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Ashley Pope

Advertising Manager

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Photographic Research

Tessa Campbell

Subscription Manager

Violet A. Scott

Publishers

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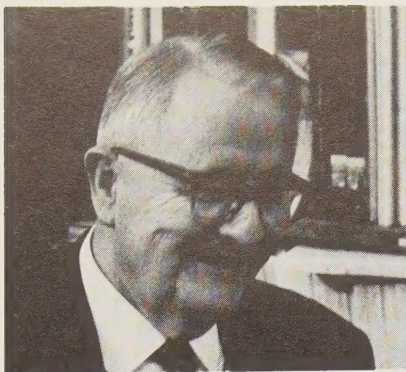
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This circa 1730 re-engraving by Covens and Mortier of Claude and Guillaume De l'Isle's 1703 map of New France is one of the more colourful of the numerous versions of the map printed during the eighteenth century. The De l'Isles' map is discussed in the article beginning on page 2, 'The French Mapping of North America, 1700-1760'. (By courtesy of the National Map Collection, Public Archives of Canada.)





Editorial

THIS IS THE nineteenth issue of 'The Map Collector' but the original concept and policy, formulated by me, remains the same. We aim to provide a wide spectrum of material concerning map collecting or map collectors but not attempting to be too technical in presentation. However, providing genuinely useful and up to date information and research intermixed with lighter articles of general interest.

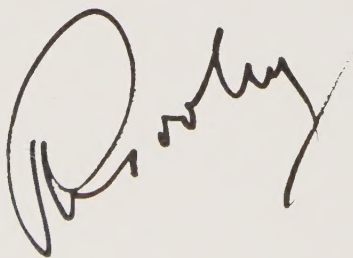
My own belief is that too fixed or rigid rules of procedure in cartobibliography can diminish rather than heighten an interest in the subject and that any author is entitled to choose his own form provided he is consistent.

We thought our readers would like to know that, as from this issue, 'The Map Collector' is being run by a new company called 'Map Collector Publications (1982)' so please could we ask you to get this name right on your cheques and subscription forms to us. Our address will remain the same.

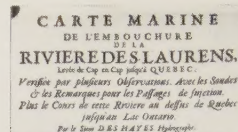
Also, as from this issue, Valerie Scott will be editor of the magazine and I would like to pay tribute to the work she has put in on editing and seeing each issue through the press since the first number in 1978. I shall be happy to continue working with her in my new position as Associate Editor. We also welcome Tessa Campbell who has now taken over from Catherine Slowther as our Picture Researcher.

We are also pleased to announce that we now have six editorial advisers including our latest recruit, Edward Dahl of The National Map Collection, Public Archives of Canada, who will represent us in his country. He is an indefatigable worker for the cause of early mapping and his advice and knowledge will, we know, prove invaluable. Our other advisers, to whom we owe debts of gratitude for their unflinching help and encouragement are Helen Wallis of The British Library, Brian Harley of Exeter University, Eila Campbell, Harry Margary and Walter Ristow (USA).

The antique map world has certainly been livening up this Spring. The highest price ever paid for a map was achieved at Christie's sale of *The Chew Family Papers* on April 1 in New York. (See news pages for full report.) This was a manuscript map showing a plan of the famous Mason-Dixon Line which was bought by Malcolm S. Forbes Jr., President and Deputy Editor-in-Chief of *Forbes Magazine*, who paid a mere \$396,000 (£220,000).

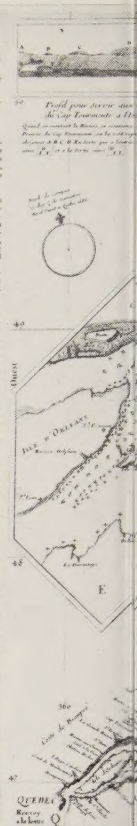


The French North America



C'EST CEtte est générale de réduire en pots de plusieurs Exempls
ces precedens fins en grand, & dont plus de distinction on a
eu en intervi les moindres qui ont beaucoup de fondes. On trouve
dans cette dernière des augmentations, correction, & de l'écoulement de l'usage
que la machine en soit & de l'usage au public, de l'usage aux Navigations
de Canale.

Until James Cook's surveys of the St. Lawrence River below Quebec appeared, this chart by Deshayes, published by de Fer probably in 1702, was the most reliable printed chart available. In 1757, Jefferys translated it into English and, with a few added notations and place names, published it as 'An Exact Chart of the/River St. Laurence', crediting Deshayes as the source of the portion below Quebec. (By courtesy of the Bibliothèque Nationale, France.)



In Issue 13, published in December 1980, we printed an article by Edward Dahl of the Public Archives of Canada and Conrad Heidenreich of York University, Downsview, Ontario, on the French mapping of North America in the seventeenth century. This is the follow up story of the mapping activity of the same area but during the eighteenth century.

BY THE CLOSE of the seventeenth century, most of New France had been adequately represented on printed maps. Four areas, however, remained little known to the European explorer: the Mississippi Valley, the lands west of Lake Superior, the maze of rivers and lakes along the north shore of the St. Lawrence River east of Montreal, and the Ohio Valley.

Seventeenth-century exploration had been carried out largely by men less interested in mapping than they were in furs and souls. It was a period during which Europeans came to know and to map in recognizable form the major river and lake systems of New France. Mapping during the period 1700 to 1760 – the last sixty years of New France's existence – was motivated principally by the more exact requirements of settlement, the safe movement of ships, territorial claims and war, all of which required greater cartographic precision and a type of mapmaker quite different from that of the preceding century. While amateurs were still active in the little-known periphery of New France, the strategic St. Lawrence River-Great Lakes area was now being mapped almost exclusively by French army and naval personnel. Most of the manuscript material produced by these men eventually found its way back to European military archives where it became accessible to a few professional cartographers for inclusion on printed maps. A study of the major printed maps based on this material reveals that the process of disseminating new-found geographical knowledge to the public was by no means as smooth and ordered as one might expect.

The cartography of New France in the eighteenth century can be divided into two periods at 1744, the year which marked the appearance of the printed maps of Jacques-Nicolas Bellin and the beginning of the War of the Austrian Succession (King George's

Mapping of 1700–1760

by Conrad E. Heidenreich and Edward H. Dahl



War). Both periods can be studied in terms of a number of printed map traditions that became standard outlines for the period and furnished the basic material for a host of map copiers. Between 1700 and 1744, the major traditions were the maps of the De l'Isles (Claude and Guillaume, especially the latter) and Lahontan, mapmakers who had their roots in the seventeenth century. After the appearance of Bellin's first maps, the earlier outlines were quickly replaced by those based on his maps and those of Jean-Baptiste Bourguignon D'Anville and John Mitchell. These new map traditions lasted until almost the end of the eighteenth century.

In the period before 1744, five important mapping activities took place, but the results of only two of these reached printed form during this period. In 1700 and 1701, Pierre-Charles Le Sueur explored and mapped the Mississippi River from the Gulf of Mexico to the junction of the Minnesota River. His manuscript map was copied by Guillaume De l'Isle in 1702 and was incorporated into the De l'Isles' 'Carte / du Canada / ou de la / Nouvelle France' the following year.¹ In 1685, the hydrographer Jean Deshayes had begun a hydrographic survey of the St. Lawrence River. The resulting chart was engraved and printed by Nicolas de Fer in 1702 as 'Carte Marine / De L'Embouchure / De La / Riviere De S. Laurens.' Reprinted in 1715 in a second state, it became the standard chart of the St. Lawrence during the French regime.

The other three important mapping activities found their way into print only when Bellin began using the manuscript maps at the *Dépôt des cartes et plans de la Marine* in Paris to construct the maps he provided for Pierre-François-Xavier de Charlevoix's *Histoire et description générale de la Nouvelle France*, published in 1744. In 1731, Pierre Gaultier de Varennes et de la Vérendrye pushed westward from Lake Superior.² During the preceding three years, he had questioned Cree and Assiniboin about the lakes country to the west and had obtained maps from them. One of these native sketch maps, drawn by the Cree Ochagach and others, was later used by Bellin and Philippe Buache. Between 1733 and 1750,

various members of the La Vérendrye expedition, none practiced in cartography, sent maps to Quebec which were then forwarded to the *Dépôt des cartes* in France.

At the same time as La Vérendrye worked his way to the West, the Jesuit Pierre-Michel Laure was exploring the Saguenay River area and the north shore of the St. Lawrence as far east as the Moisie River.³ Like many of his seventeenth-century predecessors who had explored the Great Lakes area, Laure was interested in geography. With the help of native informants, he drew five maps between 1731 and 1733 and these, like La Vérendrye's maps, were sent to the *Dépôt des cartes*.

Of the French cartographers working in North America in the eighteenth century, the most active were Gaspard-Joseph Chaussegros de Léry and his son of the same name. In his capacity as chief engineer of the army in New France, the elder Chaussegros de Léry had ample opportunity to travel, inspect and make recommendations for fortifying the country. Between his arrival in New France in 1716 and his death in 1756, he drew maps and plans that spanned the country from Louisbourg to Lake Superior.⁴ His son joined him in these activities in the 1730s when he was only in his mid-teens. None of their maps were published under their name, but most were used by others, such as Bellin, who had access to them at the *Dépôt des cartes*.

The printed maps before 1744 do not reflect very well the cartographic activity of the period, probably because the maps prepared in New France were accessible only to qualified personnel at the *Dépôt*. Until the *Dépôt* chose to release material, professional mapmakers had to use the old and familiar models, the most popular of which appeared in Claude and Guillaume De l'Isle's 1703 'Carte / du Canada' and the latter's 'Carte du Mexique' of the same date along with his 'Carte de la Louisiane,' dated 1718. The most obvious De l'Isle adaptations are John Senex's 'North / America' (1710); Nicolas de Fer's 'La France Occidentale dans / l'Amerique septentrionale' (1718); Gerard van Keulen's 'Carte de la Nouvelle France' [1718]; Zacharias Châtelain's 'Carte de la Nouvelle France' [1719]; and the New France portion of Henry



Popple's 'A Map / of the British Empire in / America' (1733). While the last three are really adaptations from the de Fer map, the prototypes for them all were the maps of the De l'Isles.

There are, of course, a number of cartographers who used even earlier models than those of Lahontan and De l'Isle, or who simply opted for invention. For example, Pierre Mortier's 'Carte Nouvelle De / L'Amerique / Angloise' [1700] appears to be partly based on Alexis-Hubert Jaillot's 1696 'Le Canada / ou Partie de la / Nouvelle France,' or the 1685 version 'Partie de la / Nouvelle France,' and also in part on Robert Morden's 'A New Map / of the / English Empire in / America' [1695]. The Morden map, with its distinctive outline of the Great Lakes, exists in five known states, the last bearing the imprint of John Senex in 1719. The most bizarre portrayal of New France is undoubtedly that of Cyprian Southack's. The outline of the Great Lakes on his circa 1717 'A New Chart of the English Empire in North America]' is almost wholly imaginary.

Manuscript mapping during the period which followed – from 1744 until the fall of New France in 1760 – was done mainly by military personnel and was confined largely to the strategic lower Great Lakes, between Detroit and Lake Champlain, and south into the Ohio country. Mapping during this period was prompted by the requirements of the French and English military forces who

were jockeying for position in an increasingly tense situation. Very little of this material found its way to the map trade in Europe and Colonial America before 1760.

The major maps which did find their way to publishers are Lewis Evans' 'A general Map of the / Middle British Colonies' (1755), based on information gathered by Evans himself, John Bartram, George Croghan and others; George Washington's 'Map / of the Western parts / of the Colony of / Virginia,' published with his *Journals* in 1754 and based in part on his own surveys; the work of Bellin who benefited from the surveys of the Chaussegros de Lérys (father and son); and the fine map of Lakes Ontario and Erie and the Ohio country by the Jesuit Joseph-Pierre de Bonnécamps in 1749 while a member of the Céleron expedition to lay claim to the area for France.⁶ This last map was the first relatively accurate one of the upper Ohio River.

The maps which furnished the principal models of New France for other mapmakers emanated from Bellin and D'Anville. The earliest of Bellin's flood of maps all appeared in 1744 in Charlevoix's *Histoire*, a work that was widely circulated in several languages. For the one map which is dated 1743, the 'Carte De / L'Amerique Septentrionale,' with which the work begins, Bellin had used the surveys of the Chaussegros de Lérys, the La Vérendrye-Ochagach map and the work of Father Laure. The 'Carte / Des Lacs du Canada' of 1744 was prepared almost wholly from Chaussegros de Léry material and it is this map which put into print the imaginary islands Philippeaux and Pontchartrain in Lake Superior. The other major map of New France in the *Histoire* was Bellin's 1744 'Carte / De La Partie Orientale / De La Nouvelle France,' the Quebec portion of which was based on a 1731 sketch map by Father Laure. These maps by Bellin constituted the first new material pertaining to New France to appear since the maps of Guillaume De l'Isle three decades earlier.

In succeeding years, Bellin made many changes to these early maps. In 1745, he published a magnificent pair of large maps, 'Partie Orientale / de la / Nouvelle France' and 'Partie Occidentale / de la / Nouvelle France.' The latter, extensively revised in 1755, was the most accurate map of that area until well after the fall of New France and therefore clearly established French claims to the disputed territory. In the same year, Bellin published a new 'Carte de / l'Amerique Septentrionale' from which he dropped the Ochagach version of the lands west of Lake Superior and adopted one by La Vérendrye prepared in 1750 for Roland-Michel Barrin de la Galissonière, then commandant general of New France. On this map, Bellin also changed the lower Great Lakes-Ohio area to correspond to the surveys of Father Bonnécamps. The map, which was accompanied by a book on the geography of North America,⁷ was the most comprehensive and up-to-date map published by the French before the fall of New France in 1760.

The popularity of Bellin's outlines is demonstrated by the widespread copying of the map by other mapmakers even after 1760. Large portions of it were copied, for example, by Thomas Jefferys for his 1762 'A Map of / Canada,' by Jonathan Carver for his 'A / New Map / of / North / America' of 1778, and by Thomas Conder for his 1782 map, 'North America / agreeable to the / most approved / Maps and Charts.'



A detail from Southack's circa 1717 'A New Chart of the English Empire in North America' shows his unusual rendering of the Great Lakes, one of the few if not only portrayals of the area not based on French sources. In a legend, Southack warned that the French were hemming in the British along the Atlantic coast by settling the interior. (By courtesy of the John Carter Brown Library, Brown University, Providence, Rhode Island.)

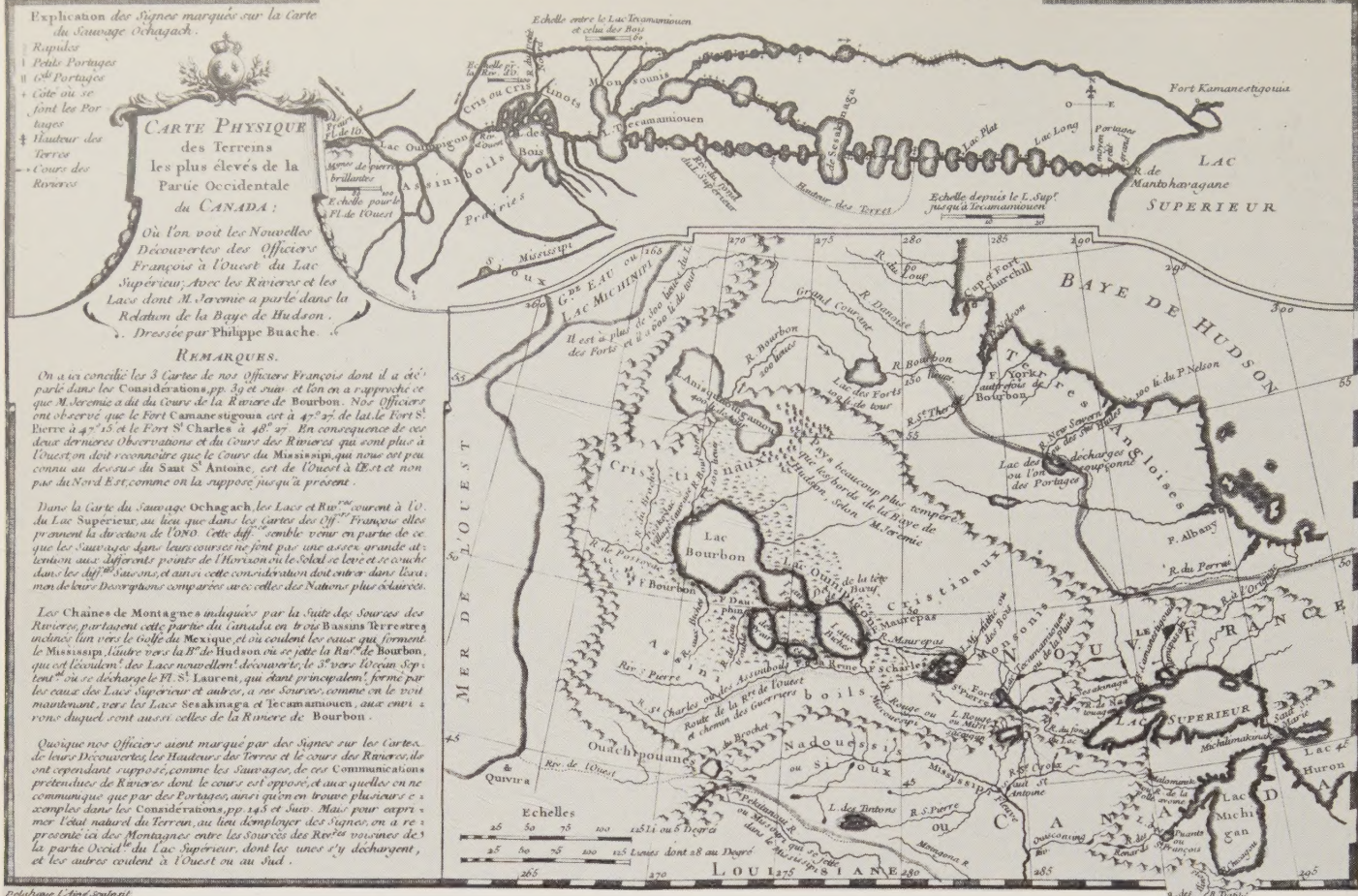
When discussing the printed versions of the La Vérendrye material, two maps by Philippe Buache deserve notice. During the 1720s and 1730s, Buache was active in the French *Dépôt des cartes* where he had access to manuscript material. His 'Carte / des / Nouvelles Découvertes / au Nord de la Mer du Sud,' which appeared in 1752, and the 1754 'Carte Physique / des Terres / les plus élevés,' with its inset of the original Ochagach map, are both based on La Vérendrye maps different from those used by Bellin. The remainder of New France on Buache's maps is modified from the maps of De l'Isle or the de Fer map of 1718.

