and one or two plates, portion cut from margins of frontispiece and title of last vol., contemporary calf, worn [Warner, p. 267], folio (vol. II slightly shorter).
S 27 & 28 Jun 85 lot 417

£715

ZATTA, A Atlante Novissimo. Venice, 1775-85
5 vol., 5 titles, 216 MAPSHEETS finely coloured in outline throughout, all embellishments fully so, one or two showing faint discoloration, contemporary marbled paper boards [cf. Phillips, Atlases 650, 651], oblong folio (405 by 540mm.) and folio (405 by 270mm.) text volume.
S 27 & 28 Jun 85 lot 418

£6050

A Selection of maps of Palestine and views of Jerusalem sold in auction between January and September 1985

Anonymous, mid-late 18th century
A Map of the Divisions and the Situations of the Tribes of the Canaanites, Moabites, Ammonites, Midianites, Edomites, Amalekites and Company, before and at the time of Y Exodus of Y Children of Israel. 29 × 27cm: margins trimmed; verso blank. Colored in outline; notations for towns and mountains. Margins slightly chipped, slight soiling. English. "S. W. Sculp." engraved in border
Sw 20 Jun 85 lot 184

\$44

Adrichom, C. [Amsterdam, c.1690?]
Chorographia Terrae Sanctae, in two sheets, joined, with illustrations of Old Testament artifacts and a small inset plan of Jerusalem (after Villalpando), a fine copy, 325 by 840mm
S 2 & 3 May 85 lot 317

£605

– **[Cologne, 1590]**
Dimidia Tribus Manasse, 22 × 45cm; right margin trimmed close to plate mark; verso blank. Colored in outline; notations for towns, mountains, Biblical events. Faint impression in one area.
Sw 20 Jun 85 lot 173

\$154

– **[Cologne, 1590]**
Tribus Zabulon Isachar et Dimidia Manasse, 35½ × 39½cm; full margins; verso blank. Notations for towns, Biblical events, mountains. Hand-colored in outline. Faint impression in one area.
Sw 20 Jun 85 lot 174

\$220

Blaeu, W. & J. Amsterdam, 1629 [but 1662]
Terra Sancta quae in Sacris Terra Promissionis olim Palestina, orientated west to the top of the sheet, extending from the Red Sea to Sidon, finely coloured in outline, Latin text on verso (and with a leaf of text), faint marginal browning otherwise a fine copy, 384 by 487mm.
S 2 & 3 May 85 lot 300

£715

– **Another edition [1662]**
Coloured in outline, 15½in. × 20in., German text on verso.
Cs 19 Jul 85 lot 53

£280

Bonne, R. Paris, [c.1770]
Regions in the New Testament, 12" × 17". Outline color. Title cartouche. Covers the eastern Mediterranean Basin and the Near East, with insets of the Holy Land and a plan of Jerusalem at the time of Jesus.
ONM 20 Sep 85 lot 420

\$15

– **Paris, [c.1762]**
(Carte des Douze Tribus D'Israel), 12" × 17". Outline color. Decorative cartouche uncolored.
ONM 21 Jun 85 lot 366

\$55

Briet, P. 1641
Palestinae Delineatio ad Geographiae canones revocata, engraved map, 16in. × 21½in.
Cs 19 Jul 85 lot 54

£160

Cole, H. London, 1572
[Canaan], general map of Palestine, extending from Beirut to the Nile delta and showing the course of the Wanderings, extensive careful marginal restoration and at upper centre-fold without loss of map detail, light surface dirt, 355 by 475mm, framed and glazed

THE FIRST KNOWN MAP ENGRAVED AND SIGNED BY AN ENGLISHMAN, Humfray Cole
"Goldsmith A English Man born in y^e North and pertayning to y^e Mint in the 'lower' (c.1520-1591), whose only known engraved work it is. Published in the folio edition of the Bishop's Bible [STC 2107], printed by R. Jugge (whose rebus appears in the upper right-hand corner) in 1572, the map also bears the arms of Lord Burghley, appointed Lord Treasurer in 1572. The map detail itself is based largely upon the Tilemann Stolz outline which appeared in the Ortelius Theatrum in 1570 [Hind I, pp. 79-80 and pl. 45].
S 2 & 3 May 85 lot 295

£1320

Colton, J. H. New York, 1857
Palestine, 14½" × 12". Fully colored. Marginal stain enters border at one point.
ONM 20 Sep 85 lot 418

\$10

Danckerts, T. Amsterdam, [1690]
Judea sive Terra Sancta (after Sanson 1658), showing the twelve Tribes either side of the Jordan, neatly coloured, faint discoloration, 516 by 575mm.
S 31 Jul 85 lot 1297

£198

De la Rue, P. [c.1646]
Topographia accurata Terrae Promissae per sorte: Terre Sainte Moderne, on two sheets, coloured in outline, overall 18½in. × 28in.
Cs 19 Jul 85 lot 50

£170

Dunn, S. London, Sayer, 1774
The Holy Land, 13" × 19". Outline color. A little faint offsetting.
ONM 20 Sep 85 lot 416

\$37

Goeree, J. [Paris, 1699]
Intervalla Locorum Palaestinae, 27½ × 28½cm; left margin trimmed close; verso blank. Colored in outline; fully colored title cartouche flanked by travelers reading a map, coins, navigational devices, and a sheep; itinerary notations. Margins slightly foxed, 7cm tear entering image at left; tape-mended on verso.
Sw 20 Jun 85 lot 178

\$110

Homann, J. B. [c.1716]
Judea seu Palestina, coloured, 20in. × 23in.
Cs 19 Jul 85 lot 58

£100

– **Nuremberg, [1737?]**
Judea seu Palaestina ob sacratissima redemptoris vestigia hodie dicta Terra Sancta, 48½ × 56½cm; good margins; verso blank, coloured; uncolored engraved title cartouche of Moses receiving the Ten Commandments; partly colored inset at lower right with text, "Populi Israelitici ex Aegypto per Desertum in Terrarum Promissionis . . ."; small scale cartouche and key. Light browning at center fold line from previous tape on verso. Cf. Phillips 5966, No. 122.
Sw 20 Jun 85 lot 179

\$275

Hondius, H. Amsterdam, [1633]
(Situs Terrae Promissionis . . .), 14¾ × 19¼". Map in outline color. All decorative features, including an ornate garland of fruits and flowers extending across the top, are fully and beautifully colored. French text on back. An extremely decorative map in fine condition.
ONM 12 Apr 85 lot 347

\$275

– **Another edition**
Kte. v. Chr. Adrichom Mit gr. Blumen- u. Früchtebordüre mit fig. Staffage, Ou.-fol. 1m Bug gering fleckig.
RA 16-20 Apr 85 lot 4270

DM690

– **Another edition**
AltKol. Ou.-fol. Gebräunt u. etwas stockfleckig. Oben in der Kart. kl. Rostloch mit Japan hinterlegt.
RA 16-20 Apr 85 lot 4271

DM667

Jansson, J. [1650]
Situs Terrae Promissionis . . . per chr. Adrichom, coloured, 14½in. × 19½in., verso blank.
Cs 19 Jul 85 lot 41

£280

– **[1650]**
Tabula Itineraria Patriarcharum Abrahami, Isaaci et Jacobi, 15½in. × 20in., verso blank.
Cs 19 Jul 85 lot 42

£100

– **[c.1660]**
Von 7 Platten gedruckte Kupf.-Kte. aus dem „Atlas antiquus“. Mit Darst. biblischer Ereignisse im Kartenbild u. 2 kl. Nebenkarten in den oberen Ecken (diese jeweils mit ornament. Umrahmung). 84,5:177 cm, nicht zusammengesetzt. Bei den einzelnen Bll. einige leichte Wasserränder bis in die Bilder; die Buge tlw. mit geglätteten Knickfalten u. hinterlegten kl. Löfflein durch ercutes Einfalzen. – Seltene Riesenkarte ohne Gesamtittel, auf den einzelnen Bll. nur oben die jeweiligen Stammesgebiete angeben, diese Schriftleiste entfällt jedoch beim Zusammensetzen. Die von 1 Platte gedruckten beiden linken Abschlußstücke sind auseinandergeschnitten u. an die entsprechenden Anschlüsse angesetzt; die Gesamtkarte liegt somit in 6 Bll. vollständig vor.
RA 16-20 Apr 85 lot 4272

DM2070

Johnson & Ward, New York, 1862
15" × 12", fully colored. Inset plan of Jerusalem uncolored. Incorporates a view of Damascus.
ONM 20 Sep 85 lot 419

\$13

Johnston, A. K. Edinburgh [c.1880]
Palestine, 23½" × 19½". Outline color. A little very minor spotting.
ONM 21 Jun 85 lot 368