Other important maps derived from Bellin's are those of Gilles Robert de Vaugondy which first appeared in his *Atlas portatif* (1748-[49]). Between 1750 and 1753, he modified the Bellin delineations slightly with material taken from D'Anville and published these in his 1750 map 'Amérique / Septentrionale,' and his 'Carte Des Pays / connus sous le nom de / Canada' (1753).

In 1746, Jean-Baptiste Bourguignon D'Anville published his influential 'Amérique / Septentrionale,' with a revised plate in 1754 or early 1755, a date based on the inclusion of Fort Duquesne, built in 1754, and the fact that Thomas Jefferys' 'North America / From

Bellin's 1744 map of the Great Lakes, one of his earliest maps to show New France, is based on manuscript maps in the French marine archives, especially the maps of the Chaussegros de Lérys. Bellin's maps put into print the first new geographical information about New France since the maps of Guillaume De l'Isle, published nearly three decades earlier. (By courtesy of the National Map Collection, Public Archives of Canada.)





The inset of Buache's 1754 map put into print the Cree Ochagach's version of the area west of Lake Superior, taken from a map which La Vérendrye had sent to Quebec in 1729. In the main part of the Buache map, the same region is shown based on a map that had emanated from a 1749 La Vérendrye expedition. The Mer de l'Ouest at the western margin was an illusion based on Indian tales which Buache and his uncle, J.-N. De l'Isle, defended for some time. (By courtesy of the National Map Collection, Public Archives of Canada.)

the French of / Mr D'Anville,' published in May 1755, was a copy of much of this map. In 1755 D'Anville published a revised version of his map at a much larger scale, titled 'Canada / Louisiane / et / Terres Angloises,' supplemented in 1756 by a *Mémoire* on the geography of New France and adjacent areas.⁸ Other English maps based on D'Anville for New France include Solomon Bolton's 1752 'North / America' and John Huske's 'A / New and Accurate Map / of / North America' [1755].

The Bellin and D'Anville versions of New France became the model for John Mitchell's 'A Map of the / British and French Dominions in / North America' of 1755. Of his two great predecessors, Mitchell used mainly Bellin, but made significant changes in the Lake Ontario-Lake Erie-upper Ohio area. This map was expressly prepared to justify British claims in North America and the final version was sanctioned by the British Board

for Trade and Plantations in London.⁹ Mitchell's map was an immediate success. A small-scale copy appeared the same year, engraved by T. Bowen, titled 'A Map of the British and French Settlements in North America.' Also in 1755, a Society of Anti-Gallicans published 'A New and Accurate Map of the English Empire in North America' based on Mitchell. French cartographers were also influenced by the Mitchell delineation as can be seen on the Robert de Vaugondy maps of 1755, 'Partie / de l'Amerique Septentrionale' and 'Partie de / l'Amérique Septent?' the latter having an excellent inset of the Great Lakes titled 'Supplement / Pour / Les Lacs du Canada.'

The most distinctive feature of the English maps after 1755 is their extravagant land claims in North America. Some labelled the French 'intruders' or 'usurpers,' and most limited French possessions to the St. Lawrence River between Montreal and



Bellin's 1755 map of North America is the most up-to-date and comprehensive map printed by the French before the fall of New France. For most of the areas shown, it is based on manuscript maps produced after 1730. Unlike most of his contemporaries, Bellin avoided the problematic question of political boundaries which were continually being disrupted and frequently changing. (By courtesy of the National Map Collection, Public Archives of Canada.)



In compiling his great map of 1755, Mitchell relied heavily on French cartographers, particularly Bellin and D'Anville for the New France area. More than twenty states of Mitchell's map appeared between 1755 and 1791, in several languages. (Reproduced here is a circa 1774 version.) In 1783, one of the versions was used to settle the boundary dispute between Canada and the United States. (By courtesy of the National Map Collection, Public Archives of Canada.)

Tadoussac or to the lands immediately surrounding their settlements. On the Bolton map, it is even claimed that D'Anville's boundaries, based on the Treaty of Utrecht (1713), are 'an arbitrary Fiction, false and unjust, designedly done for our People to copy.' Almost all of the descriptive notes on the English maps after 1755 were clearly propaganda, probably designed to muster enthusiasm for a campaign in North America. None of the French maps indulged in the lengthy marginal notes or strident territorial claims so common on the English maps. Most of the claims on these English maps were based on the assumption that land 'conquered' by the Iroquois belonged to the British crown since Britain claimed 'suzerainty' over the Iroquois under the Treaty of Utrecht. The independently minded Iroquois tribes would no doubt have found this concept amusing since most of them were, from 1701 to 1759, at peace with the French through formal treaties. Moreover, the Iroquois had also made treaties with various French native allies such as the Ottawa and Ojibwa bands permitting the latter to settle Southern Ontario, and with the Mahican, Tionnontate (Wyandot), Delaware and Shawnee, allowing them access to the Ohio country. These were areas claimed by Britain which the Iroquois considered their own to dispose of by formal treaties to other native groups. In a sense, the British maps are ironic in that they laid claim to a country explored and mapped by the French for over 160 years, a country about whose geography few Englishmen would have had the slightest notion had it not been for the published French maps to which they had access.

At the time of the fall of New France in 1760, the printed maps which best express European knowledge of North America are Bellin's 'Carte de l'Amerique Septentrionale' of 1755 and Mitchell's map of the same date, a skilful fusion of both British and French material. In terms of contemporary knowledge, Bellin's map was deficient in its portrayal of the English-occupied areas on the Atlantic Coast, whereas Mitchell suffered principally in the Ohio area and the country west of Lake Superior where he chose to ignore French maps. Both maps, curiously enough, are still surpassed in accuracy in the Mississippi area by the De l'Isle's 1703 'Carte / du Canada.'

In summary, the significant models for the cartography of New France between 1700 and 1760 are the maps of Guillaume De l'Isle, based largely on material obtained prior to 1702, and the maps of Bellin and D'Anville based on surveys conducted between 1725 and 1750. For the Great Lakes-St. Lawrence River area, the British maps of the period were largely copies of well-known French maps. Only in the Ohio Valley, the Iroquois country and the Lake Champlain area do some British maps show evidence of original work. After 1744, more and more of the detailed French and British mapping was a consequence of concerns for defence and military operations, and the use in 1755 of maps for propaganda purposes is certainly a striking instance of such a function for cartography in North America.

References:

Note: Titles of both printed and manuscript maps have been enclosed in single quotation marks. The use of upper and lower case in these titles and of obliques to indicate line endings is done to help distinguish similar maps from each other. Ellipses have not been used to indicate deletions at ends of titles. Square brackets have been used to denote supplied information, especially dates.

- 1 This map is discussed and reproduced in C.E. Heidenreich and E.H. Dahl, 'The French Mapping of North America in the Seventeenth Century'. *The Map Collector*, Issue No. 13 (December 1980): 9-11 and a 1730 re-engraving appears on the cover of the current issue.
- 2 La Vérendrye's maps and journals are reproduced in L.J. Burpee, ed., *Journals and Letters of Pierre Gaultier de Varennes de la Vérendrye and his Sons* (Toronto, 1927).
- 3 An English translation of the 'Jesuit Relation' containing Father Laure's journal is found in R. G. Thwaites, ed., *The Jesuit Relations and Allied Documents*, 73 vols., (1896-1901; reprint ed., New York, 1959), 68:25-117.
- 4 For a biography of the elder Chaussegros de Léry see *Dictionary of Canadian Biography*, 3:116-19. The son's life is treated in volume 4, pp. 145-47.
- 5 See D.N. Hayne's biography of Lahontan in *Dictionary of Canadian Biography*, 2:439-45.
- 6 An English translation of Bonnécamp's account of the making of this map is found in Thwaites, *Jesuit Relations*, 69:151-99.
- 7 J.-N. Bellin, *Rémarques sur la carte de l'Amérique septentrionale* (Paris, 1755).
- 8 J.-B. D'Anville, *Mémoire sur la carte intitulée Canada, Louisiane & Terres Angloises* (Paris, 1756).
- 9 For a discussion of Mitchell's map see E. Berkeley and D.S. Berkeley, *Dr. John Mitchell: The Man Who Made the Map of North America* (Chapel Hill, 1974), especially footnote 50, pp. 210-11.

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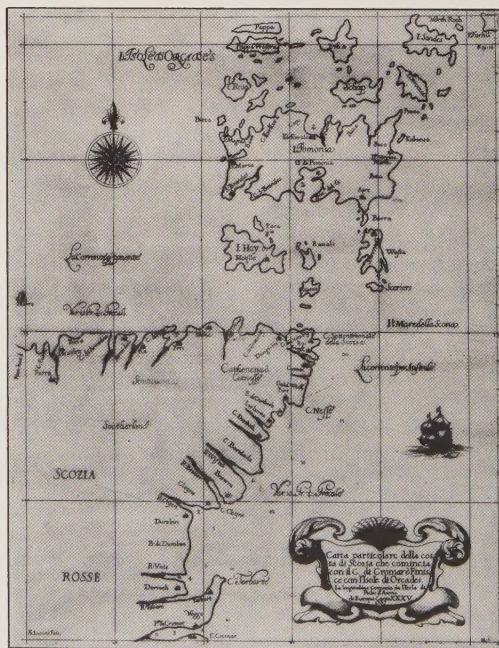
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Telephone: (212) 475-6777

Sir Robert Dudley's Contributions to Cartography *by O.A.W. Dilke and Margaret S. Dilke*

ONE OF THE MOST colourful characters in the early atlas period, Sir Robert Dudley, has attracted too little attention from modern writers. The story of his life alone offers a rich quarry for novelists and dramatists. His contributions to science and instrument-making, ship design and naval warfare are of such an order as to find a place in technical history. There is no doubt that as a young man he was a courageous explorer and embodied the adventure spirit of the time. Moreover he was a hard-working seeker after learning about the sea, imbued with a desire to explore the world and develop it commercially for whichever country would house him. He was inventive and was able to write well in English, Italian and French.

He was concealed at birth (1574) to prevent Queen Elizabeth I discovering that his father, her favourite the Earl of Leicester, had had an affair with Douglas Lady Sheffield. It was never proved that they married. Both parents had certainly had previous spouses; his father married again in 1578 and his mother in 1579. Robert tried hard to prove himself legitimate in the courts, so as to inherit family titles.¹ Leicester did bring him up and left him much of his estate, though in his will he refers to him as his 'base son.' In 1620 the Emperor Ferdinand II issued a patent so that Dudley could assume throughout the Holy Roman Empire his

grandfather's title, Duke of Northumberland.

Dudley matriculated at Christ Church, Oxford, in 1588, the register describing him as *filius comitis*, 'earl's son.' He achieved distinction early under the English crown as he had the money and knowledge to build ships: from the age of 17 he had studied navigation and naval warfare. The Queen vetoed his intention to sail to the South Seas, but in 1594 he led an expedition to the Orinoco and Guiana.² Although he himself thought this 'not worth the registering,' he agreed in 1600 to Richard Hakluyt's request to write it up for the *Voyages*. He had a command in the Cadiz expedition of 1596 and was knighted for his services. But during the period, 1603-5, when (as above) he was trying to prove his legitimacy, the then Countess of Leicester accused him of conspiracy and defamation. He abandoned his third wife Alice and fled the country, taking with him his cousin Elizabeth Southwell (disguised as his page), who really does seem to have been the love of his life. In France they declared themselves Catholics and were married, after obtaining a papal dispensation on the ground that he had married Alice before his second wife had died. He went on to Italy, ignored an order by James I to return home, and sought the protection of the Grand Duke of Tuscany, living in exile in the Florence area for the rest of his life.

The date of his arrival, about 1606, was opportune. Grand Duke Ferdinand I, assisted by the Knights of St Stephen, was trying to rid the Mediterranean of pirates, so as to make commerce safer. Dudley was able to offer his knowledge of shipbuilding and naval warfare, and continued in this rôle when Cosmo II succeeded in 1609. He also, as one of five consultants under Giovanni dei Medici, made a contribution, before Ferdinand died, to the drainage of the marshes round Pisa and the development of Leghorn as a fortified commercial port, all of which stimulated the wealth of Florence. He became Chamberlain to Cosmo's wife, who was the sister of the Emperor.

Dudley also floated ideas for developing the newly discovered lands, especially in America; but the ships he built brought little back, such was the Spanish monopoly. Yet his attempt to illustrate the world's opportunities resulted in the magnificent portolan atlas, containing detailed charts of every known coastline, which is incorporated in the *Arcano del Mare*. Years of research are indicated in these and his outlines of explorers' voyages and their descriptions. His title means 'secret of the sea'; and one has to remember that details of cartography were often regarded as 'trade secrets.' He is perhaps unusual in the degree to which he gives his sources, even though whose maps he used to compile his outlines can still in some cases be a matter for speculation.³ To what extent did he actually use the most up-to-date source for any one area?⁴ For only one can he be regarded as the discoverer, that of parts of the West Indies and of adjoining South America. His 1594 voyage is the earliest recorded English attempt to occupy Trinidad and ascend the Orinoco. The appearance of this chart is very different from most of the others in the atlas, in that it contains sketches of natives and animals. He uses the discoverer's prerogative of naming a Dudley island and distributary in the Orinoco delta. He also has a report of mineral wealth, obtained partly personally and partly by Captain Richard Thornton from natives of the area, many words of whose language he lists. The calligraphy is different, and there is a dedication to his patroness the Grand Duchess. It is said to have been prepared for a publication of 1637⁵ and is obviously one of many drafts, perhaps also including later discoveries.⁶

On the charts elsewhere little is shown of interiors: they are essentially coastal charts and in that sense are in the portolan tradition. Towns are given a symbolic building in vertical profile, and Genoa, for example, has many round the bay, as on some earlier portolans, it displays a pictorial harbour. Here and there special features are drawn in vertical elevation, e.g. Monte Hekla (as an erupting volcano) in Iceland. One marked difference from



Sir Robert Dudley. (By courtesy of The British Library).



The coast of South America around the Orinoco Delta and Trinidad, from Dudley's *Arcano del Mare*, Book VI, America, Map xiii. It is dedicated to his patron, Ferdinand II, Grand Duke of Tuscany, by Don Roberto Dudleo, Duke of Northumbria. The calligraphy of this map and of that to the east of it, which includes the mouths of the Amazon, is different from others in the *Arcano*; it originated in his expedition of 1594. (By courtesy of Sotheby's.)

earlier portolans is the absence of rhomboids and wind-roses. Dudley constructs all his charts on a grid of latitude and longitude in single degrees, at right angles, modelled on Mercator, of which projection he gives a poor explanation; and some problems of accuracy are related to this. His charts are on varied scales, sometimes several of one area. His origin of longitude is the centre of the Isola del Pico (Azores), from which degrees are all reckoned eastwards.

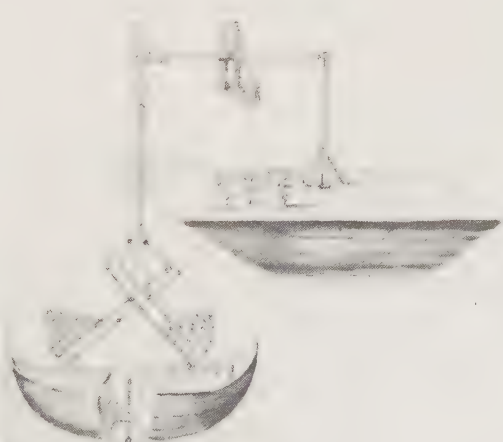
The world coverage is necessarily uneven in accuracy and is something of a record of European knowledge up to that date; but Dudley is not always the best informant for any particular area. The Mediterranean is naturally drawn in great detail, though the shape of some parts is not as good as in certain earlier portolans. The coasts of Africa and South America are complete, but the drawing of North America is still speculative in the north and north-west. Of Asia, the north coast is still *terra incognita*, while in the east Dudley attempts with only limited success to incorporate the latest investigations of Japan. But south-eastwards he reaches out beyond Malaya to include Dutch discoveries of New Guinea and a part of Australia (Cape York Peninsula), even including a

possible Torres Strait, so that he has been described as the first Englishman to make a map of Australia.

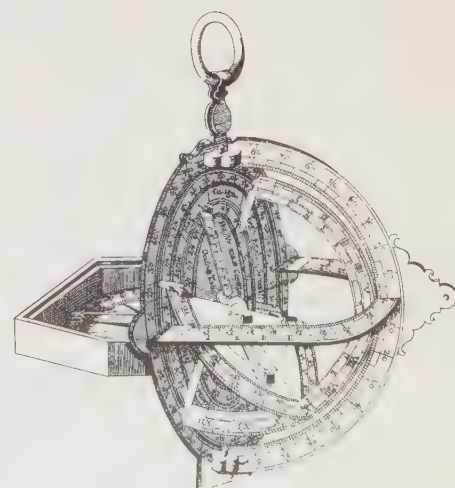
The calligraphy of the *Arcano* is in Florentine style and was executed by Antonfrancesco Lucini, who claimed to have taken twelve years of work, domiciled in an unknown village outside Florence, and 5,000 lb. of copper to complete the engraving. Yet it may be considered the earliest printed nautical atlas by an Englishman and the first to use the Mercator projection. Its first edition was published in 1646-8 and dedicated to Grand Duke Ferdinand II. A second edition was published posthumously in 1661, Dudley having died in 1649. Ferdinand seems to have promoted the work for no other apparent purpose than for making handsome presents to foreign rulers, perhaps to bolster up his declining power.

The charts constitute only part of the *Arcano del Mare*. In Book II there are 15 charts to illustrate portolans, their achievements and errors, and voyages of discovery. Book VI is really a world atlas of the period. The remainder of the work consists of writings to explain navigation, latitude and longitude, winds, tides, military and naval warfare, naval architecture, and instruments.

A dredging machine from the same manuscript. The beginning of Dudley's caption may be rendered: 'When the boat is full of mud, it is stood offshore or in some river and is opened at A, moved by lever B'. This invention is related to Dudley's interest in harbour improvement and in the Pisa marsh drainage. The work carried out there under the Grand Dukes has been said to be the basis of drainage up to recent times (Add. MS 22811, f. 184. By courtesy of the British Library.)



Robert Dudley's nautical astrolabe from J. Temple Leader's *Life of Sir Robert Dudley*. This instrument, which appears on the title page of *Arcano del Mare*, has not been found but two parts of what might be a similar instrument, one signed 'C. Whitwell', are in the Museo di Storia della Scienza in Florence. This museum has three signed Dudley instruments: a quadrant, a wind-rose and an astrolabe.





Sardinia and part of Corsica from *Arcano del Mare*, Book VI, Europe, Map vii. On comparing this with the manuscript original, it can be seen that the coast has been retouched in places (N.W. Sardinia shows an improvement), while names of islands and seas, the title in a cartouche and a wind-rose have been added. The lettering is in the more elaborate and professional style of Lucini

Dudley illustrates his constructions and supplies working models with volvelles and pointers which can be moved for calculations. The Museum of the History of Science in Florence has two very finely constructed instruments in brass bearing Dudley's name. Up to about 1946, the Specola Museum in Florence possessed working wooden models of the instruments devised by Dudley. Unfortunately they were unwittingly destroyed in the building's incinerator during a fuel shortage.

A manuscript, probably datable to 1636, of the charts (Books II and VI), bound in three volumes, is to be found in the Bayerische Staatsbibliothek, Munich⁷; the manuscript of his naval architecture (Book IV) is also in Munich. A microfilm and print-out of the manuscript of the charts can be seen in the Map Room of the British Library. It is in Italian for the most part and contains charts in various drafts. A constant search for accuracy is evident, even if he does not necessarily achieve it. A chart of the Brazilian coast has sections full of crossings-out, and then a new drawing is inserted. An earlier manuscript has been quoted⁸, of which the first

two volumes are said to have been dated 1610 and the third about 1620; but we have been no more successful in our search and enquiries in Florence in September-October 1981 than was Father Schütte in tracking down any such manuscript. In the British Library there is a beautifully drawn and coloured manuscript of Dudley's dated 1629⁹, mostly of ships but also containing plans for Leghorn mole and mechanical equipment.

The *Arcano* and manuscripts deserve more attention from modern scholars. The analyses by Schütte and Tyacke (nn. 3, 4) demonstrate the kind of problems thrown up by the charts as regards their place in the source material of the period. The earlier manuscript, if it could be found, might reveal whether Dudley's interpretations had developed between the period shortly after his arrival in Florence and the publication of the atlas. But there is much to be learnt from comparison of the many drafts in the later manuscript. One of the problems seems to have been that to Italians he was English and they have so many compilers of their own to investigate. For English-speaking researchers there is the

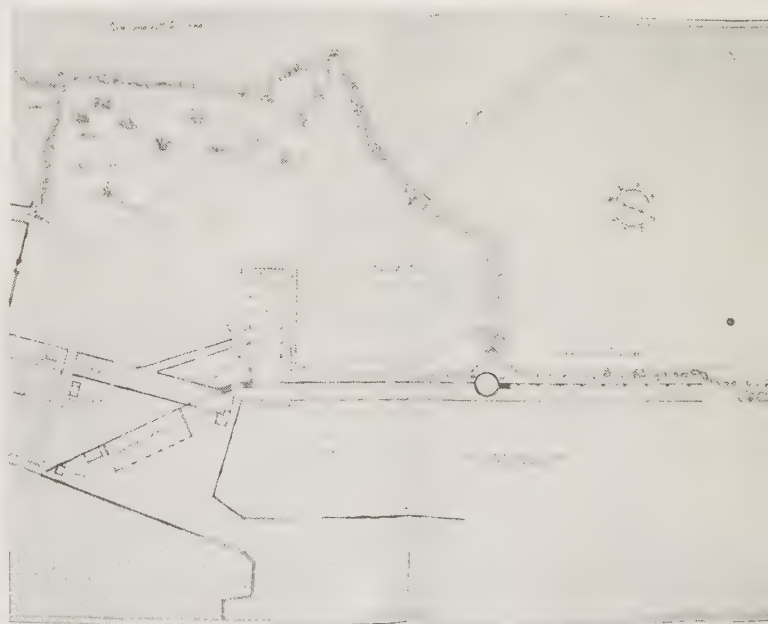


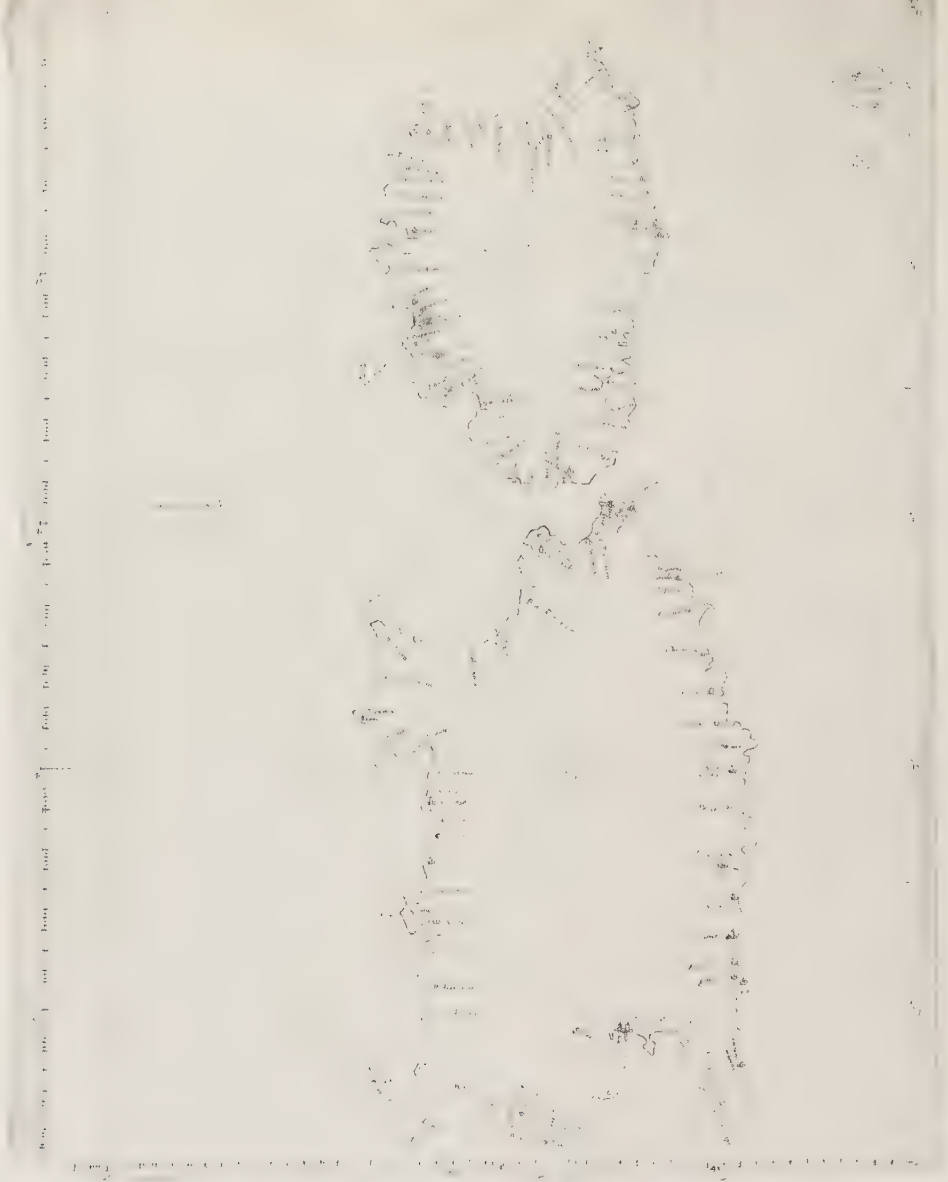
Cape York Peninsula, Queensland, from *Arcano del Mare* 2nd edition, Book VI, Asia, Map xviii. Dudley calls it the Costa Australe discovered by the Dutch. (By courtesy of Sotheby's.)

problem that nearly all his extant cartographic material is in Italian, and the main existing manuscript has only been able to be consulted far away in Munich. Now the British Library has overcome this obstacle.

According to the attitudes of contemporary and later writers, Sir Robert Dudley, self-styled Earl of Warwick, varies from his own (and Abram Kendal's¹⁰) version of a far-seeing potential admiral, able to organise the British sea trade, or later solve all the problems of his adopted Tuscany, to that of an adventurer whose wild schemes ought to be curbed. He certainly seems to have boasted too much about his part in the Arno delta scheme, which must have been planned before he appeared on the scene, even though he largely directed the fortification of Leghorn. He must have been over-confident of his promotion schemes in America: Florence got nothing out of them but a few Indians, all except one of whom died shortly after arrival. Yet there comes through a great respect for his technological achievements and his knowledge of the world. In spite of his wild attempts to secure his fortune by disrupting British ships in Leghorn at one stage, the Grand Dukes

Dudley's plans for the harbour of Livorno (Leghorn) from a manuscript volume called by him 'drawings of ships and new method of fortification'. The arrow points North (T = tramontana). At the top is the area facing the Cosimo mole; at the top right, a small mole; there is a rectangle with a broken line on the N.E. side, there is a timber yard too. The scale is in Florentine cubits (Add. MS 22811, f. 193. By courtesy of the British Library.)





Corsica and Sardinia from the manuscript of *Arcano del Mare*, Tome I. (MS Icon. 138. By courtesy of the Bayerische Staatsbibliothek, München.)

stood by him. He was wealthy enough to run a large house in Florence and an estate nearby and to raise a second family of twelve or thirteen.

Dudley's problems of parentage might in a psychologist's eyes have created a 'chip on the shoulder' mentality. This could account for some of his excesses, which led to accusations of conspiracy. His amorous adventures and marital muddles, and finally his conversion to Roman Catholicism at such a time in England's history, added to contested claims to titles, made his exile inevitable. His work then at the heart of the Tuscan realm, with all the talents of Florence at his disposal, made forty years later for the great publication success of his chart-making. But perhaps it is mainly as the work of an armchair compiler, who did not always have access to the latest discoveries, that we must see his 1646-7 atlas.

And as a man, how do we judge him? His first marriage, though somewhat concealed from the court, seems to have been reasonably regular, and certainly brought him wealth from the circumnavigator Thomas Cavendish, as well as the necessary influence and knowledge at sea. His odd attitude about his fiancée or second wife again might be part of court *mores*. But to insist later that she was his wife, and that therefore he could not have been legally married to Alice (by whom incidentally he had four children), when he wanted a convenient excuse for a papal dispensation, and to have abandoned Alice and her children, lend credence to the writings of his detractors.

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Notes

- 1 Dudley ed. Warner (1899), pp. xxxviii-xlvi; Dudley papers at Longleat and Penshurst.
- 2 Dudley ed. Warner (1899): (a) Capt. Wyatt's narrative, from Brit. Lib. Sloane MS. 358; (b) Dudley's own account, from Hakluyt's *Voyages* III (1600), 574; (c) Abram Kendall's narrative, from Dudley, *Arcano* (1646-7), Book II, ch. V, p.12.
- 3 Schütte (1969).
- 4 Tyacke (1980).
- 5 No such printed chart of 1627 is known; either it has been lost, or he never actually had it printed before 1646-7.
- 6 The coastline draft in the München MS., reproduced in Tyacke (1980), was not included in the *Arcano*. Dudley's chief later source for the area was Capt. Richard Thornton, sent to Guiana by Grand Duke Ferdinand I in 1608.
- 7 MSS. Icon. 138-140.
- 8 Philip Lee Philips, *A List of Geographical Atlases in the Library of Congress* (Washington, 1909), i.206. The Specola, where it is said to have been, is now a zoological museum. The Museum of the History of Science, Piazza dei Giudici, did not receive any such manuscript from the Specola. There are miscellaneous Dudley papers in the National Archives in Florence.
- 9 Brit. Lib. Add. MS. 22811; Northumbria, Roberto Dudleo Duca di, *Disegni di Navi e Nuova Maniera di Fortificazione*.
- 10 See n.2 (c).



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Permission to Survey

by Heather Lawrence.

Before the famous mapmakers of the Elizabethan era could venture forth on their surveying tasks they had to obtain official permission in the form of 'passes.' Heather Lawrence has discovered some of these 'passes' which throw some new and interesting light on the working methods of these men.

CHRISTOPHER SAXTON, JOHN NORDEN and JOHN SPEED, the three pre-eminent English cartographers of the late sixteenth and early seventeenth centuries, all aspired to produce

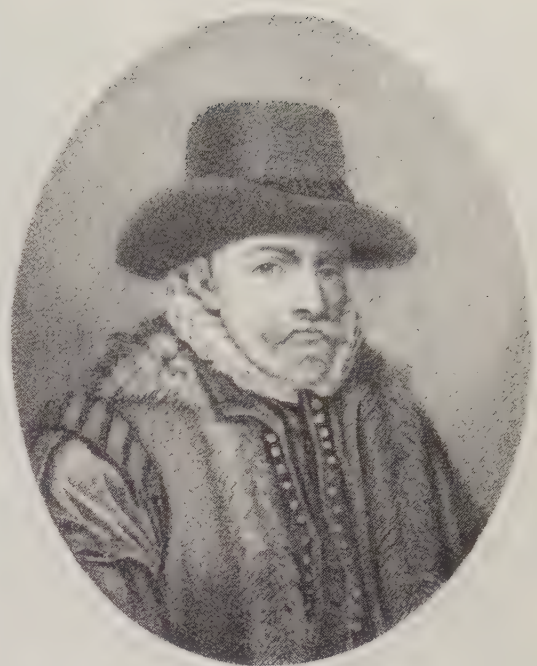
atlases or other works of national appeal but the results of their labours appeared in differing format.