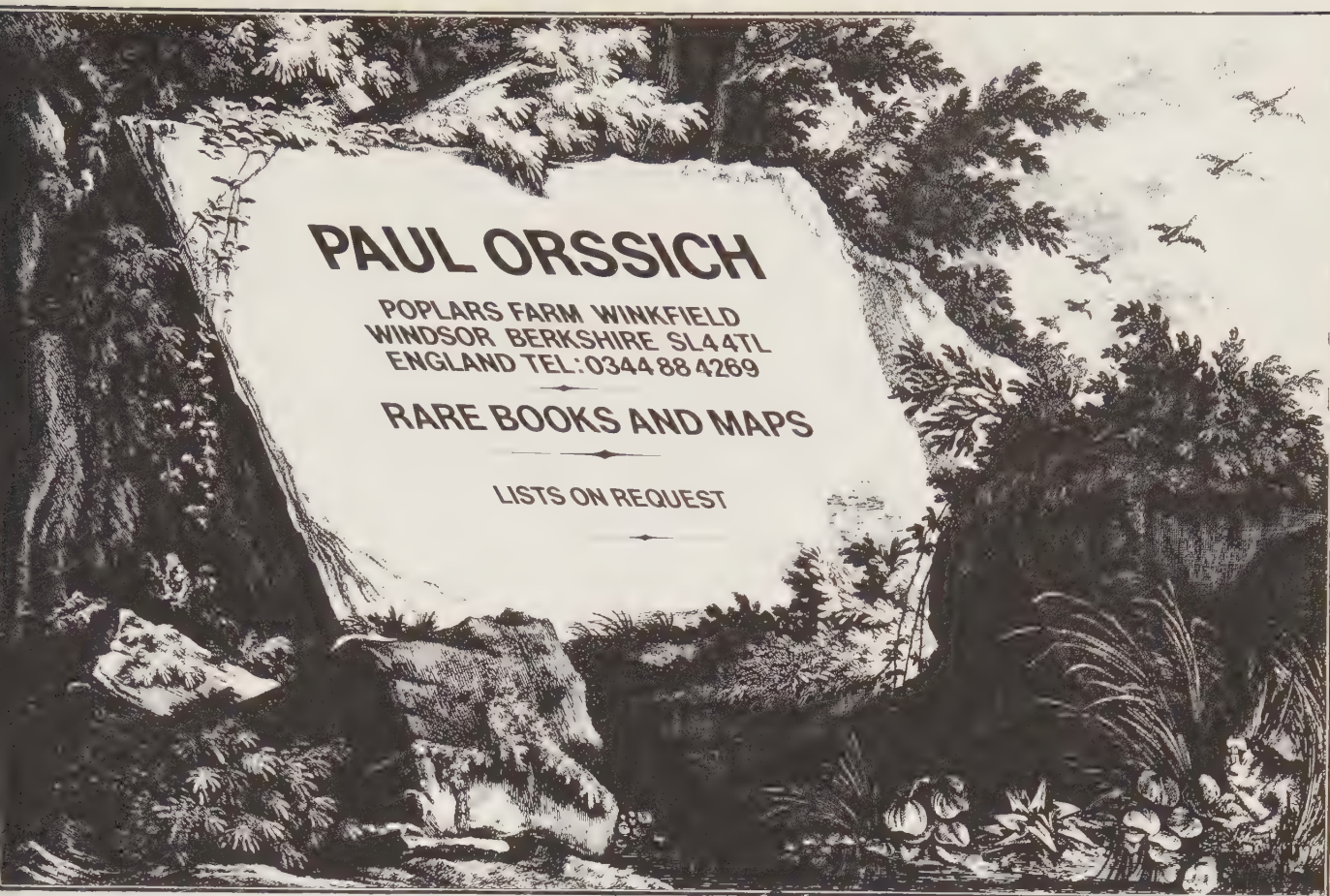
\$16

Koller, J. G. Augsburg [c.1700?]
Judea seu Terra Sancta, quae Hebraeor [um] sive Israelitarum Terra in suas duodecim tribus divisa, general map in three sheets, joined, cut close all round, backed with tissue, some loss of surface affecting running title and detail [not traced in Röhrich, Tabler or British Library, Maps], 585 by 1200mm. SEPARATE PUBLICATION? A note at the lower margin acknowledges the patronage of Fi Francesco Caccia, Commissioner-General for the Holy Land in the Holy Roman Empire (c.1690-1700). Although

the map is based partly on the van Adrichom model, it shows also some affinity to the Zaddik map of [1630-1631] S 2 & 3 May 85 lot 304		
Lattie, Paris, 1763 The Holy Land, 12" × 17". Outline color. Large, elaborate cartouche uncolored. A little very minor spotting ONM 21 Jun 85 lot 367		£880 \$71.50
Lotter, T. C. 1759 Terra Sancta sive Palaestina, coloured. 19 × 23 inches, margin cleanly torn with loss, framed and glazed. Cs 25 Jan 85 lot 158		£95
Luchtenburgh J. van. Amsterdam, Covens & Mortier, [1683-1761] Carte particuliere des Paies ou les Apotres ont Preche l'Euangile. 40 × 47cm; full margins; verso blank. Hand-colored; tipped at 4 corners to mount. From Covens & Mortier's ATLAS NOUVEAU; Phillips 3448, No. 65. Sw 20 Jun 85 lot 180		\$251
Mercator-Hondius. London, 1626 The Holy Land, 6" × 7½" on a page of English text. Uncolored. Title cartouche. There is a sea monster and ship off the coast. ONM 21 Jun 85 lot 365		\$40
Morden, R. London, [c.1700] (Canaan). 5½" × 5" on a page with text. Uncolored. Small title cartouche. Wormholes affect a few lines of text below the map, and touch the border. Area affected is reinforced on back. ONM 20 Sep 85 lot 413		\$26
Ortelius, A. Antwerp, 1586 [but 1590] Abrahami Patriarchae Peregrinatio et Vita, general map surrounded by 22 vignettes illustrating the life and travels of Abraham, Latin text on verso, fully coloured in an early hand, light offsetting and slight adhesion at centre-fold [Laor 30], 356 by 465mm. S 2 & 3 May 85 lot 305		£880
– Another copy Abrahami Patriarchae Peregrinatio et Vita, map surrounded by 22 vignettes illustrating the life and travels of Abraham, Latin text on verso, FULLY COLOURED IN AN EARLY HAND, light browning and slight adhesion at centre-fold [Laor 30], 356 by 465mm. S 27 & 28 Jun 85 lot 303		£550
– [Antwerp, 1570] Palestinae sive totius Terrae Promissionis nova descriptio, extending from the Nile delta to Lebanon, the first state (showing fine sailing ships and three sea-monsters), Latin text on verso, finely hand-coloured in full, marginal soiling [Laor 28; Tooley, TMC 3, p. 28], 350 by 473mm. S 27 & 28 Jun 85 lot 304		£550
– [Antwerp, 1579] Peregrinationis Divi Pauli Typus Corographicus. 35 × 50cm; full margins; Latin text on verso. Fully colored; title cartouche flanked by 2 circular vignette views of New Testament events; ships and fish in the Mediterranean. Uniformly lightly browned. Koeman III, Ort 15A [1P]. Sw 20 Jun 85 lot 183		\$193
– [Antwerp, 1570 but 1588] Terra Sancta, (after P. Laicksteen and C.'s Grooten 1566), fully coloured, Spanish text, slight discoloration, small repair, 370 by 500mm. S 31 Jul 85 lot 1301		£88
– [Antwerp, 1584] Terra Sancta, orientated east to the top of the sheet (after P. Laicksteen and C.'s Grooten 1566), Latin text on verso, slight worming at centre-fold, but a fine impression [Laor 29; Haijfa Museum Catalogue 15; Tooley, Maps of Palestine, TMC 3, p. 28], 372 by 517mm. S 5 & 19 Feb 85 lot 279		£396
– [Antwerp, 1584, but 1595] Terra Sancta, (after P. Laicksteen and C.'s Grooten 1566), orientated east to the top of the sheet, Latin text on verso, a fine impression, 370 by 502mm. S 31 Jul 85 lot 1300		£308
– "Miniature", 1601 (Terra Sancta) 3" × 5". Uncolored. Latin text on back. Title cartouche. West is oriented toward the top of the map. ONM 20 Sep 85 lot 412		\$44
Ptolemy, C. Rome 1507 or 1508 „Iabula Moderna Terrae Sanctae“. Von 2 Platten gedruckte Kupf.-Kte. aus der von M. Benevantis hrsg. Ptolemaeus-Ausgabe, 23,5:51cm, darüber der Titel u. 4 Schriftbänder. Etwas angestaubt u. fleckig, aber wohl erhalten; auf pergamentähnlichem Papier gedruckt, daher Abdruck tlw. etwas blau. – Nordenskiöld, Facs.-Atlas S. 14 ff. Sehr selten. Die erste „moderne“ Palästina-Kte. in Kupferstich, gest. nach dem Holzschnitt von Berlingheri in der 1482 Ptolemaeus-Ausg. Die Ktn. der beiden Ausg. 1507/8 wurden von den gleichen Platten abgedruckt. RA 16-20 Apr 85 lot 4265		DM8050
Robert de Vaugondy. Paris, 1762 (Judee ou Terre Sainte) 9½" × 8½" Outline color. Title		60