The first, Christopher Saxton, had Thomas Seckford as his patron, but the project, it is felt, must have been greatly encouraged, if not instigated by Lord Burghley with the approval of the Queen. Saxton must therefore have found most doors opened to him on his travels around the country. The result was an atlas of maps of all the counties of England and Wales. John Norden's ambition was to improve on Saxton's atlas by producing

Two different portraits of Sir William Cecil, Baron of Burghley, who had more influence on Queen Elizabeth I than any other person. It was he whose approval was necessary for permission was granted to surveyors to proceed with their work. (By courtesy of The British Library.)



a series of county 'chorographies' each of which would contain not only a map of the particular county (containing more detail than found in Saxton's maps), but also a topographical and historical description. He also hoped to include maps of the chief cities. Despite receiving permission from Lord Burghley to execute his scheme Norden could not find a patron, and without financial backing his project failed.¹ John Speed was basically an antiquary and historian and his atlas was compiled to accompany his *History of Great Britaine*. In this task he drew on the work of earlier mapmakers, Norden for preference, Saxton, William Smith and others, which his Dutch engravers presented in an attractive fashion, together with coats of arms, coins and other features of antiquarian interest, details of which Speed had gathered on his travels. Each map is backed with a topographical and historical text. Speed's biggest cartographic contribution was his town plans, some were copied from earlier sources but a large proportion he



John Speed, antiquary, historian and mapmaker.

surveyed and drew himself. Both the atlas and history were published commercially by George Humble in partnership with his uncle John Sudbury, and it was they who owned the 'copyright' of the maps and text.

Before each of these three mapmakers could travel the country to accomplish their surveying tasks, official permission had to be obtained. Without it they could not venture forth. It is recorded that Saxton first received 'letters,' or a commission from the Queen, in July 1573, but that first 'pass' no longer survives. It was probably the same, or very similar, to that issued on March 11th, 1575 which reads:

At Westminster, the xjth of March, 1575

A placart to (blank) Saxton, servant to Mr Sackeford, Master of the Requestes, to be assisted in all places where he shall come for the view of mete places to describe certein counties in cartes, being thereunto appointed by her Majesties bill under her signet.²

Even more familiar is the order for assistance to be given to Saxton during his survey of Wales:

At St James the xth of Julie 1576

An open Lre to all Justice of peace may^{ors} & oth^{rs} etc wⁱⁿ the severall Shieres of Wales That where (whereas) the bearer hereof Xpofer Saxton is appointed by her Ma^{tie} under her signe and signet to set forth and describe in coates (cartes) pticulerie all the shieres in Wales That the said Justices shalbe aiding and assisting unto him to see him conducted unto any towre Castle highe place or hill to view that countrey and that he may be accompanied wth ij or iij honest men such as do best know the

contrey for the better accomplishment of that service and that at his deptime from any towne or place that he hath taken the view of the said towne do set forth a horesman that can speake both Welshe and Englishe to safe conduct him to the next market Towne. etc.³

Norden's passes however, request further assistance for the bearer who was, after all, not only making a cartographic survey, but also an historical one. Consequently a request was included that Norden be shown 'anie ancient muniments Books Rowles or records.' Norden's first chorography is that of Northamptonshire which he dated 20th September 1591. Norden presented it to Lord Burghley, opening with an appeal to the latter saying: 'I long attended yo^r hono^r for thobteyninge of warrant to proceede . . . ' and 'I desire . . . more exactlye to proceede in this and all other shires in the like or suche other order as by yo^r hono^r I shallbe directed and enabled by authoretie . . . expecting nothinge but yo^r honorable helpinge hand for my furnishinge and further command . . . ' Norden concludes the book with another appeal to Burghley saying that he has included a 'platt' of Higham Ferrers and suggests that 'the most principall townes Cyties and castles within every Shire should be breefly and expertly plotted out, in such estate and forme as at this day they are.'⁴

Norden's appeal had little success. He was certainly encouraged to proceed for in May 1592 he was granted a ten year privilege to print and 'publish a book called Speculus Britannia or a description of England and Wales and cartes (charts) and mappes thereof . . . ' The earliest known pass dates from January 1593/4, after Norden had published his chorography of Middlesex, so presumably there must have been at least one earlier, for without

such a pass it seems that surveyors were unable to proceed. It reads:

Whereas the bearer herof John Norden gent is authorised and appoynted by her ma^{tie} to travayle into the severall counties of this Realme of England & Wales, and to make pfect discripcions charts and mappes of the same by information inquisicon and view by him to be made of the places. Theyse shalbe not onlie to will and require you and in her Ma^{ts} name straightlie to chardge and comand you and everye of you, not onlie to pmitt and suffer the sayd John Norden quietlie and wthowt anie mennice lett or dysturbance to trauaile and passe from place to place about the same busines, and to view search visit and enquire all and every such thinge and things as shalbe necessary and expresed for the pforminge and pfectinge of the same descripcions chartes and mappes. But also if ther shalbe anie ancient muniments, Books Rowles or Records that may further or helpe this his worke, to ayde assiste and helpe him wth the sight and view therof wth all good favour furtherence and curtesie that you may therin afford him, and also with the helpe and assistance of suche as shalbe beste accuaynted with the counties for the furnishing of his so good a worke whereof we praye and require you herwyth not to fayle from this work Hampton Court the xxvijth of Januarye 1593.

It is signed by Burghley and nine other members of the Privy Council and is addressed to 'all Lieutenants of the counties Mayors Sherifes Justices of the peace and to all other her Ma^{ts} officers and loving subiects whatsoever and to every of you.'⁵

The emphasis changes in Norden's second pass, dated July 1594 (some six months later), and a suggestion is made that as

John Norden's manuscript map of Hertfordshire in his Chorography of the county compiled in 1597 and dedicated to the Countess of Warwick. A second, slightly different, description and map survive in the library of Lambeth Palace, dedicated to William Cecil. It was engraved by William Kip and published in 1598 by which time Cecil had died and the printed work was dedicated to Edward Seymour, Earl of Hertford. The British Library has a copy which was presented to Queen Elizabeth and in which Norden wrote an (unsuccessful) appeal for support. (By courtesy of Desmond Burgess. Photo by John Webb.)



Forasmuch as the bearer hereof John Norden gentleman hath bene diligentlie
and diligentlie travailed to the more perfect description of the severall parts
of the Realme, giving alwaies range to get more in the respective parts
to his great commendation. And intending to proceed in this sort as he hath done
his abilities will permitte him. Heist as he reporte vnto your Honor to
pray and require you and everyone of you to send him a list from you of the best
places and places as he shall haue cause to see the same in his travels
in his way he cometh vnto you are in possession of the same to the
better and more perfect perfecting of his good work. And all that he doth
excellent pray you considering the state and abilities of the said John Norden.
it no waies amissurable to his good mynd, nor may cause a hindrance
or delay to his good worke. To the altho' you best meanes for some voluntary
beneuolence or contribution to be given by gentlemen and others well
affected to his service. And as all others for the said Substantive shall stay
the fruit and benefit of his labors and travailes. And soe recommending
you to your good favour. I bid you farewell from the count of
Greenwich this 15th of July. 1594.

W. Burghley

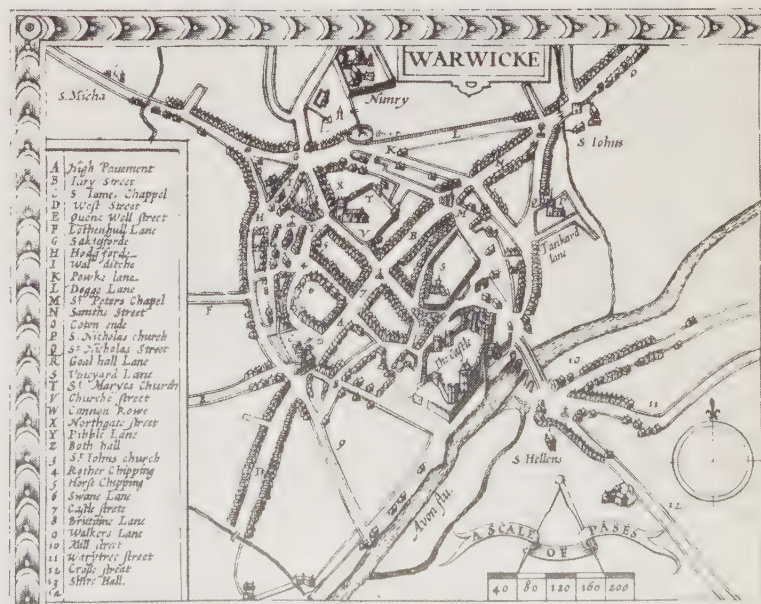
Forasmuch as the bearer herof John Norden gentleman hath verye diligentlie and skilfullie travailed to the more perfect description of the severall shyes of this Realme: having alreadye caused to be imprinted certaine shires to his great comendacons: And intendeth to proceed in the rest as tyme and his abilitie wyll permitte hym. Theise are therefore verye hartelie to pray and require you and everye of you to aid and assiste hym wth yo^r best helpes and meanes as he shall have cause to use the same in his trauailes in anye the counties where you are in comission of the peace, to the better and more speedye perfecting of this good work. And wthall I doe verie hartelie pray you considering the state and abilitie of the said John Norden is no waie annswereable to his good mynde, w^{ch} may cause a hinderance or delaye to his good worke to use alsoe yo^r best meanes for some voluntarie benevolence or contribution to be given, by gentlemen and others well affected to his service: who as all others, he^r Ma^{ty}s subiects shall reap the fruit and benefit of his labors and trauailes. And soe recomendinge hym to yo^r good ffavou^{rs} I byd yo^u ffarewell from the court of Greenwich this of (blank) Julie 1594. W. Burghley.

As has been said, John Speed extracted much of the cartographic content of his maps from the work of his predecessors and it is sometimes suggested that he did little original work himself. The content of his atlas however speaks to the contrary. There are many additional placenames to be found in the maps, and in the Preface Speed says 'by my owne travels through every province of England and Wales mine eyes have beheld . . .', and further claims that the plans of 'the cities and shire towns are inserted whereof some have bene performed by others, without

There is ample evidence to be found in several of the descriptive texts on the backs of the maps that Speed travelled widely. Thus in Derbyshire he describes some stalactites saying 'some of them were shewed at my being there.' In Brecknockshire he writes: 'In my perambulation in these parts' and in speaking of Nottingham castle he says 'whose circuit, as I tooke it . . .', and many more.

Further confirmation of Speed's journeying, if it still be needed, has come through the discovery of a pass requesting that assistance be given to Speed to effect his 'comendable worke.' Like those given to his predecessors it is a general pass to be presented to the authorities in the particular town he was visiting. The original does not survive, presumably it would have been returned to Speed; fortunately it was transcribed into the precedent book kept by the Town Clerk of Warwick when Speed visited that town. It is clear

Town plan of Warwick on Speed's map of the County of Warwickshire. Speed presented his 'pass' to the authorities there in 1607, when he surveyed the town and sought information on the county nobility and antiquities. (By courtesy of The Bodleian Library.)





John Speed's map of Pembrokeshire, one of only two in which he claims in the title to have surveyed the towns himself. Note 'The Scale of Pases' in the plans, which Speed claimed signified that he had surveyed a particular town. (By courtesy of The Bodleian Library.)

from the content that Speed's purpose was to survey the cities and shire towns hitherto undescribed, together with an investigation of the arms of the nobility, the ancient monuments and antiquities, in fact, the additional features which appear on Speed's maps. The pass is signed by the members of the Privy Council, presided over by the Archbishop of Canterbury in the absence of the King. Unfortunately Speed's original petition for a pass is lost as the Privy Council registers, the most likely source, were destroyed by fire in 1618.

Whereas John Speede Citizen of London and Servant to o^r gracious Sovaigne the Kings ma^{tie} hath heretofore made and p^resented to his highnes a card or mapp of the whole empire of great Britaine and now intendeth by gods pmission and assistance to add to all and euery pticuler Sheire and Countie of this Realme the true platforme and scituation of all such cities and Sheire townes as are yet undescribed wth all the auncient and honorable Armes of those most noble families that have had the Dignities and titles of Dukes Marquesses and Earles of euery seuerall County city and place therin conteyned and created since the Normaines conquest And also such memorabile and worthy monuments as concerneth euery of them with such Antiquities as therin are yet seen and remaininge or els hath bine there found The true descriptions of w^{ch} he can no way effect or perfectlie pforme (as he informeth us) without the p^resent veu and sight thereof These are therfore to pray and desire all and euery of yo^u to whom it shall apptaine to suffer the said John Speede and all such others as he shall imploy herein quietlie to effect and finish this comendable worke w^{ch} he hath in hand in all and euery place of this kingdom wherunto he shall be occasioned to repaire w^hout anie of your letts or hinderances so as alwayes the said Speede and his

assistants in this busines doo giue no occasion of offence and doo well and honestlie beare and behaue themselues according to the lawes and Statutes of this Realme whereof not dowbtinge of yo^r good regard to be had hereunto we bid you hartelie farewell ffrom the court of Whitehall the 17 of June 1607.

These passes must have been essential 'passports' for their bearers. Strangers were suspect, particularly inquisitive strangers. During the first decade of the seventeenth century, when Speed was travelling; the plague was rampant and there are numerous references to cities closing their gates to restrict the entry of travellers who might carry the plague into their midst. Even with his pass Speed complained that the officials in Denbighshire, Flintshire and Caernarvonshire were uncooperative and jealously guarded their deeds with the result that he could only map those shires 'as I could, and not as I would,' and consequently the boundaries of the Hundreds are missing from the maps of those counties.

References

- 1 He actually published two, Middlesex and Hertfordshire, himself but several others that he compiled were not published in his lifetime. See R.A. Skelton, *Decorative Printed Maps of the 15th to 18th Centuries*, pp 52-3.
- 2 Public Record Office: PC 2/10 p.443.
- 3 Public Record Office: PC 2/1.
- 4 Bibliothèque Nationale, Paris: MS Anglais 706 (Copy, British Library Map Department: Maps C.7.b.20).
- 5 British Library: Egerton MS 2644 f.45.
- 6 British Library: Egerton MS 2644 f.49.
- 7 *The Black Book of Warwick*, at present kept by the Town Clerk at the Court House, Warwick. It was transcribed and edited by T. Kemp and published by H.T. Cooke & Son in 1898. My thanks to Simon Lawrence for drawing this to my attention.

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Historical Maps Before the United States Supreme Court

by Louis De Vorsey, Jr. University of Georgia

DURING ITS OCTOBER 1977 term, the highest tribunal of the United States accepted, as an original action, a suit by the state of Georgia against neighbouring South Carolina concerning their historic boundary. In the words of Georgia's complaint, 'this action seeks to establish and determine the location of the boundary line between the state of Georgia and the state of South Carolina in the lower reaches and mouth of the Savannah River and out to the three-mile limit.'

After more than three years of research and preparation, the factual and legal arguments for each state were heard by the Special Master appointed by the Supreme Court during April and May, 1981. Much of the evidence presented by the two states to support their contentions took the form of approximately two-hundred maps dating from the early eighteenth century down to

the present day. In the case of rare historical maps, photostatic or photographic copies were used as evidence and made a part of the official trial record. The interpretation of this cartographic evidence called for the services of experts from a number of fields. Their transcribed testimony fills thousands of typewritten pages of the court record.

Among the expert witnesses called to testify were three whose credentials were established in the area of historical cartography. Appearing for South Carolina were William P. Cumming, the author of *The Southeast in Early Maps*, and Arthur Robinson, recent past president of the International Cartographic Association. Louis De Vorsey, Jr., whose article 'The Gulf Stream on Eighteenth Century Maps and Charts' appeared in the June, 1981 issue of *The Map Collector*, testified for Georgia.



A detail from Henry Popple's 'A Map of the British Empire in America, 1733-1735' - the year after Georgia was chartered. The boundary between South Carolina and Georgia along the Savannah River and its tributaries was more clearly defined by the Treaty of Beaufort in 1787, but the shifting marshlands at the mouth of the Savannah have led to a continuing dispute and to a supreme court hearing in 1981.

By the Treaty of Beaufort, 1787, the west fork of the Savannah, the Tugaloo, became a boundary stream and South Carolina's navigation rights were established. Henry Mouzon's 'An Accurate Map of North and South Carolina, with their Indian Frontiers', 1775, shows the rivers and the Cherokee land divided between the two colonies. (By courtesy of the British Library.)

The Southern Bounds of CAROLINA, by the 1st Charter.



Origins of the Boundary Dispute

The territory granted by King George II for the establishment of Georgia in 1732 had originally been a part of South Carolina. In the words of the charter, Georgia was to embrace:

all those lands countreys and Territorys Scituate lying and being in that part of South Carolina in America which lyes from the most Northern Stream of a River there commonly called the Savannah all along the Sea Coast to the Southward unto the most Southern Stream of a certain other great water or River called the Altamaha and Westward from the heads of the said Rivers respectively in Direct Lines to the South Seas and all that space Circuit and Precinct of land lying within the said boundarys with the Islands in the Sea Lying opposite to the Eastern Coast of the said lands within twenty leagues of the same . . .

It will be noted that the 'most Northern' and 'most Southern' streams of the Savannah and Altamaha rivers were to serve as the bounds of the new colony. This had the effect of including all islands in those rivers within the limits of Georgia. The Altamaha and Savannah are similar in that both have island-choked lower courses forcing the flow to form several streams or branches as it passes around the islands to the sea. This fact was demonstrated in court through a discussion of the 1733 map by Henry Popple.

From the outset of settlement, Savannah River islands were

understood to be Georgia territory and were granted as property by that colony. Navigation rights, however, soon became a subject of dispute between South Carolina and her political offspring. During the Revolutionary War, as the Indian menace was reduced and British control over the back-country waned, another Savannah River-related bone of contention developed. This grew out of the flood of pioneer settlers who were moving south along the Piedmont to settle the fertile valleys of the upper Savannah watershed. Were these new settlements in Georgia or in South Carolina? No boundary surveys had been undertaken and the available maps were not consistent insofar as the way in which the upper Savannah River system was depicted and named. South Carolinians argued that the Savannah River's head was at the confluence of its two major tributaries the Tugaloo and Keowee Rivers and that the boundary from thence was a due west line to the Mississippi River. Georgia, on the other hand, maintained that the longest tributary to its head spring formed the boundary. In Georgian eyes this was the eastern fork or the Keowee River. Georgia's contention was consistent with what was shown on Popple's map of 1733 while South Carolina's position can be followed on Henry Mouzon's map of 1775.

To forestall frontier conflict and resolve their problems in an orderly manner, commissioners representing the two states met at Beaufort, South Carolina, during late April, 1787, and negotiated

a compromise treaty which was duly endorsed by their respective legislatures and the United States Congress. In the terms of the Treaty of Beaufort, the western fork of the Savannah, the Tugaloo River, became the boundary stream. South Carolina thus received the fertile former Cherokee lands between the Tugaloo and Keowee Rivers comprising present day Oconee County. The treaty article devoted to navigation rights granted South Carolinians free use of the 'bed or principal stream' of the boundary rivers from their headwaters downstream to just above Savannah's harbour. From Savannah to the sea the Carolinians were restricted to 'the main northern channel' of the island-strewn lower Savannah River. All the islands in the boundary rivers were confirmed as being in Georgia.

In spite of the presence of the Treaty, controversies concerning navigation rights and territorial issues continued to occur through the nineteenth and into the early twentieth-century. To resolve the causes of these periodic misunderstandings with her neighbour, Georgia filed a suit in the United States Supreme Court in 1917. In its ruling, issued in 1922, the Court specified that, 'where there are no islands in the boundary rivers, the location of the line between the two states is on the water, midway between the main banks of the river.' Where islands are found, the line is 'midway between the island bank and the South Carolina shore.'

The Supreme Court's language appeared to be clear, direct, and to the point in the context of the upper Savannah River valley. In the lowermost reaches, however, this was not the case. The lowermost Savannah is characterized by numerous marsh islands with historically unstable channels wending among them. Further, it is tidal and subject to the awesome force of hurricanes and floods. Needless to say, terms such as 'main banks,' 'ordinary stage' and 'island' in such a churning and unstable estuarine setting can prove elusive to even the most valiant attempts at precise definition.

Fortunately little if anything generated interest in the precise location of the boundary through this area during most of the half-century following the Supreme Court's 1922 ruling. The pace of development was slow in this corner of the American South until the late 1960's and early 1970's when the Savannah region began to take off in an economic development sense. Then the marsh islands and long-abandoned rice fields along the river began taking on a heightened significance. In a few areas highly prized industrial sites had been quietly created through decades of dredge-spoil dumping as navigation channels had been deepened and maintained. The introduction of commercial shrimp and other fishing in the estuary and sound of the Savannah River brought with it an increased attention to law enforcement. As a consequence of these changing circumstances, concern over the exact location of the state's boundary began to grow in both Georgia and South Carolina. The continued failure of state officials, including the governors, to settle the question finally led Georgia to bring its suit to the Supreme Court in 1977.

Historical Maps In The Courtroom

A large number of historical maps were employed by the witnesses and attorneys for both states as their cases were presented in the weeks of hearing held in 1981. A review of the way in which a few of the earliest printed maps of the Savannah region were interpreted and debated in those proceedings should provide collectors and students of early maps with deeper insight and appreciation of them.

A Map of the British Empire in America with the French and Spanish Settlements adjacent thereto

When attempting to interpret the meaning and intent, in territorial terms, of historical documents like the Georgia Charter or Treaty of Beaufort a knowledge of both the geographical conditions and the prevailing perception of those conditions in the area of concern is vital. Such knowledge of the lower Savannah River area was gleaned from Henry Popple's 'A Map of the British Empire in America . . .' It was compiled during the same period which saw the drafting of Georgia's charter. In its original state this twenty sheet engraved map of 1733 shows the area of the dispute at too small a scale to allow for any interpretation of geographical details. It is, however, a valuable statement concerning the general image of Georgia and the Savannah River region during the

period of Georgia's inception as a colony. With the section of Popple's map showing Georgia and South Carolina in the courtroom the charter description became much clearer.

Georgia's witness discussed this map at some length, pointing out that the only streams shown emptying into the Atlantic on the whole North American coast from Florida to Canada bearing the full word 'River' after their name are the Savannah and Altamaha. This fact, in itself, did not prove anything of substance beyond indicating that Georgia's boundary rivers had received special attention on the map. More significant was the fact that the lowermost Savannah River was shown flowing generally from west to east and was 'characterized by a very intricate pattern of channels and islands.' This was important because it clearly indicated the probability that the river's islands were in mind when the charter was written. The omission of any direct use of the word island in the charter was, in South Carolina's view, a weakness in Georgia's argument that Savannah River islands had always been construed as Georgia territory. The charter phrase 'most Northern Stream' was demonstrated to embrace any islands and so throw the boundary between the island and the adjacent South Carolina shore as it had been found to be by the Supreme Court in 1922.

A Map of the County of Savannah

This large scale (1 inch = 3 miles) map was produced in Europe by the German map publisher Tobias Conrad Lotter. Although undated it is clearly based on information from the 1734-1735 period and should be considered as from no later than the latter year. Although the precise date of this map was not an issue in the trial, research suggested that it was based on information provided by Georgia's founder, James Edward Oglethorpe, himself.

In discussing this map attention was paid to the cartographic treatment of the islands in the Savannah River. During his direct testimony the witness for Georgia took pains to draw the court's attention to the fact that most of the islands were either named or shown with considerable care. He concluded his review of the map by stating, 'I think the view of the person who put this map together was that they [the islands] were a part of Georgia.'

Finally, the Special Master drew attention to the large triangular-shaped island located in the lower reach of the river between Dawfoskee Island and Wilmington Island, by asking whether its 'white shading' resembled the treatment of the adjacent area named 'Part of Carolina'? With only the photostatic

Research has suggested that 'A Map of the County of Savannah' was based on information from Georgia's founder, James Edward Oglethorpe. It was published by Tobias Lotter in Samuel Ursberger's *Ausführliche Nachricht Von den Saltzburgischen Emigranten*, 1735-44. The islands in the Savannah River were of particular interest to the Supreme Court. (By courtesy of The British Library.)





Emanuel Bowen's 'A New Map of Georgia' 1748, provided substantial information on the boundaries, but confusion between dotted boundaries and dotted Indian trails led to a vigorous exchange in the courtroom. (By courtesy of Robert Douwma Prints and Maps Ltd.)

copy at hand the witness answered in the affirmative. Upon later reflection and study of the original map he had reason to regret his hasty response because the very light marsh grass symbol pattern of the original printed Lotter map had been lost in the photostating. The dictum of always basing crucial interpretations on the best quality original copies of historical maps had been broken in this instance and a small but important point had been lost.

A New Map of Georgia, with Part of Carolina, Florida and Louisiana

This map, drawn from Original Draughts, assisted by the most approved Maps and Charts, by Emanuel Bowen, proved to be an important cartographic support for Georgia's position. For one thing the map was shown to have appeared in John Harris' two volume, *Navigantium atque Itinerantium Bibliotheca Or A Complete Collection of Voyages and Travels*, which was published in London in 1748. The map was bound at page 323 in Volume 2 with a very graphic account of Georgia which included a description of its territorial bounds as they appeared in the colony's original charter. A line of very fine dots which paralleled the northern-most bank of the Savannah River was shown to represent the boundary between South Carolina and Georgia from Savannah Sound upstream to the first major fork of the river where the two colonies bounded the mountainous country of the Cherokee Indians. Significantly, the triangular island which had been incorrectly interpreted on the photostatic copy of the Lotter map was shown to be within Georgia's boundary on this map. Since this island was subsequently granted by Georgia to an early

colonist named Noble Jones these earlier depictions were of considerable consequence. Jones Island, as the area is known today, is one of the largest tracts of marshland in the dispute.

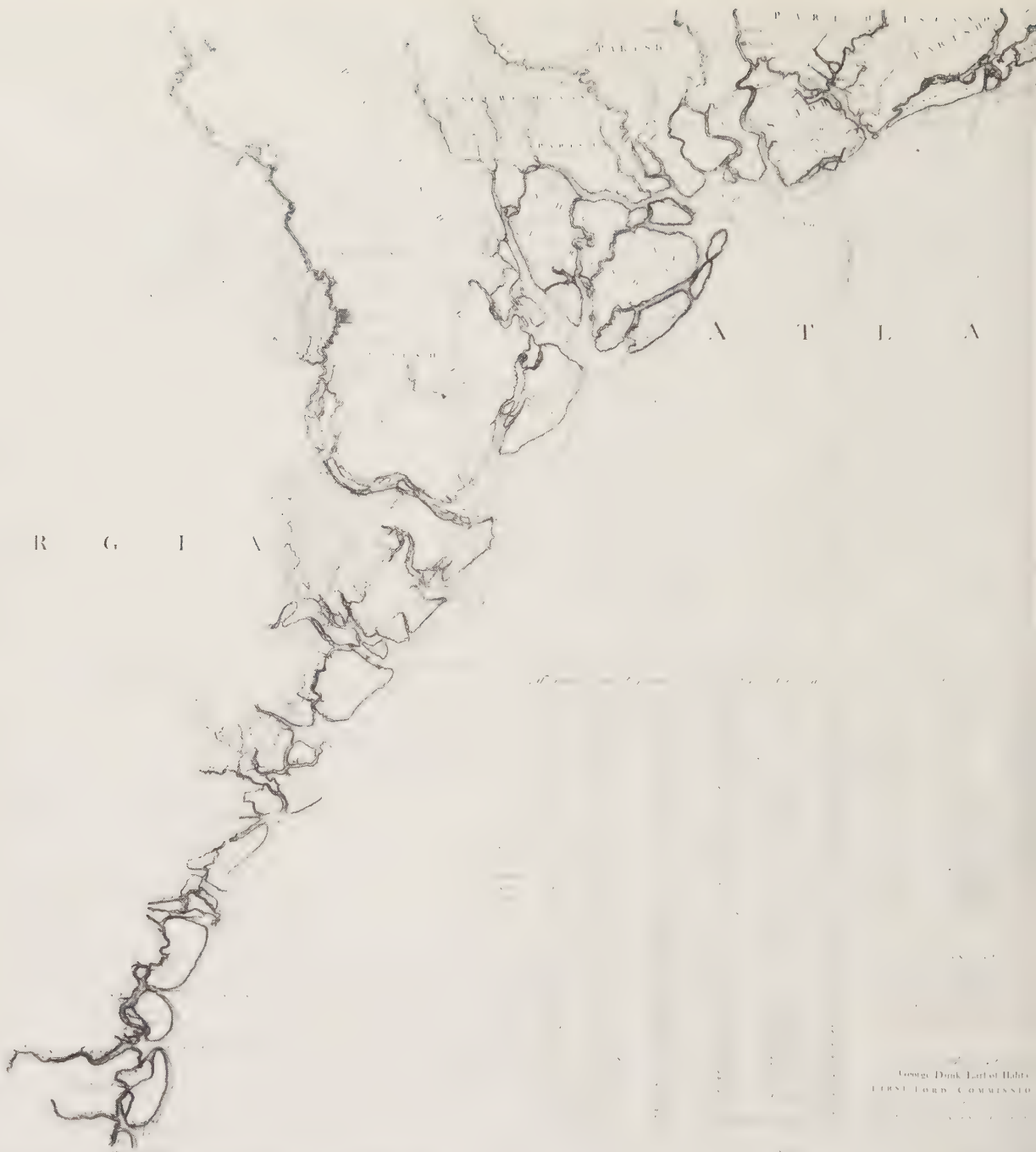
During his cross-examination of Georgia's expert the South Carolina attorney read the transcript of the witness' direct testimony concerning the Bowen Map and asked him to acknowledge its accuracy which was unusual and seemed to promise a vigorous attack on this portion of the testimony. Suspense was heightened when the South Carolina attorney produced a large magnifying glass and requested that the witness carefully show the line of fine dots, which he had interpreted as Georgia's boundary, to the Special Master. The attorney then approached the witness and in a dramatic tone of voice asked 'Don't you know that those dots are Indian trader's trails?' The normally quiet courtroom became hushed waiting for the reply. 'They are not,' was the reply and it became apparent that the witness was thoroughly familiar with this map and that the lawyer had confused sets of paralleling lines of dots representing trails with single lines of dots which represented Indian and colonial territorial boundaries. Had the lawyer been using an original coloured map or a facsimile he probably would not have made such an erroneous interpretation.

A Map of South Carolina and a Part of Georgia containing the Whole Sea-Coast . . .

Several maps prepared by William Gerard De Brahm, including his engraved maps of 1757 and 1780, were used as evidence by both states. De Brahm, a gifted military engineer, had emigrated to Georgia from Germany in 1751. His abilities as an engineer and

G E O R G I A

A T L A



Georgia Dock, Port of Hilton
FIRST LORD COMMISSIONED

surveyor-cartographer were quickly recognized and, when a royal administration was formed, he became one of Georgia's two surveyor-generals.

No better endorsement for the quality of De Brahm's cartographic work can be cited than that provided by South Carolina's expert witness, William P. Cumming in his book *The Southeast in Early Maps*. When discussing his first published map, which appeared in 1757, Cumming wrote: 'This map, in its accuracy for the coastal area and its thoroughness for the region covered, was far superior to any cartographical work for the southern district that had gone before.' The attractive cartouche of this four-sheet map engraved by Thomas Jeffreys, stated that it had been composed 'From Surveys taken by The Hon. William Bull Esq. Lieutenant Governor, Captain Gascoign, Hugh Bryan, Esq.; and the Author.'