cartouche uncolored. ONM 20 Sep 85 lot 415		\$40
Quad, M. [c.1595] „Palaestina quae et Terra Sancta vel Terra Promissionis“. Kte. von J. Bussemacher aus dem Atlas von Quad. Mit 2 ornament. Kart. 20:28,5 cm. Kl. Randeinriß oben rechts geklebt u. Bug (mit Einriß unten) ganz mit Japanpapier verstärkt. RA 16-20 Apr 85 lot 4269		DM460
Sanson, G. [c.1690] Terra Sancta, coloured in outline, 19½in. × 23in., left margin annotated in a contemporary hand. Cs 19 Jul 85 lot 56		£150
Sanson, G. & H. Jaillot. Paris, 1691 [but Amsterdam, P. Mortier, 1700] Iudea, seu Terra Sancta, general map showing the Twelve Tribes on either side of the Jordan, elaborate title-cartouche and large Adam and Eve scale-cartouche, finely coloured in full in a contemporary hand and heightened with gold, a fine copy. [Haijfa Catalogue 53; cf. Laor 50], 535 by 835mm. S 2 & 3 May 85 lot 306		£770
Schenk, P. „Judea seu Terra Sancta“. Grenzkol. Kte. v. W. Sanson. Mit 2 ausgem. fig. kart. Ou.-fol. Leicht gebräunt u. stockfleckig. Weiße Ränder mit kl. Ein- u. Ausrissen tlw. restauriert. RA 16-20 Apr 85 lot 4273		DM346
Schreiber, J. G. Leipzig [c. 1750] Das Gelobte Land sammt der 40 iaehrigen Reise der Kinder Israel aus Egypten 6" × 9". Cartouches, compass rose, and area featured in full color. A scarce and charming map showing the west oriented toward the top. Sentence written in old pen just below lower border, with one stroke entering map area. Some marginal browning. ONM 20 Sep 85 lot 414		\$45
Seutter, M. Palaestinae . . . – Teilkol. Mit Teilkarte von Israel. Große Kart. mit religiösen Motiven. Meilenzeiger. Einrisse am Rd. u. am Mittelfalz hinterlegt, 49,5:57. D 4-5 Jun 85 lot 6549		DM437
Seutter, M. „Regio Canaan . . . hodie Terra Sancta“. Altkol. Mit 2 ausgem. fig. Kart. u. kl. Nebenkte. Ou.-fol. Tlw. fleckig; Seiten u. obere Ecken leicht wasserfleckig. Linke Ecken unten überklebt. RA 16-20 Apr 85 lot 4274		DM230
– [c. 1740] Terra Sancta, coloured engraved map, 19½ × 23 inches, margins lightly soiled, framed and glazed. Cs 25 Jan 85 lot 157		£190
Smith, C. London, 1809 Palestine, 22" × 13½". A little minor spotting. ONM 20 Sep 85 lot 417		\$15
Stoopendaal, D. [Dordrecht or Amsterdam, 1714] Het Beloofde Landt Canaan; De Beschryvingh van de Reysen Pauli, together two double-page engraved maps from a Dutch-text edition of the Bible (text on versos), finely hand-coloured in full, but slightly browned, various sizes. S 2 & 3 May 85 lot 311		£242
Teesdale, H. London, 1834 Palestine, 16" × 13", fully colored; an inset plan of Jerusalem is uncolored. Ancient placenames. Faint browing at fold; 1½" separation at fold; a few traces of offsetting.. ONM 12 Apr 85 lot 350		\$20
Visscher, N. [Amsterdam], 1658 Terra Sancta, sive Promissionis, olim Palestina recens delineata, general map, orientated west to the top of the sheet, with a small inset showing the encampment of the Tribes, finely coloured in outline and heightened with gold, slight abrasion at upper centre-fold affecting a few letters [Laor 38], 463 by 563mm. S 2 & 3 May 85 lot 313		£495
– [Amsterdam], 1659 Terra Sancta, sive Promissionis, olim Palestina recens delineata, general map, orientated west to the top of the sheet, with small inset showing the encampment of the Tribes, the map area finely coloured, AN EARLY ISSUE WITH VISSCHER'S MONOGRAMME [Laor 38], 463 by 563mm. S 27 & 28 June 85 lot 305		£352
– 1659 TERRA SANCTA, sive Promissionis, olim Palestina recens delineata . . . (2 margins sl. dam.). B 26-27 Feb 85 lot 1044		£260
Wilkinson, R. London, 1798 Palestine (Canaan) at the time of Abraham, 11" × 9". Outline and wash coloring. ONM 12 Apr 85 lot 349		\$17.50
– London, 1798 Palestine at the time of Solomon, 11" × 9". Outline and wash coloring		

ONM 12 Apr 85 lot 348		\$20
Zatta, A. Venice, 1785 „Le Dodeci Tribu d'Isdraele“. Israel-Kte. mit eingesetzter Nebenkte.; das „alte“ Israel mit der Route des Auszuges der Kinder Israel. Kte. mit altem Grenzkolorit Mit 2 ausgem. Kart. 31:40,5 cm, Leicht fleckig u. alt aufgezogen. RA 16-20 Apr 85 lot 4275		DM345
NB. Our listing includes only those maps and atlases actually sold in auction, but there are often lots which do not reach their reserve and are “bought in”. In recording the Palestine maps during this year, it was interesting to note, for instance, that in the large Sotheby's sales in May and June, twenty-eight out of forty-six maps and views were unsold.		
Jerusalem		
Braun, G. and F. Hogenberg. [Cologne, 1572, but later] Hierosolyma, two perspective plans showing ancient and modern Jerusalem on one sheet, Latin text on verso, FULLY COLOURED IN EARLY HAND, A FINE IMPRESSION, 342 by 490mm. S 27 & 28 Jun 85 lot 301		£374
– Cologne, [1572] Hierosolyma, ancient and modern Jerusalem on one mapsheet, Latin text on verso, 342 by 490mm. S 5 & 19 Feb 85 lot 269		£165
– [Cologne, 1575] Hierosolyma urbs sancta, perspective plan viewed from the Mount of Olives and showing five costumed figures in the foreground, Latin text on verso, finely hand-coloured in full [Laor 59; Vilnay 35], 325 by 412mm. S 31 Jul 85 lot 1293		£418
– [c.1585] Plan der Stadt mit den Heiligen Stätten und dem Leidensweg Christi. Kol. Rad. Von 2 Platten gedruckt. Nicht zusammengesetzt. Gr. fol. In den Bugfalten je oben u. unten 2 kl. Würmlöchlein hinterlegt. RA 16-20 Apr 85 lot 4281		DM1955
– [c.1585] „Hierosolyma“. Vogelschauansicht. Kol. Rad. Mit 2 ausgem. Roll-werkskart. u. fig. Staffage. Ou.-fol. RA 16-20 Apr 85 lot 4280		DM1265
Dapper, O. [Amsterdam, 1681] Jerusalem, panorama (after Hollar 1660) from the east with a key to index features, traces of folds, a good impression [cf. Röhricht 1171], 285 by 700mm. S 2 & 3 May 85 lot 293		£330
Hollar, W. 1660 Jerusalem, etched and engraved panoramic view from the east centered on the Temple, with a small inset plan (after J. B. Villalpando 1606) and key to indexed features, in two sheets joined, neatly rubricated, central join strengthened, traces of folds, a fine impression [Röhricht, p. 616 (the Overton printing of 1715 only)], 389 by 1080mm. S 2 & 3 May 85 lot 284		£1320
Lotter, T. C. Augsburg „Abriß der Weltberühmten Statt Ierusalem“. Vogelschauansicht, darunter gest. Erklärung. Altkol. Kupf. v. M. Seutter. Gr.-fol. RA 16-20 Apr lot 4282		DM1035
Moxon, J. Amsterdam, Visscher, [c.1690?] Jerusalem. Bird's-eye view of this walled city, 31 × 43½cm; top and bottom margins trimmed to 2cm, side margins trimmed within plate mark; versos blank. Fully colored; key to numbered buildings and landmarks; dedicatory cartouche. Attached to board with double-stick tape, slightly rubbed. Foreground vignettes – Crucifixion on Mt. Calvary; Solomon anointed on Mt. Gihon. Sw 20 Jun 85 lot 182		\$110
Münster, S. Jerusalem. Gesamtansicht. Holzschnitt, lat. Ausg. 15:38cm. Auf dem vollen Doppelblatt. Bugfalte leicht gebräunt. RA 16-20 Apr 85 lot 4278		DM483
Wilkinson, R. London, 1798 Jerusalem and adjacent sites, 11" × 9". Fully colored. Along with a plan of Jerusalem at the center, includes Bethlehem, Gibeon, Ramah, and several other surrounding towns. ONM 12 Apr 85 lot 351		\$38.50
Zaltieri, B. Venice, 1569 „Civitas Hierusalem“. Gesamtansicht, darunter Legende 1-16, flankiert von 2 Gebäudeansichten. Kupf. aus G. Ballino, „Città, & fortezze del mondo“. 19:26,5cm. Bugfalte leicht gebräunt u. mit hinterlegten Würmgängen. Etwas fleckig, weiße Ränder stärker. – Selten. Fauser 6100. RA 16-20 Apr 85 lot 4279		DM2760



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This map was the prototype for the
subsequent maps of Cassini, Doncker, Robyn,
and Vander Aa. See Shirley, #375.
IN 1648, Turquet published a book entitled
Discours Sur La Carte Universelle ... in which
he discusses the map projections of renowned
Renaissance mapmakers such as Apianus,
van den Keere, Ortelius, Postel, Gemma
Frisius, and Pisanì; one projection is attributed
to Jean de Roias, who is known only through
Turquet's reference.

TURQUET FOLLOWS his review of these
projections with his own, an azimuthal
projection radiating from the north pole. The
booklet served basically as an explanation of
the map that accompanied it
THE MAP IS a fine copperplate engraved work
which employs both individual and derivative
geographies. Both North and South America,
for example, are not specifically traceable to a
standard prototype, while eastern Asia is
clearly copied from the 1606 Mercator/Hondius
map of China. California is an island on a
rather peculiar pattern, and in general the
outlines of North and Central America are
quite angular.
GEOGRAPHICALLY, the map is most
important for its depiction of the southern
latitudes. The nature of the projection also
affords a unique perspective of the southern
lands. The mythical Terra Australis occupies
the entire rim of the map, and from it grows
both New Zealand and Australia. A northerly
protusion of Terra Australis below the East
Indies combines both the legendary Beach
and Nouvelle Holande, and even incorporates
a few Australian place-names.
TURQUET'S MAP bears one of the earliest
records of the discoveries of Abel Tasman, or
is rather one of the earliest to show knowledge
of his voyage (1642-43). "Pais d'A Van
Dimens" (Tasmania) has been located onto
pre-Australia geography but it, logically,
designates the area at the southern bottom of
the lump onto which "Nouvelle Holande" was
superimposed. The same resourcefulness
was used to locate "Terra de Leuwin" in the
southwest region of this strange Beach/
Australia, sighted during the 1627 voyage of

Captain Thijssen.
OTHER PLACE-NAMES in western Australia
are "Terre de Wits", "Beach R.(iver)" and
"Willem R." (iver).
TASMAN'S INFLUENCE on Turquet is also
found on another northerly bulge of Terra
Australis, this one east of Australia, extending
further north than Australia and nearly
touching New Guinea. It is New Zealand. This
depiction of New Zealand is crowned with four
mammoth peninsulas, the most westerly
bearing the name "Hausteterre" and the most
easterly "C de lat".
IT IS CURIOUS that the map's author could
incorporate place-names and their relative
geography resulting from Tasman's voyage
while ignoring that great navigator's principal
contribution, which was circumnavigating
newly-found Australia.
TURQUET'S MAP locates the Solomon
Islands, at this time "lost", fairly accurately.
They are found east of New Guinea, and
above New Zealand.

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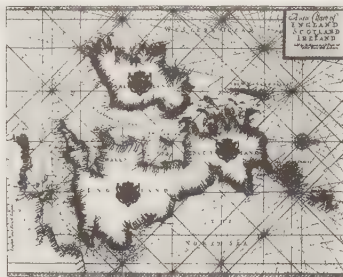
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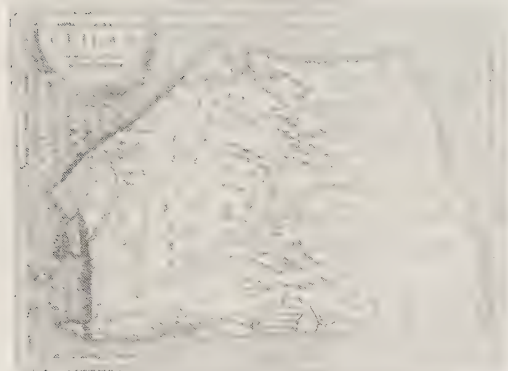
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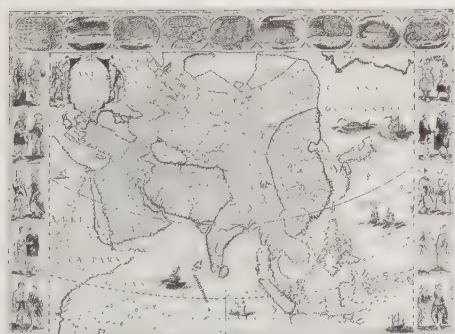
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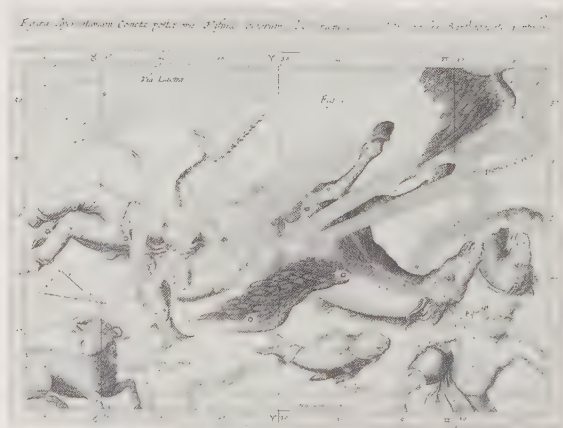
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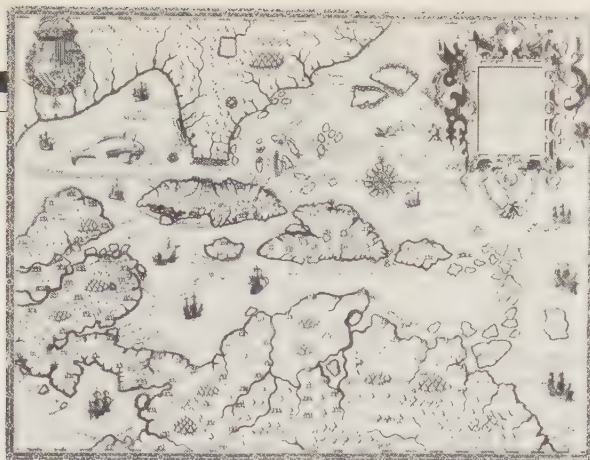
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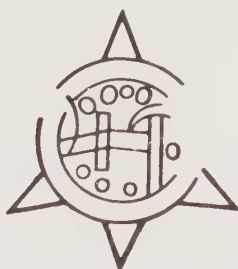
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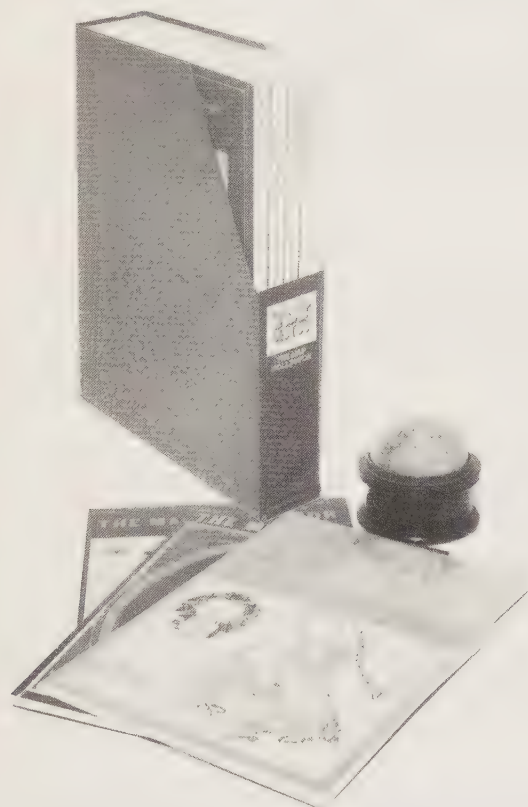
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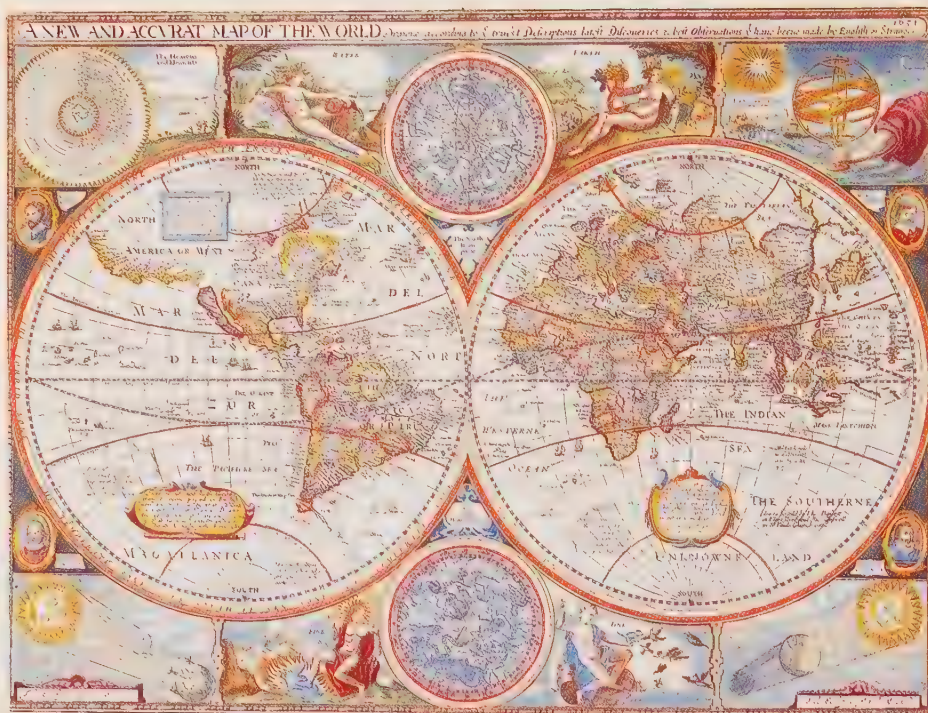
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 Belleforest, F. de **28** 16 ad. (London)
 Bellère, J. **22** 14 ad. (America)
 Bellin, J. N. **24** 50 (Monaco); **25** 28; **27** 21-4 (Great Lakes), 47 (N. Atlantic); **30** 11, 13-14
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 Bertius, P. **21** 66 ad. (World); **22** 6 (Magellan Straits), 71 ad. (Antarctica); **26** 45 (Charlemagne's Empire); **29** 29
 CB *Atlas* **24**; *Theatri Geographiae* **24**
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 Blaeu, W. J. [Janssonius, W.] **22** 44 (World); **24** 43 ad. (America, World); **25** 49-50, 52 (Cyprus); **26** 64 ad. (British Isles); **29** 36 ad. (America), 59 ad. (Virginia); **30** 9 ad. (America), 10, 36-8 (*West-Indische Paskaart*)