A comparative study of De Brahm's 1757 map with the revised 1780 version provided a clear illustration of the ease with which copper-plate printed maps could be altered to reflect new or improved knowledge of an area. In the case of the lower Savannah River and mouth the alterations shown on the 1780 plate and map are particularly striking. The source of the alterations and new

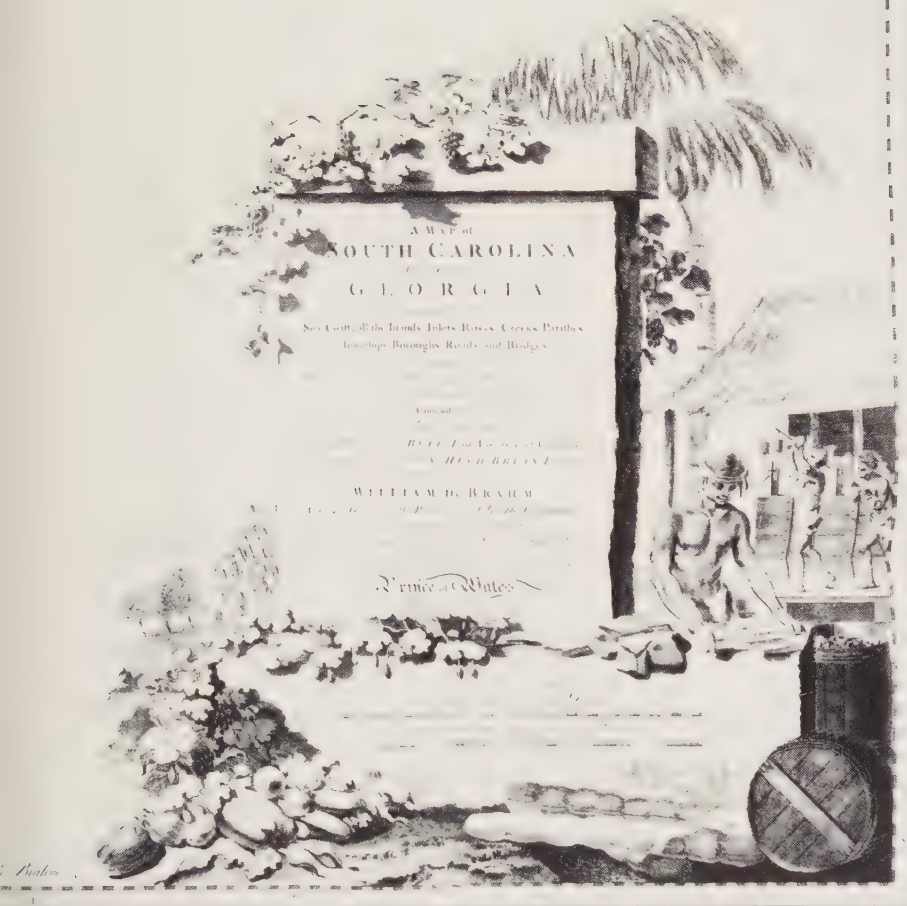
material is acknowledged in the reworked cartouche which states, 'Republished with considerable Additions, from the Surveys made & collected by John Stuart Esq./His Majesty's Superintendent of Indian Affairs,/By William Faden/Successor to the late T. Jefferys, Geographer to the King./Charing Cross 1780.'

In the immediate area of the boundary dispute several significant alterations can be noted, beginning with the offshore depth soundings and depictions of sand banks obstructing the entrance to the Savannah River between Hilton Head or Trenchs Island and Great Tybee Island. The 1757 depiction names and shows this area as De Brahm described it verbally in his massive manuscript, 'Report of the General Survey in the Southern District of North America,' which he personally presented to King George III in 1772. De Brahm's 'Savannah Sound,' described in the Report as 'formed by a great Sand-flat, which runs from Hilton Head (the north point of the Sound) three miles to the East, and six miles to the South; and by another Flat, which runs from great Tibe Island . . . ' has been replaced by 'Entrance of Savannah River' and a broken train of stippled areas occupying the opening between Hilton Head and Great Tybee.

Even more crucial was the altered configuration in the area



A T L A N T I C O C E A N



Alterations in the depiction of the lower reaches of the Savannah River found on the 1757 and 1780 editions of De Brahm's *A Map of South Carolina and a Part of Georgia Containing the Whole of the Sea Coast* demonstrate improved geographical information which was acquired during the period. (By courtesy of The British Library.)





named 'Cedar Bush.' Georgia's expert argued that this area was a triangular island mass which later became known as Jones Island. He admitted that this map did not shown water on all sides of the 'island' but pointed out that the map was 'incomplete' in this and other areas. The fact that the 1780 republished version showed a triangular-shaped island with flows of water on all sides confirmed this interpretation and strengthened Georgia's claim that Jones Island was in the lower Savannah River at the time of the Beaufort Treaty signing.

A Plan of the River and Sound of D'Awfoskee, In South Carolina Survey'd by Captain John Gascoigne

Although this map is captioned 'Printed for R. Sayer & J. Bennett Map & Chart-Sellers No. 53 Fleet Street as the Act directs 15 May 1776,' it could not be presented as representing the Savannah mouth and sound during that year. In his testimony Georgia's expert stressed that it was based on surveys made by Captain Gascoigne, who had commanded H.M.S. *Alborough* in these waters, in the years preceding the founding of Georgia.

In 1728 Gascoigne had been ordered to take command of the *Alborough* when she arrived in Jamaica. From there he was to proceed to a careful survey of Port Royal harbour and the coasts of South Carolina as far as Charles Town. He was then to return to survey the Bahama Islands and adjacent waters. From extant ships' logs and Captain Gascoigne's reports it is possible to determine just when and under what conditions he conducted the surveys which provided the basis for the 1776 'Plan of the River and Sound of D'Awfoskee in South Carolina.' On the first occasion he was sailing southward from Charleston (Charles Town) to the Bahamas and he had planned to rendezvous with the two South Carolina scout boats stationed at Port Royal. These small craft were vital for surveying the shallow banks and intricate channels found inshore along this coast.

In the log kept by Captain Gascoigne's brother James for

In spite of John Gascoigne's detailed surveys which resulted in his map 'A Plan of the River and Sound of D'Awfoskee in South Carolina,' 1776, apparent errors occurred. This highlights the problems of using maps as evidence in court. (By courtesy of The British Library.)

'The Coast, River and Inlets of the Province of Georgia' by Joseph Avery and Others was published in Des Barres' *Atlantic Neptune*, 1780. The map was compared with a US Coast Survey's chart so that 200 years of coastal erosion could be examined. (By courtesy of The British Library.)



October 17, 1729, was noted: 'At 4 pm being off the Barr of Port Royal, found too great a Sea to send the Boats up to Beaufort for the two Scout Boats which are order'd to attend Captain Gascoigne in Surveying the Sound between Trench's Island & that of Tybee – At 6 anchored off Trench's Island in 7½ Fathom water – At Daylight weigh'd & drove till 8 am Then made Sail to the Southward.' It is clear that the area called 'D'Awfoskee Sound' on Sayer and Bennett's 1776 chart could not have been surveyed by Gascoigne on this voyage in 1729.

Two years later in October 1731 the area and task was approached in quite a different manner by Gascoigne with results which are clear from the resulting published chart. The sloops *Happy* and *Cruizer* were sent from Charleston to Port Royal while Gascoigne himself followed with a ten-oared and an eight-oared pinnace via an inshore passage of creeks, rivers and sounds. The sloops were taken in tow through Skull Creek and the waters now known as Calibogue Sound and into 'D'awfoskee Sound' where the survey was completed in about three weeks. In addition to his careful sounding and charting Gascoigne also went ashore on the north end of Tybee Island to make a careful note of its position. In the 'Remarks' section of the chart it states that this was latitude 31°54' north and longitude 79°39' west of London. The compass variation is also given for 1731.

In spite of the obvious care exerted by Gascoigne in his surveys there are certain puzzling map features close to the 'Savannah River.' For example, the map shows an area named 'The Peeper' about three miles to the west of the northern tip of Tybee Island. This coincides with the island named 'Peep' on 'A Map of the County of Savannah' by T. C. Lotter. Later depictions such as the 1757 and 1780 versions of De Brahm's map call this island 'Cockspur,' and this name has remained. The 1776 map attributed to Gascoigne's surveys does not show 'The Peeper' as an island but it appears to be an unshaded area of 'Solid Land' backed by 'Marsh Land.' There can be little doubt that 'The Peeper' or Cockspur was an island at the time of Gascoigne's survey as mention is made of 'the no. most part of the little Island call'd the Peeper.' It is also clearly shown on the Lotter map which appears to be based on James Edward Oglethorpe's observations of 1733-34. It is also clear that an important navigation channel from Tybee Bar up to the city of Savannah was located along the south side of Cockspur Island by the middle years of the eighteenth-century, when all these facts are considered they suggest certain hypotheses which may possibly explain this apparently erroneous depiction on Gascoigne's chart and it is obvious that more thorough research must be done on it.

The Coast, Rivers, and Inlets of the Province of Georgia Surveyed by Joseph Avery and others

This map from Joseph Frederick Wallet Des Barres' monumental American Revolution charting project *The Atlantic Neptune* played an important role in the litigation. In many respects it appeared to represent the best general map of the disputed area for use when attempting to interpret the terms of the Beaufort Treaty. Although no map was ever mentioned by the Treaty signatories for either state, it seems reasonable to assume that maps of some sort were at hand in Beaufort. Given the importance of *The Atlantic Pilot* in the American Revolutionary War of a few years before, it is possible that this map might have been one of those present. It was shown in the courtroom that important descriptive passages in the Treaty could be followed easily and logically on it.

Careful research revealed that Joseph Avery had, like Captain Gascoigne, surveyed this area some forty years prior to the publication of this map in *The Atlantic Neptune*. He had proposed 'making a new Map of the North Part of Georgia' to the Colony's chief executive officer, Colonel William Stephens, in September, 1741. Stephens felt that an accurate map of Georgia's northern coasts was more than worth the ten shillings a day which Avery was paid. He opined that the map would 'satisfy the World that Georgia ought to be looked on in a different Light from what the Malice and Ill-will of some People endeavour to obscure it with.'

Upon completion of his map Avery decided to sail to England and personally report to the Trustees for the Establishment of the Colony of Georgia. The Earl of Egmont, the Trust's most influential member, noted in his Journal that Avery had 'brought

over an Accurate and well drawn Map of the Northern County in Georgia.' Avery was ordered to return to Georgia and undertake the survey and mapping of the colony's southern territory.

In a letter written to the Trustees in October 1742 he provided some discussion of his approach to the challenge of mapping in the wilds of Georgia's coastal frontier. He wrote: 'As the Winter and Spring is the best time of Surveying, particularly in the Woods, heads of Rivers, etc., for fear of snakes . . . I'll proceed with all Expedition to carry on the General Survey of the Province to the South with proper Remarks. The Summer will be Employ'd in drawing Plans, Writing Journals of Improvements and Advance of the Colony to be kept here and returned to your Honor.'

Unfortunately, several pressing problems in the settled areas around Savannah required his services as the Trust's surveyor of lands and delayed the undertaking of his southern survey. Avery died on October 16, 1744 without ever accomplishing his task.

While the map published by Des Barres in early 1780 is largely based on Avery's survey and map of forty years earlier, it is clear that additional later information is also included. This can be verified by inspecting the area south of Savannah where the "Great Ogeechee River" forms a large horseshollar-shaped meander loop. Des Barres shows 'Hardwick formerly George Town' as a settlement there. George Town had been founded and laid out several years after Avery died. The inclusion of Hardwick on this map is clear proof that Des Barres had recourse to Georgia surveys and maps from dates much later than those made by Joseph Avery. In his usual meticulous fashion Des Barres indicated this by mentioning 'and others' along with Avery in the title block.

In the course of pre-trial analysis of this map a scaled overlay was prepared which allowed this 1780 depiction of the lower Savannah to be compared with the U.S. Coast Survey's first scientifically prepared chart of the area. The overlay revealed that Cockspur Island had lost some 900 to 1,000 feet on its eastern side to erosion from the Colonial Period to 1855, the year of the Coast Survey chart. Independent evidence gleaned from the correspondence of an engineer-officer stationed at Fort Pulaski on Cockspur Island in 1845 also pointed to a 900 foot loss and corroborated the overlay analysis.

An aspect of the Savannah River region's geography as depicted by Des Barres became a matter of considerable interest and debate during the 1981 Supreme Court hearings. This is the area named 'Cedar Buñ (Bush)' close to the Savannah's mouth. Cedar Bush probably referred to a landmark used by early navigators as they sailed through this low featureless reach of the river. On the version of the map used by Georgia, a pair of light lines indicated a continuous channel which forms a triangular marsh island containing the word 'Cedar.' This corresponds to the island named Jones Island on modern maps. On other, presumably earlier, versions of this map used by South Carolina no continuous channel is shown to form an island.

Fortunately, the original engraved copper plate which Des Barres and his workmen prepared for the printing of this map is preserved in the Georgia Surveyor General Department and can be examined on request at that department in the Archive and History Building in Atlanta.

Many additional eighteenth and nineteenth century maps were also presented and analysed by witnesses for both states in this important litigation. At the time of writing the Special Master, Judge Walter E. Hoffman, is studying all of the evidence, both cartographic and documentary, along with the transcripts of testimony and legal briefs and it is anticipated that he will publish his findings and recommendations sometime in 1982 in the form of a Report to the Supreme Court of the United States.

The contesting states will each have the right to file any exceptions they may have to the Special Master's Report. After their consideration of the Master's Report and the states' exceptions, should any be forthcoming, the Supreme Court will schedule a period for final oral argument by representatives for each state. In due course the court will rule on the questions which had been so vigorously argued and 'the location of the boundary line between the state of Georgia and the state of South Carolina in the lower reaches and mouth of the Savannah and out to the three-mile limit' will be at last decided. Needless to say historical maps will have played an important role in this momentous decision.





IMCS

International Map Collectors' Society

Second Annual Map Fair and Exhibition

Sunday 6th June 1982

London Penta Hotel, Cromwell Road, London W8

★ The most important annual gathering of collectors, dealers, academicians and all those interested in maps and cartography. At the time of going to press the following dealers have booked stands at the Map Fair.

Ademco Archival Aids, London ★ Jon Ash, London ★ Atlantis Paper Company, London ★ Dudley Barnes, Paris ★ Clive Burden, Rickmansworth ★ Jo Ann & Richard Casten, USA ★ Conservation Resources, London ★ Ivan R. Deverall, Uckfield ★ J.A.L. Franks, London ★ Mrs. D.M. Green, Weybridge ★ Holland Press, London ★ Stephanie Hoppen, London ★ InterCol, London ★ Leycester Map Galleries, Arnesby ★ Magna Gallery, Oxford ★ The Map Collector, Tring ★ The Map House, London ★ Mappamundi, London ★ John Marrin, Folkestone ★ Bruce Marsden, London ★ Roger Mason, Oxford ★ Eiddon Morgan, London ★ Avril Noble, London ★ Northwood Maps, Rickmansworth ★ Ray O'Shea, London ★ Regent Gallery, Cheltenham ★ Thomas Schuster, London ★ Shaws Bookshop Ltd, Manchester ★ Nicola Thompson, London ★ Tooley Adams & Co, London ★ Vecchia Libreria Modenese, Italy ★ Waterloo Investments, Reading ★

We now have some 30 members who hope to attend our informal annual dinner at the Penta Hotel on Saturday 5th June evening. You can join them by sending £15 per person to the address below. The cost is all inclusive, even wine!

For any additional information or further details, including availability of dealer stands, please contact:

IMCS 1982 Map Fair Chairman

Yasha Beresiner, P.O. Box 70, London N3 3QR, England.