- Blaeu, W. & J. **28** 19, 34
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CB (Separate vols) *British Isles* **29**; *China & Japan* **29**; *England & Wales* **24** **25** **28** **30**; *France etc.* **24** **30**; *Italy etc.* **25** **27** **29** **30**; *N. Europe* **26** **30**; *Scotland & Ireland* **25** **26** **29**; *Spain & Portugal* **30**
- Blodgett, W. **27** 9
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CB *Britannia* **26** **28** **29**
Blunt, E. **23** 14-16 (Long Island Sound title)
Blunt, E. M. **23** 14-15
Blunt, G. W. **23** 15
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Boazio, B. **26** 55 ad. (Ireland)
Bonaventura, P. **25** 22-3 (Dardanelles)
Bonifacio, N. **24** 23; **27** 20 ad. (Rhodes)
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CB *Scotland* **29**
Bowles & Carver **23** 4 (Newcastle view); **27** 18
Boydell, J. **23** 3, 6
Boys, T. S. **23** fc (London from Greenwich view), 6-7 (St Paul's view)
Bradford, T. G. — CB *Comprehensive Atlas* **28**
Braun, G. & F. Hogenberg **23** 33 ad. (Chester); **24** fc, 22-4
CB *Civitates Orbis Terrarum* **25**
Bretez, L. — CB *Paris* **24**
Breuning, H. J. **24** 24
Breydenbach, B. von **24** 20-1 (Jerusalem)
Brion de la Tour, L. **30** 29 ad. (World)
CB *Atlas Général* **29** **30**
Browne, D. — CB *Co. Mayo* **25**
Bruce, J. **29** 49 (E. Africa)
Bruyn, C. de **24** 20-1 (Jerusalem)
- Bry, T. de **22** 68 ad. (America); **23** ibc ad. (Virginia); **25** 42 (America); **26** 69 ad. (S.E. USA); **28** ibc ad. (Virginia)
Buache, P. **27** 21; **28** 8 (Atlantic — subterranean mountains)
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Burgklehner, M. **24** 53 ad. (Tyrol)
- Cabot, S.** **28** 3, 7
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- Cole, H. **22** 37 (Holy Land); **25** 40 ad. (Holy Land)
Collins, G. **25** 32; **30** 14, 30-2 (Holy Island)
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CB *Atlante Veneto* **28** **29**; *Corso Geografico* **28**; *Globi* **28**; *Isolario* **27** **29**
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Danckerts, J. **29** 46 (World)
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- Delisle, G. **21** 6 ad. (Canada & N. America); **22** 47; **23** 38, 40, 42; **24** 12-14 (Louisiana, Mississippi, N. America); **26** 2-6 (portrait, N. America); **27** 21
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- Dépôt de la Guerre **24** 6
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- Des Barres, J. F. W. **23** 14
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- Dijck, H. van & J. Luiken — CB *Caert-Boeck . . . Over Flaquêe* **25**
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- Donald, T. **24** 33 (Cumberland)
- Doncker, H. **25** 51-2 (Cyprus)
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- Donn, B. **30** 26
- Doolittle, I. **21** 26
- Doomer, L. **25** 23
- Doppelmayer, J. G. **30** 15 ad. (World)
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- Drake, F. **23** 30; **27** fc (World), 12-13; **28** 3-4
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- Dudley, R. **22** 32
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- Dumont d'Urville, J.S.C. — CB *Voyage . . . l'Astrolabe* **25**
- Duncan, J. — CB *County Atlas* **25**
- Duner, N. **22** 36 (Spitsbergen)
- Dunn, S. **24** 29 (World)
- Duperrey, L. J. — CB *Voyage . . . La Coquille* **25**
- Durand, M. **28** 32
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- Du Val, P. — CB *Mer Méditerranée* **28**; *Le Monde* **30**; *Géographie Universelle* **28**
- Ebstorf World Map** **29** 3
- Eckebrecht, P. **21** 67 ad. (World)
- Eddy, J. **21** 28, 30
- Edward IV **28** 21
- Edwards, G. **21** 46 (N. W. Europe)
- Eekhoff, W. — CB *Friesland* **26**
- Eldridge, G. **23** 18-19 (Rhode Island); **27** 33
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- Elizabeth I **27** 16 (portrait); **28** 3, 19
- Ellis, J. — CB *English Atlas* **25-27**
- Elwe, J. B. **28** 26 ad. (World)
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- Engel, M. **29** 7
- English Pilot* **28** 34, 36-7; **30** 14
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- Eugene of Savoy, Prince **25** 25
- Euler, L. — CB *Geographischer Atlas* **26**
- Evans, C. **27** 40
- Evans, L. **27** 9
- Evans, S. **28** 5 (world game)
- Evelyn, J. **28** 4
- Everest, G. **28** 30
- Faden, W.** **26** 8 ad. (St John's Antigua), 13 (Ceuta); **28** 37
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- Falckenstein, J. H. van **22** 46
- Farrington, J. **23** 6
- el-Felaki, M. bey **24** 8
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- Fer, A. de **21** ibc ad. (World)
- Fer, N. de **25** 5 (Savoy); **28** ifc ad. (Palestine); **29** 22-6 (America, beaver scene)
CB *Atlas Curieux* **28**
- Ferretti, F. **21** 7 ad. (Cyprus, Great Britain)
- Fillastre, G. **25** 2 (World)
- Fine, O. **22** 6; **26** 38-9 (France)
- Finley, A. — CB *American Atlas* **28**
- Firks, G. & Son **21** fc (Cornwall)
- Fitzroy, R. **25** 30-1 (Galapagos Islands)
- Fletcher, J. **30** 4-6 (crime in England & Wales)
- Fletcher, W. **28** 31 (Prince of Wales Island)
- Flint, A. R. **27** 30
- Fonte, B. de **27** 21; **29** 31
- Forlani, P. **22** 4-5 (World)
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- Franquelin, J. B. L. **24** 11-12 (N. America); **26** 5
- Frazer, A. **28** 7
- Freycinet, L. de — CB *Voyage . . . l'Uranie et la Physicienne* **25**
- Fricx, E. H. — CB *Pays Bas* **26** 29
- Fries [Frisius], L. **22** 6-7; **26** 42 (World); **27** 66 ad. (World); **29** 28
- Frobisher, M. **26** 48-9
- Fuesslin, J. C. — CB *Schweizerischen Eidgenosschaft* **28**
- Fullarton, A. — CB *Royal Illustrated Atlas* **28**
- Fyodorov, I. **29** 30
- Gall & Inglis** **27** 25 (USA)
- Gallatin, A. **27** 29-30
- Galle, P. **30** 56 (World)
- Galli, M. **29** 51 (World); **30** 51
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- Gedda, P. — CB *Pas-Kaerten . . . Oost-Zee* **26**
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- Gedney, Lt **27** 31
- Gentleman's Magazine* **26** 7 ad. (Halifax: Nova Scotia)
- Geographical cards* — CB **30**
- George III **28** 3-5, 7, 21, 23
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- Geraldus Cambrensis **22** 20-1
- Gervase of Tilbury **29** 3
- Gesner, K. **29** 25
- Gibson, J. **29** 67 ad. (E. Indies)
CB *Atlas Minimus* **25**
- Glynne, R. **27** 18
- Goad, C. E. **21** 41; **25** 9 ad.; **29** fc (St Paul's London), 14-19 (advertisement, key, key to London plan, portrait, Edinburgh, London, Manchester, Sheffield), 21 ad.
- Goldsborough, L. M. **27** 28
- Goos, A. **23** 13 ad. (New Netherlands), 38
- Goos, P. **23** 38 (E. Indies); **25** 51-2 (Cyprus), 67 ad. (World); **30** 38 (*West-Indische Paskaart*)
CB *Zee-Atlas* **27**; *Zee-Spiegel* **24** 26
- Gordon, Gen. C. **29** 7 (Flood, Red Sea)
- Gottfried, J. L. — CB *Archontologia Cosmica* **26**
- Gough, R. **28** 7
- Gough Map* **22** 19-20
- Graham, B. **27** 30
- Grant, J. A. **29** 47
- Green, I. W. **28** 21
- Greenleaf, J. A. — CB *United States* **29**
- Greenwood, C. & J. **21** 2-3 (Cornwall), 33; **26** 16
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- Greg, W. R. **30** 4
- Grenet, l'Abbé — CB *Atlas Portatif* **29**
- Grent, T. **21** 44-5
- Greuter, M. **22** 47 (Sardinia)
- Grindley, T. **28** 23
- Grynæus, S. **22** 6; **23** ibc ad. (World); **24** 59 ad. (World)
- Guérard, N. **21** 33; **29** 24, 26
- Guerry, A. M. **30** 3, 6 (illegitimacy in France)
- Guicciardini, L. — CB *Paesi Bassi* **25**
- Gvozdoz, M. **29** 30
- Hack, W.** **23** 30; **25** 45-6; **28** 7, 45
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- Halfield, H. G. F. — CB *Rio de S. Francisco* **30**
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- Halley, E. **21** 45-6 (eclipse England & Wales); **22** 31, 43 (Atlantic)
- Halliday, A. **30** 3
- Halma, F. **28** fc (frontispiece)
- Harding, J. D. **23** 6 (Clifton Bridge Bristol view); **24** 50-1 (Monaco)
- Harleian World Map* **28** 19
- Harley, R. & E., Earls of Oxford **28** 7
- Harris, J. **28** 62 ad. (Northamptonshire)
- Harvey W., see Aleph
- Hassler, F. R. **27** 28, 30-1
- Hayashi Shihei **28** 13
- Heap, G. **24** 25 ad. (Philadelphia)
- Hell, M. — CB *Pilote . . . de Corse* **25**
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- Hemying, B. **30** 3
- Henderson, J. S. **21** 3 (Cornwall)
- Hennepin, L. de **24** 10-13; **26** 5; **29** 24 (Niagara Falls)
- Henry VIII **21** 32; **28** 3, 7
- Herdman, W. **23** 8 ad. (Liverpool view)
- Hereford Map* **29** 2-3
- Herrera y Tordesillas, A. de **23** 31 (America on title-page); **25** 18-19 (title-page, Central America)
- Herz, J. D. **24** 18-19 (Jerusalem)
- Hevelius, J. **22** 32 (moon)
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- Hezeta, B. de **23** 30-1 (Sea Lion Cove; Alaska)
- Hidley, J. H. **23** 8 ad. (Poestenkill)
- Higden, R. **29** 3-4 (World)
- Hocquart, G. **27** 21, 23-4
- Hodgson, O. **30** 40-1 (Durham)
- Hoeye, F. van den [Hoeius] **22** 44
- Hoffgaard, H. **26** 33
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- Hogenberg, R. **22** 37; **27** 17 (Lancashire)
- Hole, W. **27** 16
- Hollar, W. **21** 22-4 (Berkshire, England & Wales); **23** 3, 9 ad. (Berkshire); **25** 42-3 (London panorama)
- Holster Atlas* **22** 33-5
- Homann, J. B. (and heirs) **21** 67 ad. (N. & Central America); **23** 30; **30** 15 ad. (World)
- CB *Atlas* **24** **26** **28** **30**; *Atlas . . . Bohemiae* **24**; *Atlas Compendarius* **30**; *Atlas Germaniae* **26**; *Atlas . . . Helveticae* **24**; *Atlas . . . Maior* **26**; *Atlas Mapparum* **30**; *Atlas Minor* **26**; *Atlas Novus* **24** **26** **28**; *Grosser Atlas* **28**; *Hand Atlas* **28**; *Neuer Atlas* **28**; *Novus Atlas* **24**
- Homem, A. **25** 38
- Homem, D. **21** 39; **28** 19
- Hondius, H. **22** 22 ad. (World); **28** 68 ad. (America)
- Hondius, J. (Sr & Jr) **23** 30 (World); **24** 66 ad. (America); see also Jansson and Mercator
- CB *Historia Mundi* **26**
- Hooghe, R. de **23** 36-7 (Granville & St Michel); **28** 19
- Hooker, W. **23** 15
- Horn(ius), G. — CB *Ancient Geography* **29**; *Orbis Delineatio* **26**
- Horsburgh, J. **28** 29-30
- Hotchkiss, J. **30** 51
- Howard, J. **24** 34-5 (Whitehaven)
- Howe, Lord **28** 19
- Hullmandel, C. **23** 6-7 (Clifton Bridge Bristol, Daventry views)
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- Huttich, J. **23** ibc ad. (World); **24** 59 ad. (World)
- Hyderabad Topographical Survey* **28** 30 (Ajanta area)
- Hydrographic Office, see Admiralty, British, in Subject Index
- Iberville, P. Le Moyne d'** **24** 13; **26** 2-6
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- Isidore of Seville **29** 3
- Izmaylov, I. **29** 32 (Afognak & Kodiak Islands)
- Jacobsz., T. A.**, see Lootsman
- Jacotin, P. **24** 2-8 (portrait, Egypt)
- CB *L'Egypte* **30**
- Jaillot, H. **28** 26 ad. (World); **30** 13-14
- CB *Atlas François* **30**; *Neptune François* **27** **29**; see also Sanson, N.
- James II **28** 7, 23
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- CB *Britanniae* **24**; *Nieuwen Atlas* **24**; *Novus Atlas* **26** **28** **29**; *Atlas Novus* (British Isles) **26** **29** (Netherlands etc.) **26** (Italy etc.) **26**; *Atlas Minor* **30**
- Jansz(oon) [Janssonius], W., see Blaeu, W. J.
- Janz, W. **25** 45
- Japan — CB *Dai Nihon Chukai Zenzu* **28**
- Jarves, J. J. **23** 32 (San Francisco Bay)
- Jefferys, T. **22** 69 ad. (Mississippi); **27** 16; see also Sayer & Jefferys
- CB *American Atlas* **26**; *French Dominions* **26**; *West Indian Atlas* **29**
- Jenner, T. — CB *Parishes . . . in England and Wales* **26**
- Jode, C. de **23** ifc ad. (World); **24** 22
- Jode, G. de **22** 41 ad. (World); **23** 59 ad. (British Isles); **24** 22
- Johnson, A. J. **25** 17
- Johnston, A. K. — CB *Historical, Commercial and Political Geography* **26**
- Jolliet, L. **24** 10
- Jomard, E. F. **21** 14; **24** 3 (portrait)
- Jones, B. R. **23** 19-20 (Passamaquoddy & Machias)
- Jones, H. **28** 7
- Jordan, T. **26** 18 (advertisement)
- Jugge, R. **22** 37 (Palestine)
- Kaempfer, E.** **28** 12-13
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- Keere [Kaerius], P. van den **23** 69 ad. (America); see also Speed, J.
- Keulen, J. van **27** 4, 6 (Scheldt estuary); **28** 34, 37 (Eelyaazar Island); **29** 52 ad. (Baltic); **30** 13-14 (W. Ireland), 38 (*West-Indische Paskaart*)
- CB *Groote Zee-Atlas* **26** **29**; *Groote Zee-Fackel* **29**; *Zeefakkel* **29**
- Kildare, Earl of **28** 23-4
- Kip, J. **23** 3; **27** 16
- Kitchin, T. — CB *General Atlas* **24**-**27**, **29**; *Large English Atlas* **26**-**28**; *Royal English Atlas* **29**; *Universal Atlas* **27**
- Klencke, J. **28** 2-4; **29** 42
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- Kruikius, N. & J. — CB *Delfland* **30**
- Kuyper, J. — CB *Nederland (Noord-Holland)* **28**
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- Laet, J. de **30** 38
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- Lahontan, L.-A. de **27** 21; **29** 22-3
- Laicksteen, P. **24** 22
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- Lallemont, R. **23** 38
- Lambarde, W. **22** 18-19; **28** 20
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- CB *Caert-Thresoor* **26**
- Langeren, J. van — CB *England and Wales* **29**
- Langley, E. & W. Belch — CB *England and Wales* **26**
- Larcom, T. **30** 7
- La Ronde, L. D. de **27** 23-4
- La Salle, R. de **23** 40; **24** 10-13 (N. America); **26** 4-5
- Lat, J. de — CB *Duytsland* **24** **28**
- Lattré, J. — CB *Atlas Moderne* **30**
- Laurie & Whittle **23** 3-4 (London view)
- La Vérendrye, P. G. **27** 23
- Law, J. **23** 48
- Lázár the Clerk **23** 44-5; **26** 38
- Lea, A. **26** 16-18 (advertisement, Yorkshire); **27** 18
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- Le Clerk, J. — CB *Atlas Nouveau Portatif . . des Militaires* **26** *Atlas Nouveau Portatif* **30**
- Legge, G., Baron Dartmouth **28** 7
- Leland, J. **22** 20
- Lelewel, J. **26** 20-4 (portrait, title, Europe, Marco Polo's travels, *Tabula Rotonda Rogeriana*, World)
- Lemaire, F. **24** 13-14 (Louisiana & Mississippi)
- Leo Belgicus* **25** 53 ad.; **26** 73 ad.
- Leonardo da Vinci **26** 40-1 (Imola)
- Le Rouge, G. L. **26** 15 ad. (N. America); **29** 43 ad. (Boston)
- Le Sueur, C. **24** 13 (Mississippi)
- Leth, A. & H. de **25** 13 ad. (Pacific)
- Leth, H. de — CB *Historische Atlas* **30**; *Nederlandsche Provinciën* **27**
- Levanto, F. M. **25** 52
- CB *Specchio del Mare* **28**
- Lewis, G. W. **23** 8 ad. (Poestenkill view)
- Lewis, M. & W. Clark **26** 34; **27** 12-13 (Montana), **30** 47-8 (N. American West)
- Lhuyd, H. **25** 67 ad. (Wales)
- Liebnitz, G. von **24** 2
- Liguera, J. de **29** 13 ad. (Florida)
- Lily, G. **26** 38-9 (British Isles)
- Linschoten, J. H. van **22** 7 (ship)
- CB see Wytfliet, C. **29**
- Lizars, D. — CB *Edinburgh . . . Atlas* **28**
- Lobeck, T. & T. C. Lotter — CB *Atlas Geographicus Portatilis* **25** **26**
- Loggan, D. **23** 3, 9 ad. (Exeter College view)
- Long, S. H. **27** 30
- Longobardi, N. & M. Dias **25** 38; **28** 14
- Loon, J. van **21** bc ad. (World); **24** 64 ad. (World)
- Lootsman [Jacobsz., T. A.] **25** 50-1 (Cyprus)
- Lotter, T. C. — CB *Atlas Minor* **28**; see also Lobeck, T.
- Louis XIV **30** fc, 10
- Lyne, R. **28** 4 (Cambridge)
- Macartney, Lord** **28** 15
- McDonnell, T. **27** 51
- Mackenzie **28** 30-1
- Mackenzie, A. **21** 26