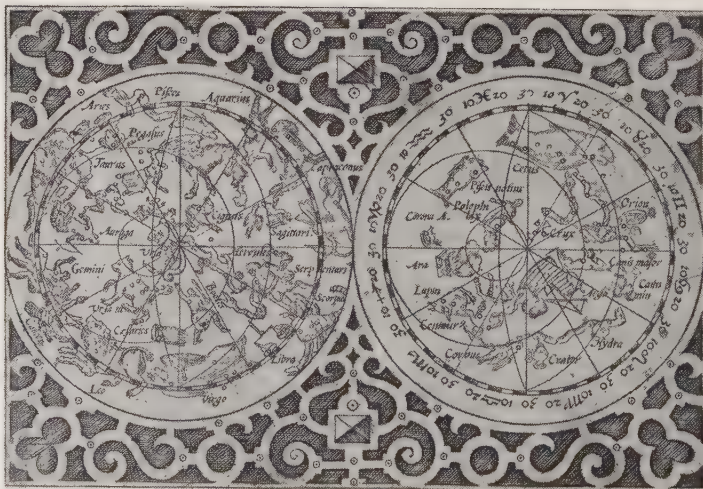
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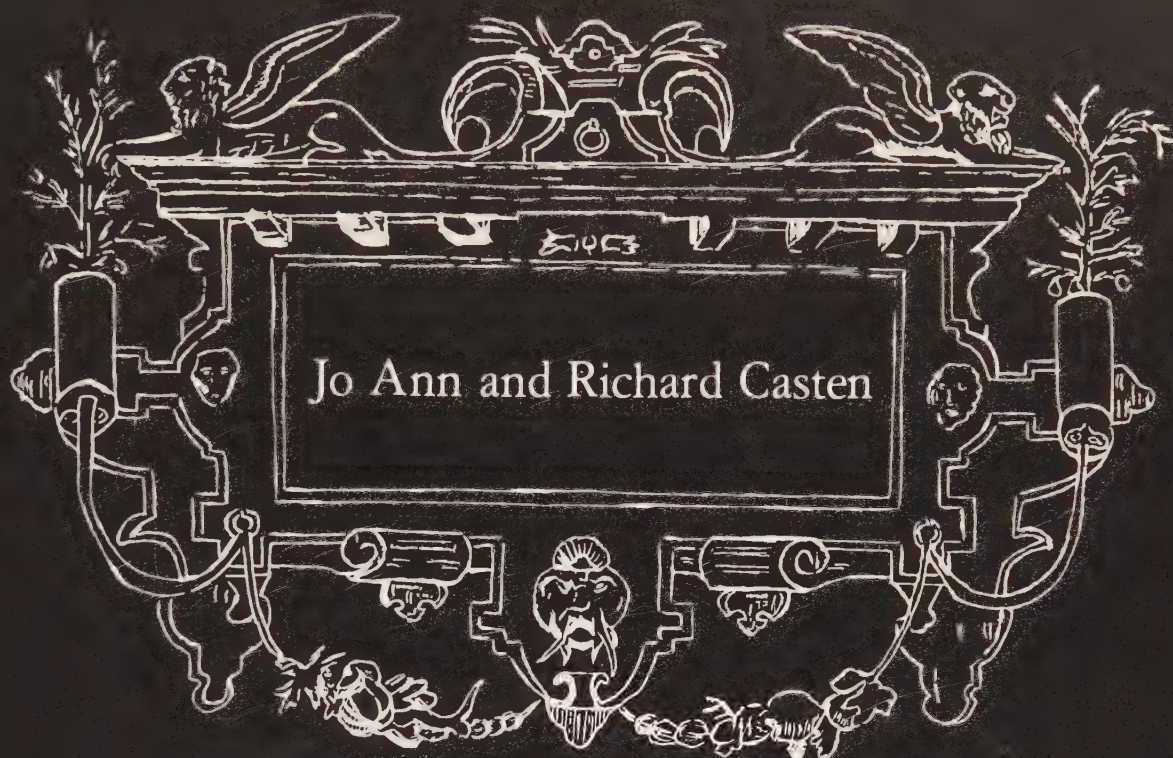
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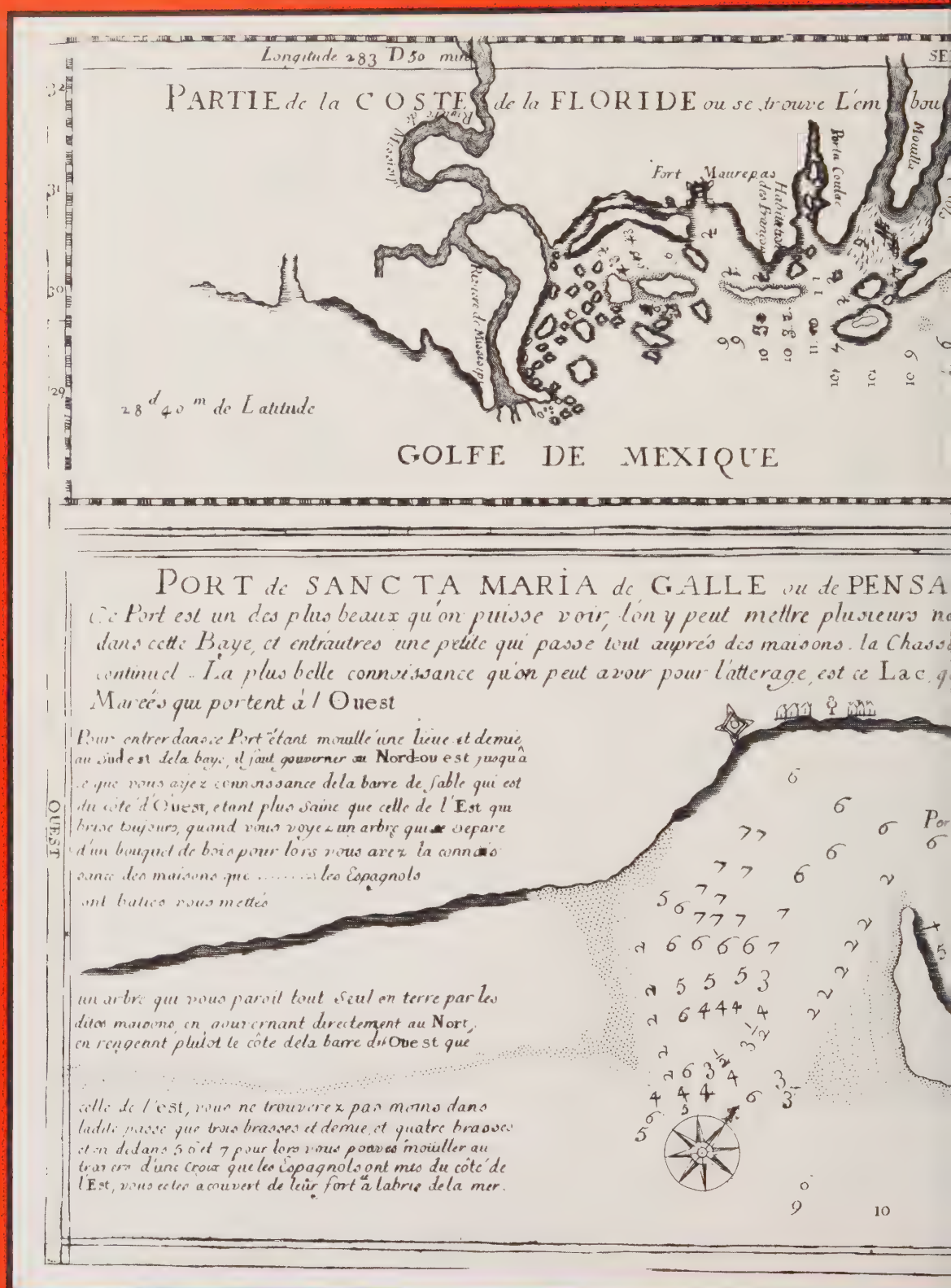


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ON.

de la Riviere de MISISSIPPI dans le Golfe de MEXIQUE

Santa
Maria
de Galles

13. 10
14. 10
14. 10
20. 10
26. 10
40. 10
40. 21

60 150 100

Ces remarques ont été faites en 1699 par le
Pilote Catho dans le vaisseau le Marin commandé
par m^r d'Hiberville capitaine de vaisseau du Roi

et se trouvent

A Paris

chez le s^r Moullart-Sanson

Geographe ordinaire du Roi

Rue Fronteau vis à vis le vieux Louvre 1719

LA qui est par la Latitude de $30^{\circ} 10'$ et par la Longitude de $285^{\circ} 24'$
l'abri de tous les vents y ayant beau carénage, il y a quantité de Rivières qui se déchargent
Pêche y sont tres bonnes, l'air y est fort tempéré, et en hiver l'on croit être dans un printemps
quinte lieues Est et Ouest. Il faut toujours atterer, si l'on peut à l'Est, à cause des

Santa Maria
alle

L'on mouille ordinairement quand on vient de dehors
à l'est du Cap à cause des vents qui y règnent, presque tou-
jours et des courans qui portent continuellement à l'ouest
les Marées sont dans ce port, Nord et Sud, et montent
fort peu de hauteur, mais les Espagnols ont dit qu'
au mois de decembre 1689 les vents étant venus au
Sud-Sud-est, Sud et Sorou est tourmente de vent
la Mer y avoit monté pres de six brasses.

Lac

EST

10 10

Size 266 x 410mm.

Rare maps, charts and globes.

Nautical and astronomical instruments. Cartographical curiosities.

Dame Edna to Open Fair



BARRY HUMPHRIES, (also known as Dame Edna Everage), a keen book collector in addition to being a famous stage personality, will open the twenty fourth Antiquarian Book Fair to be held at the Europa Hotel, Grosvenor Square, London W1, on June 8.

Mr Humphries' many bibliophilic interests include literary curiosities, late nineteenth century 'decadent' poetry, gothic novels and Edwardian ghost stories.

A feature of the Fair will be a rare Victorian Proofing Press which visitors will be able to watch in action and take away a sample of the printing. The Fair will be a three day event - June 8-10 - and will offer for sale some 30,000 items over a wide price range. Among the exhibitors will be a number of map and print dealers including Baynton-Williams, Robert Douwma Prints and Maps, Stephanie Hoppen; The Ray O'Shea Gallery; Walter Reuben of Texas and Boghallens Antikvariat of Denmark.

The Book Fair will be open from 11am to 8pm and there is no admission charge. Illustrated catalogue £1.

During the Book Fair, the Whittington Press will print a keepsake for visitors on this rare Victorian parlour press which dates from about 1840 and has been restored to its present immaculate condition by artist John Craig. The keepsake will be a print taken from a series of wood engravings which he has done for his book, 'Watersteps: The Locks of the Oxford Canal', to be published by the Whittington Press at the end of this year. John Craig's son, Tom, seen here working the press, is also a printer and wood engraver. He is the great grandson of the late Gordon Craig, the famous stage designer.

Transfer of India Office Library and Records

THE RESPONSIBILITY for the collections of the India Office Library and Records is to be transferred from the Foreign and Commonwealth Office to the British Library Board. This arrangement, which was announced recently by the Lord Privy Seal in the House of Commons in answer to a Written Question, and by the Secretary of State in the House of Lords, comes into effect on 1 April 1982. The grant-in-aid to the British Library for 1982/83, announced by the Minister for the Arts in December 1981, includes a provision of £2,103m to cover this additional responsibility.

The staff and collections of the India Office Library and Records are to remain in their present accommodation, but are to be administered as a department of the British Library Reference Division. Staff are to be offered contracts in the employ of the British Library.

The new arrangement is welcomed by the British Library Board. The India Office Library and Records' valuable collections are a major enhancement of the British Library's own internationally famous resources which constitute one of the world's great research libraries. The India Office Library and Records, Orbit House, 197 Blackfriars Road, London SE1, is at present a department in the Foreign and Commonwealth Office. It comprises the records of the East India Company (1600-1858), the Board of Control (1784-1858), the India Office, and the Burma Office, together with the Library which was officially founded in 1801.

Northern Map Conference going ahead

PLANS ARE WELL advanced for the Second Northern Antique Map Collectors' Conference. It is planned for Saturday, October 23, 1982, and will be held at the Grosvenor Hotel, Eastgate, Chester.

Encouraged by the success of their first conference two years ago the organisers decided to go ahead with this second venture. This time the theme will be 'Early Dutch and Flemish Mapmakers.' There will also be a short map auction and an exhibition of early maps illustrating this most decorative period in the history of mapmaking, all loaned by collectors.

The programme will start at 10.30am with a reception and welcome by Alan Hulme of The

Map and Print Gallery, Chester. The first speaker will be Dr De Vries of Leiden University who will discuss 'Rare Early Flemish and Dutch Maps.' This will be followed by question time, lunch, and viewing of the map auction items. The auction itself will take place at 2pm and will be conducted by Terry G. Ramsell, John Goss, Research Editor of *The Map Collector* will then speak about 'The Blaeu and Jansson Map Houses.'

If you would like to attend send a cheque for £18 to Alan Hulme, Map and Print Gallery, 41 Lower Bridge Street, Chester. Cheques should be made out to the Northern Antique Map Collectors' Conference.

Call for Papers

IN THE SPRING of 1983, the Center for Great Plains Studies will sponsor a conference on mapping the plains in the eighteenth and nineteenth centuries. The conference will take place at the time of the publication of the *Atlas* volume of the new edition of the Lewis and Clark Expedition Journals, edited by Dr Gary Moulton.

The conference, to be held on April 28-29, will also coincide with the opening of an exhibition of cartographic materials in the Center's art gallery in Love Library. Jon Nelson, Curator of the Center's Art Collection, will assemble the exhibition, which will include both native-American and Euro-American material.

Papers are called for on the following themes:

the cartographic work of various expeditions, methods of survey employed, the evolution of cartographic techniques, promotional and commercial depictions of the cartographic work of expeditions, maps derived from the fur trade, the cartographic work of indigenous inhabitants of the plains region, treaty maps, the depiction of the plains region in French and Spanish maps, and vernacular representations of the region. The programme committee will be happy to receive additional ideas. Potential contributors should write to: The Programme Committee, The Center for Great Plains Studies, 1213 Oldfather Hall, University of Nebraska, Lincoln, NE 68588-0314 USA.

Around and About

NEWS



The Map Room of the National Library of Scotland have issued a most attractive poster which only costs £1 and would liven up almost any room or office. It is in full colour and is taken from Aleph's *Geographical Fun*, 1869. For further information or orders write to Dr Matheson, Publications Officer, George IV Bridge, Edinburgh EH1 1EW, Scotland.

The Library of Congress has published a guide to their collection of eighteenth century maps and charts of North America and the West Indies. *It is titled Maps and Charts of North America and the West Indies 1750-1789: A Guide to the Collections in the Library of Congress*, and is available for \$17 in person from the Information Counter, Library of Congress Thomas Jefferson Building or by mail from the Superintendent of Documents, US Government Printing Office, Washington DC 20402 (Stock No. 030-004-0020-5). Photographic copies of most of the items in the guide can be

obtained through the library's Photoduplication Service, Library of Congress, Washington DC 20540.

Congratulations to Jonathan Potter and his wife, Gillian, on the birth of their son William Edward on December 27. Jonathan owns and runs a map gallery in Grafton Street, London W1.

Several people in the map world have been on the move recently. One is Douglas Marshall, the map curator of The William L. Clements Library, at the University of Michigan, Ann Arbor, USA. He has joined the research department of a major advertising agency in Detroit. Douglas Adams and his stepson, Stephen Luck, who until recently ran the map department of Tooley's in Bloomsbury have formed a new company in conjunction with R.V. Tooley, called Tooley, Adams and Company, and have moved to premises in Marylebone High Street, London

W1, where they will be pleased to see all their old customers. Peter Baxter has left The Regent Gallery in Montpelier Street, Cheltenham, to take up a post in insurance and Gillian Hill, who has been a Research Assistant in the Map Library of The British Library for the past six years, is leaving this month as her first baby is due on September 4. Before joining the British Library Gillian worked in the book library of The British Film Institute.

Highest price ever paid for a map

THE ORIGINAL DRAWING of the western section of the Mason-Dixon line by Charles Mason and Jeremiah Dixon was sold by Christie's in New York for \$396,000 or £220,000 (estimate \$40,000 to \$60,000). This was the highest price ever paid for a map.

It was bought by Malcolm Forbes Junior for the Forbes Museum and the map was part of a sale of Colonial American Documents including The Declaration of Independence from The Chew Family Papers held at Christie's, New York, on April 1.

The famous Mason-Dixon line, which became in spirit if not in fact, the frontier between the north and south was officially ordered by the Commissioners of the respective provinces on June 18, 1765 and required two and a half years to survey. It is clear from the minute books of the Commissioners and letters of the surveyors (also in the sale) that Mason and Dixon depended heavily on the Indians of the Iroquois or Six Nations (Mohawks, Oneidas, Onondagas, Senecas, Cayugas and Tuscaroras) through whose lands the line passed and who were variously used as guides, hunters, guards, axemen and labourers.

On September 29, 1767, twenty six of the Indian axemen refused to go beyond the Monongahela (mile 220) for fear of the Shawnees and Delawares, and on October 22, 1767, the

surveyors reported to the Commissioners: 'on the 9th Inst. we crossed a War Path (used by the Six Nations to go against their Enemies the Cheroques), there we were informed by the Chief of our Indians that he was come that he would not proceed one step farther.' These difficulties reflected increasing opposition on the part of the Indian tribes to burgeoning European settlement on lands not ceded by treaty. The Indians lodged formal protests with Governor Pitt and in March, 1768, Benjamin Chew himself headed a delegation which travelled to Fort Pitt to negotiate a new treaty with the Shawnees and Delawares, which was signed on May 24, 1768, long after the surveyors' work had ended. Not until 1784 did a joint Virginia-Pennsylvania survey complete and mark the final thirty six miles of the West Line.