- Mackenzie, M. **30** 14
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- Macrobius, A. **22** 2-3 (World)
- Maelen, P. van der, see Vandermaelen, P.
- Magellan, F. **22** 4-6
- Maggiolo, V. **22** 6; **23** 50-3 (World)
- Maggiolo family **23** 50
- Magini, G. A. **23** 45
CB *Italia* **28** 29
- Major, R. H. **28** 8
- Malaspina, A. **28** 19
- Malby Bros. **26** 12
- Mallene, W. T. **27** 28
- Mallet, A. M. — CB *Welt-Kreises* **26**
- Mar, J. **30** 30
- Marchese, L. **25** 36
- Marius, J. **29** 25 (beavers)
- Markham, C. **28** 28, 30-1
- Marquette, J. **24** 10; **28** 44 (Mississippi River)
- Marsigli, L. F. — CB *Danubius* **26**
- Martellus, H. **27** 13; **28** 19
- Martin, R. M. — CB see Tallis
- Martinez, J. — CB *Portolan Atlas* **24**
- Martyn, T. **21** 4 (Cornwall & Isle of Scilly)
- Matham, A. J. **25** 23
- Matthew Paris **28** 23
- Maupin, P. **27** 50 (Rome)
- Mauro, Fra **26** 49; **29** 4
- Maur, M. F. **27** 28
- Mayhew, H. **30** 2-7 (illegitimacy and rape in England and Wales, portrait)
- Mayne, R. **25** 32-3 (Fraser River)
- Medici, C. de **25** 24
- Medina, P. de **22** 9 ad. (title-page Atlantic); **26** ifc ad. (America & Atlantic)
- Meissner, D. **23** 68 ad. (Sibenik view)
- Mela, P. **26** 24 (World), 47 ad. (World); **27** 7 ad. (World); **29** 28
- Melish, J. **22** 35 (Indiana)
- Membre, Z. **24** 12
- Mendaña, A. de **22** 7
- Mendoza y Gonzales, J. A. de **23** 59 ad. (solar eclipse map of America)
- Mercator, G. **21** 21, 40; **22** 7; **25** 67 ad. (Wales); **26** fc (Arctic), 45, 48, **27** 73 ad. (China); **29** 28; **30** 33
- Mercator-Hondius **25** 66 ad. (Virginia & Florida); **27** 26 ad. (America)
CB *Atlas* **24-26 28-30**; *Atlas Minor* **24 26 29 30** *Historia Mundi* **24 29**
- Merian, M. **21** 24; **23** 2; **24** 49 (Monaco . . . Nice); **30** 46 ad. (British Isles)
CB see Gottfried, J. L.
- Merula, P. — CB *Cosmographiae* **26**
- Metius, A. **25** 26 (Texel Island)
- Meyer, J. — CB *Hand-Atlas* **24**
- Michelot, H. & L. Brémond — CB *Méditerranée* **29**
- Miller, J. **28** 24 (New York)
- Ministry of Defence **22** 10
- Mitchell, J. **25** 15-16 (N. America); **26** 15 ad. (N. America); **27** 9, 24 (N. America), 53 ad. (N. America)
- Mitchell, S. A. — CB *New General Atlas* **27**
- Mogg, E. — CB *Roads of England and Wales* **28**
- Moll, H. **23** 40; **26** 17-18; **29** 22-6 (America beavers scene); **30** 30
CB *Atlas Geographicus* **26**; *Atlas Minor* **30**; *British Atlas* **25**; *England and Wales* **26**; *Europe* **28**; *Scotland* **25**; *World Described* **25 26 28**
- Montanus, A. **23** 34 ad. (Brazil); **29** 25 (beavers)
- Montecalerio, J. à — CB *Chorographica Descriptio . . . S. Francisci Capucinatorum* **26**
- Monteguy **30** 10-11, 14 (Galway Bay)
- Montmorency, A. de **28** 19
- Montresor, J. **26** ibc ad. (New York)
- Moore, T. **21** 30-1; **26** 9 (Houat Island)
- Morden, R. **21** 24; **22** 38; **30** 40
CB *England and Wales* **24 29**; *Geography Rectified* **28**
- Morris, C. **27** 28
- Mortier, P. **22** 47 (World); **25** 8 ad. (World); **30** 12-14
- Moule, T. **29** 37
CB *English Counties* **26-30**
- Mount & Page **21** 73 ad. (British Isles); **28** 34; **30** 14
- Moxon, James **28** 34-5 (title); **30** 33-4
- Moxon, Joseph **23** 38; **28** 34; **29** 4-6 (World)
- Muller **26** 69 ad. (Maldives)
- Müller, F. **21** 14, 17, 19; **22** 46
- Müller, G. F. **22** 14 ad. (Russia & N. America); **29** 29-31 (N. Pacific)
- Müller, J. U. — CB *Totius Orbis* **25**
- Münster, S. **21** 11; **22** 6-7; **24** 21-3 (Jerusalem); **26** 38, 41, 66 ad. (Europe as a queen); **29** 28; **30** 24 ad. (Britain)
CB *Cosmographia* **24 26 28-30**
- Mylne **24** 68 ad. (Japan)
- Napoleon Bonaparte** **24** 2-4
Neptune Americo-Septentrionale — **CB 26**
Neptune François **28** 34; **30** fc, 10-14 (frontispiece, Ireland)
- Newton, G. **27** ibc ad. (globes)
- Nicolaus Germanus **28** 45
- Nicolay, N. de **30** 30-1, 33-4
- Nijenhuis, B. **21** 14, 19
- Nolin, J. B. **22** 47; **23** 23 ad. (celestial globe gores), 42; **24** ifc ad. (W. Canada), 11 (N. America); **26** 19 ad. (Pacific)
- Nolli, G. B. — CB *Roma* **30**
- Norden, J. **26** 35 (Binstead, Sussex); **28** 23
- Nordenskiöld, A. E. **21** 14-19 (invoice, portrait, river deltas, signature, title-page, *Vega*); **22** 36 (Spitsbergen), 46; **23** 46 (portrait), 48; **26** 23-4, 43; **29** 45
- Norie, J. W. — CB *East India Pilot* **24**
- Norman, W. **23** 20
- Nouet, N. A. **24** 6
- Nowell, L. **22** 16-21 (MSS, Portrait, British Isles, East Anglia, Ireland) 39; **28** 23
- Nowell-Burghley Atlas* **22** 16-21, 39
- Núñez, A. **25** 18
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- Nuremberg Chronicle* **22** bc ad. (composite view of European cities, Holy Roman Empire); **23** 2; **24** 20-1 (Jerusalem)
- Ochikochi Dōin** **28** 14
- Ogilby, J. **21** 23-4; **23** 34 ad. (Brazil), 35 (Coat of arms Britannia); **27** 20 ad. (Bermuda); **29** 25 (beavers); **30** 73 ad. (Virginia)
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- Oliver, J. **28** 26 ad. (Hertfordshire)
- Ollanda, F. d' **25** 38
- Olschki, L. **21** 16-19
- Ordnance Survey **21** 3, 5; **22** 10-11 (Keswick on silk); **24** 33-5 (Lake District); **28** 7, 9 (Chichester area), 23, 34; see also R. V. Tooley's articles on large scale county maps and plans (Cornwall-Devon) listed out under Articles
CB **25 29**
- Ordnance Survey, Ireland **25** 35; **28** 45; **30** 51
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- Ortelius, A. **21** 64 ad. (America); **22** fc (Pacific), 7-8, 22 ad.; **23** 40; **24** 48, 71 ad. (Pacific); **25** 18-19; **26** 38, 44-5, 55 ad. (Ireland), 64 ad. (China); **27** 46; **28** 37-8 (Aeneas' voyages), 61 ad. (Africa); **29** 29, 37 (Northern regions), 73 ad. (Africa); **30** 54 (title-page), 56 (miniature World), bc ad. (America)
CB *Theatrum Orbis Terrarum* **24 26-30**; *Epitome* **24 28-30**
- Otis, B. **21** 26
- Ottens, J. & R. — CB *Atlas* **27 29 30**; *Atlas Minor* **25**; *Atlas van Vytegezogte Landkaarten* **27**; *XVII Nederlandse Provincien* **27**
- Owen, J. & E. Bowen — CB *Britannia* **24-30**
- Owen, W. F. W. **25** 29 (S. Africa)
- Packe, C.** **22** 43 (E. Kent)
- Padovani, F. — CB *Raccolta di carte* **26**
- Pagano, M. **26** 41; **28** 6; **29** 28
- Pagitt, E. **25** 12 (World)
- Paine, R. T. **21** 29
- Panizzi, A. **28** 7
- Parish, H. W. **28** 15
- Park, M. **27** 9
- Parry, W. E. **25** 28-9; **28** 7
- Pasha, L. **24** 8
- Patten, R. **23** 15, 20-1
- Peel, R. **28** 7
- Peeters, J. **27** 26 ad. (Jerusalem)
- Pei Xiu **28** 13
- Pendleton, J. B. & W. S. **21** 26-31 (globe, portrait, Franklin Co., Illinois, Lynn & Saugus, Railroad — Chelsea to Beverley, Worcester)
- Pene, C. **30** 10, 13
- Pepys, S. **27** 50; **28** 7; **30** 31-2
- Perrot, F. **24** 51
- Petit-Thouars, A. du & U. de Tesson — CB *Voyage . . . Venus* **25**
- Petrini, P. **22** 23 ad. (Europe, World); **29** 24
- Petushkov, M. **29** 32
- Petty, W. — CB *Hiberniae* **26 29**
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- Phélypeaux, J., Comte de Pontchartrain **27** 21
- Phélypeaux, J. F., Comte de Maurepas **27** 21-3
- Phillips, T. **28** 23
- Pigafetta, A. **22** 5-6
- Pigot & Co. — CB *British Atlas* **26**
- Pike, Z. M. **25** 16, 18; **26** 34
Pilote Français — CB **25**
- Pinargenti, S. — CB *Isole* **28**
- Pinkerton, J. — CB *Modern Atlas* **28-30**
- Pitt, M. **23** 36-7 (coat of arms); **27** 51; **29** 38 (Arctic); **30** 32
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- Place, W. **21** 24
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Pontoppidan, E. — CB *Dannemark* **24**
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1511 **22** 6 (modern World — Sylvanus); **24** 36 ad. (modern World — Sylvanus); **28** 17 ad. (modern World — Sylvanus)
1513 **28** 17 ad. (modern World — Waldseemüller); **29** ifc ad. (World)
1522 **26** 42 (modern World — Fries); **27** 66 ad. (modern World — Fries);
1525 CB **29** **30**
1535 **21** 10-12 (Palestine text-Servetus): — CB **26** **29**
1540 **22** 6: — CB **29**
1541 **21** 10-11 (Palestine — Servetus): — CB **24** **28** **30**
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1584 CB **24**
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1599 CB **28**
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CB *Schauplatz . . . der Welt* **26**
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CB *L'Amérique* **24**; *Atlas Antiquus* **30**; *Atlas Nouveau* **24-28**; *Atlas Nouveau . . . d'Allemagne* **30**;
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Santa Cruz, A. de **25** 18-19 (S. E. USA)
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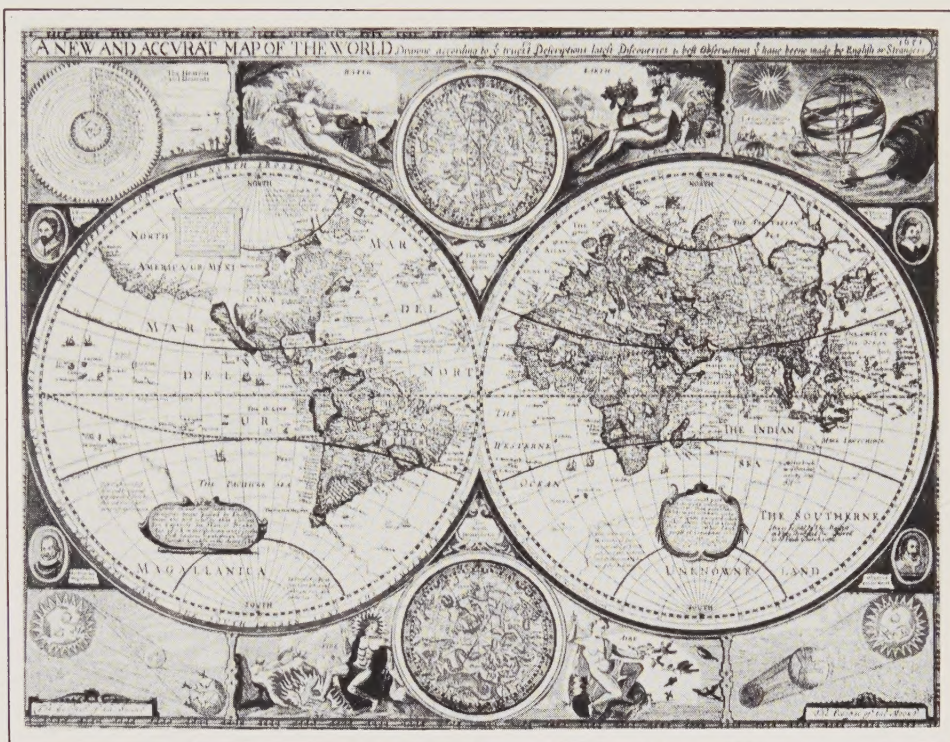
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