The minute books of the Boundary Commissioners (lot 18 in the sale) record formal instructions to the surveyors, newly returned from the western wilderness: 'You are with all possible dispatch to draw and make out from your Minute Books an Exact and true Plan and Survey of the Boundary Lines . . . giving in such Plan, the most exact and certain Descriptions that can be given of said Lines and Country through which they pass . . . As soon as you have finished such Plan, you are to sign and deliver the same either to the Commissioners of Pennsylvania or Maryland.' Two maps were prepared: one showing the western boundary, the other the eastern boundary between Maryland and the Three Lower Counties (Delaware). According to Mathews (H) p. 189, the completed drawings were delivered to Richard Peters of the Pennsylvania

Cypriot Exhibition of Old Maps

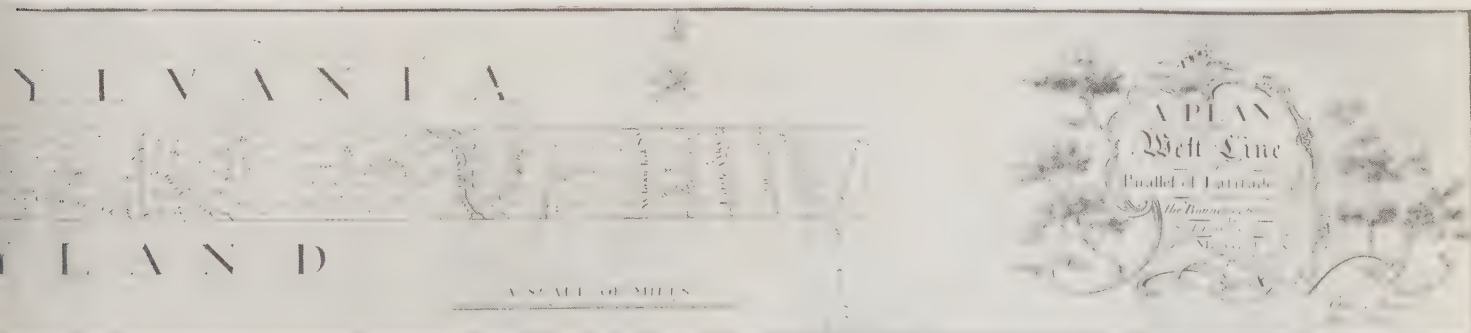
ANDREAS AND JUDITH STYLIANOU, authors of *The History of the Cartography of Cyprus*, arranged an exhibition of old maps concerning the history of the cartography of Cyprus during the Second International Congress of Cypriot Studies held in Nicosia from April 20-25.

Over fifty maps were displayed ranging from the 'Island of Cyprus' by Claudius Ptolemy from his *Geographia* through to Jean Baptiste Bourguignon d'Anville's 'Isle de Chypre' published in Paris c1762.

Among the papers at the Congress two were on the subject of cartography: 'The maps of Cyprus in the MSS of the *Geographia* of Ptolemy' read by Nicolaos Livadoras and 'An Unpublished MS of Plan of Famagousta of the Sixteenth Century' read by Fabrizio Frigerio.

commissioners on January 29, 1768.

This remarkable manuscript map was on six slightly irregular sheets of paper backed with linen. It was finely drawn with pen and brush in black ink over pencil on heavy laid paper and contains large legends above and below the map naming the two provinces of Maryland and Pennsylvania and smaller legends denoting rivers, forests, mountains, and settlements.



A detail from the original manuscript survey map (1763-67) by Charles Mason and Jeremiah Dixon showing the boundary between Pennsylvania and Maryland. Otherwise known as the famous Mason-Dixon line. (By courtesy of Christie's New York.)

OBITUARY

Vice-Admiral Avelino Teixeira da Mota

The sudden but not wholly unexpected death of Vice-Admiral Avelino Teixeira da Mota on 1 April 1982 has saddened his many friends throughout the world. He was a modest, kindly man who was always willing to help other scholars in their search for knowledge.

By profession, an officer in the Portuguese navy, Dr Teixeira da Mota saw service during the second world war in the Atlantic and Indian Oceans. Subsequently he served for some years in West Africa particularly in the Cape Verde Islands and in Portuguese Guinea. He was an outstanding scholar who could lecture fluently in English, French and Spanish. He was a true polymath; and in many ways a 'Renaissance' man. He made very significant contributions to knowledge in the history of cartography, in nautical science, in ethno-history and in anthropology.

Among historians of cartography, he is best known as the co-author (with the late Dr Armando Cortesão) of the six volume *Portugaliae Monumenta Cartographica* (Lisboa, 1960-63). He also published numerous articles and many monographs and books, all of high quality and as remarkable for the breadth of their range as for their depth of scholarship. He was a director of Imago Mundi Ltd (since 1977) and the Portuguese corresponding editor of the journal of the same name for more than twenty years (It is hoped to publish his full bibliography in *Imago Mundi* 35 (1983)).

E.M.J. Campbell



Two pictures taken at the Antiquarian Map and Print Fair held at the Bonnington Hotel, London, recently. Pictured on the left is Ann Downs from Oldfield Maps and Prints who is discussing a sale with some customers and pictured on the right are Tony Forster of Leycester Map Galleries and Roger Mason, both exhibitors at the Fair. The next map and print fair run by Bill Bennett, Roger Maston and Paul Nicholas, will be held at the Bonnington Hotel, on June 7-10. Admission is free and everyone welcome.

Professor Ormeling retires

ON APRIL 2, the Board of Governors and the Directorate of the International Institute for Aerial Survey and Earth Sciences (ITC) at Enschede (the Netherlands) marked the retirement of Professor F.J. Ormeling from the headship of the Department of Cartography by holding a full day's programme which was enjoyed by some 400 people.

His colleagues and students – both present and past – were joined by cartographers from many countries to pay tribute to a man who has identified himself with his subject. He likes the affectionate title of Mr I.C.A. (Professor Ormeling is currently President of the International Cartographic Association – an office which he has held since 1976; previously he held the office of Secretary General and Treasurer).

He entered cartography by way of geography but for the past twenty years his principal activity

has been the education and training of cartographers particularly in relation to the cartographic needs of developing countries. This interest was reflected in the title of the short morning symposium 'Needs for mapping and education in cartography in developing countries' during which four papers were presented. In the afternoon a farewell ceremony was held in the Twentse Schouwburg (Municipal Theatre) of Enschede. After four speeches reflecting on his career, Dr Ormeling gave an interesting valedictory address (illustrated by slides taken over many years) entitled 'Final Project.' His masterly performance was enjoyed by all. In the early evening the ITC held a reception during which numerous informal presentations were made to Dr and Mrs Ormeling by individuals as well as on behalf of cartographic societies in many countries.

PROFILE

He bought his business for £100

Interview by Valerie G. Scott

COLLECTORS AND VISITORS to the Regent Gallery in Cheltenham, who enjoy browsing through the extensive displays of maps, prints, atlases and globes, would probably be amazed to learn that David Bannister, who runs the gallery, bought the entire business for £100.

Of course, as David pointed out, that was nineteen years ago and the business, like Topsy in *Uncle Tom's Cabin*, just 'grow'd'. The firm was one of the first dealing primarily in atlases and loose maps to be elected to the Antiquarian Booksellers' Association and has now 'grow'd' to the point when it is one of the largest in the country.

David was born and brought up in Gloucestershire and to use his own words, 'survived education relatively unscathed.' He claims to have failed Geography 'O' level at least twice and to be the only map dealer who once thought that Boston was south of New York! After leaving school he trained as a photographer at the Birmingham College of Art and found this very useful when conscripted for National Service in the Royal Air Force, where he assisted in the Suez disaster producing aerial photographs for intelligence analysis.

After the Air Force he became an assistant lecturer in photography at the Hull College of Art and Design and sometime



Dana Bennett Durand 1905-1982

ONE OF THE few American historians of cartography who focussed his attention on medieval map making and publishing was Dana Bennett Durand. Because of circumstances largely beyond his control, Durand's contribution was limited to one well-documented scholarly publication.

Durand was born in Washington, D.C., in 1905. He graduated from Harvard University, *summa cum laude*, in 1925. Subsequently he was accepted for graduate study in Harvard's history department, where he was a student of the late, eminent historian of science, Dr. George Sarton. In the process of researching his dissertation topic, Durand visited a number of European libraries and consulted with several distinguished historians of cartography, among them Dr. Ernst Zinner, Father Joseph Fischer, Dr. F. C. Wieder, and Prince Youssouf Kamal. The doctoral dissertation, entitled *The Origins of German Cartography in the Fifteenth Century*, was submitted to the history department in 1934. Expanded and retitled *The Vienna-Kosterneuburg Map Corpus of the Fifteenth Century, a Study in the Transition from Medieval to Modern Science*, was several years later submitted for publication to a European press in 1939.

In the preface to the volume, which was belatedly published in 1952 by E. J. Brill, of Leiden, Durand explains the delay. 'In twelve years much has happened to change the aspect of the world in which the [original] Preface was written. Among numerous

graver calamities, my book, which was in type and ready for publication in May 1940, became a war casualty. Fortunately, the resulting unavoidable delay does not seem to have aged it unduly. Being no longer active as a scholar, I have been unable to bring the references and the Bibliography up to date, but I have assured myself that nothing of importance has been produced on the subject of fifteenth century German cartography from 1939 to the present.' In the original preface Durand wrote, 'my primary object has been to show the existence during the later Middle Ages of an important tradition of map-making hitherto unnoticed by writers on the history of geography.'

When the United States entered World War II, Dana Durand began an intelligence career with the Office of Strategic Services. When that wartime agency was disbanded, and succeeded by the Central Intelligence Agency in 1947, Durand was employed by the latter, and served in various posts until his retirement in 1964. He subsequently established, and headed for some eight or ten years, the International Study Group on Democratic Development, a consulting firm.

Dana Bennett Durand died, following a stroke, on February 26, 1982, at Sibley Memorial Hospital, in Washington, D.C. He is survived by Katherine Russell Hayes Durand, his wife of fifty-five years, a son, two daughters, and six grandchildren.

Walter W. Ristow

NEWS



Entries invited for Directory

ENTRIES ARE NOW invited for inclusion in the fourth issue of the *International Directory of Current Research in the History of Cartography and in Carto-Bibliography* which is compiled and edited by E. M. J. Campbell and P. K. Clark. It will be published in time for the tenth International Conference in the History of Cartography to be held in Dublin from August 29 to September 3, 1983. Everyone actively carrying out research in the history of cartography and/or in the history of carto-bibliography is invited to have an entry in the *Directory*. Copies are still available of the third issue which was published in May 1981 and includes entries from scholars in thirty three countries. Send £3 or US \$7 (post free) or cheques payable to the History of Cartography Publications Society, to Professor E. M. J. Campbell, Birkbeck College, University of London, Malet Street, London WC1E 7HX.

later decided to move closer to his home town of Tewkesbury to work as a photographer for an advertising agency. Whilst doing this job he got to know a bookseller who had a small gallery showing exhibitions of modern paintings and providing a framing service.

The bookseller's book business had become very busy and so, as David explained, 'He sold me the business for £100 and I took over on April Fool's Day 1963.' Three months later he was married to Ruth, who was a nurse, and they now have two children, Simon, who is 12 and Clair, 8.

'Things were tough in the early days' said David 'when I started on April 1st we had £11 between us!'

As part of the 'stock' he took over with the framing service were a few local maps and prints and this was the first time David had come into contact with early maps. He sold them quickly and recognizing a demand he replaced them whenever he could.

He soon found that he had acquired a lot of knowledge about early maps, although he still cannot explain why he was so interested in the subject. Certainly the visual aspect was appealing to his artistic nature but he also appreciated their historical importance. A lucky find of a complete 1676 Speed Atlas finally launched him as a mapdealer.

During the early days when he was trying to build up his business, David used to travel to London and buy from various well known dealers. He remembers several of them for their kindness and help to a new boy, particularly John Maggs and Ronald Tooley. He will always be grateful to Mr Tooley for letting him buy a John Speed map of Gloucestershire in contemporary colour from the 1616 Latin issue for only £18 and is proud to say that he still has it. Now, of course, thanks to that early encouragement he is able to travel all over the world buying and selling and he is particularly well known in Europe and North America.

He has found that both American and European collectors do not like modern colouring and he is in agreement with them. 'I am delighted there is a move away in the market from modern colouring' David said. 'I feel there should be a much bigger differential in the price between an original coloured map and something coloured today.' Despite the recession, he is optimistic for the long term future of the map trade more especially in the area of high quality items.

Last year the business moved after eighteen years in Regent Street (which had been designated for redevelopment) to the Regency shopping centre of the town in Montpellier. A delightful area of interesting shops, the small floor areas keeping the chain stores away, it is even possible to park with relative ease! 'The move meant we could spend more time with our customers' explained David. 'Map collectors appreciate having their questions answered and I learn lots from them as well.'

The Gallery has published a number of leaflets on maps and how they were printed (which they will send free on receipt of a stamp) but the biggest project so far will come to fruition in the Spring of 1983 when Longmans will publish a book called *Antique Maps - A Collectors' Handbook*. Written by David and a friend, Carl Moreland, it contains around 75,000 words and 150 illustrations. It will be a useful handbook for collectors as it contains a wealth of information from many obscure sources besides much original material.

It is certainly true to say that the Regent Gallery plays a very important part in the international and home map trade due, in no small measure, to David's enthusiasm and artistic ability. Few other map dealers have as many individual maps in stock - at the time of my visit 1,025 were catalogued on their computer. In addition they carry a very extensive stock of the less highly priced eighteenth and nineteenth century maps as well as topographical and decorative prints.

NEWS



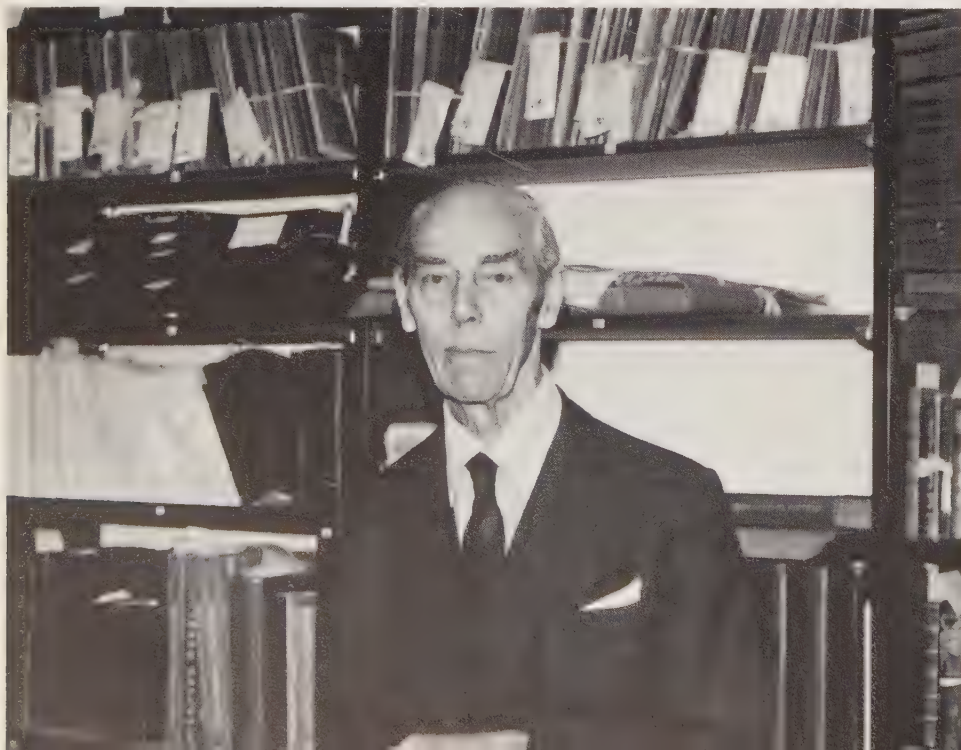
Sedley Wells to retire

AFTER TWENTY YEARS of loyalty to the auctioneers, Sotheby's of London, Sedley Wells, is to retire in September. His place is to be taken in the department by John Goss, Research Editor of *The Map Collector*.

It was Sedley who organised Sotheby's first complete sale of maps and atlases in recent years and since then these sales have built up to become an important part of the firm's activities. Previously maps and atlases were too small a part of their business to warrant a complete sale and were included in rare book auctions.

Sedley, who was born and brought up in Gloucestershire, joined Sotheby's in 1963 to assist in the cataloguing of their sales of autograph letters and manuscripts. He says he got the job because of his love for and knowledge of foreign languages which helped him to translate documents. When someone left the book department a year later Sedley took on rare book cataloguing. He has lost count now of the number of catalogues he has contributed to for Sotheby's but knows that it runs into hundreds. One of the most unusual catalogues which he prepared was for a sale on July 31, 1978, which consisted entirely of seventeenth century engraved maps by members of the Blaeu family.

Sedley Wells, pictured in the Book Department at Sotheby's. (Photo by Valerie Scott.)



A transit theodolite by Berge and Jones of circa 1805, one of the exhibits on display currently at the Whipple Museum of the History of Science, Cambridge. The Museum, which is part of the University of Cambridge, have entitled the exhibition 'The Compleat Surveyor' and the displays cover the whole range of surveying. It has been organised by the curator, Dr. J.A. Bennett and Mrs. Olivia Brown and will be open until the end of the year. A catalogue (price £1.50) and a descriptive booklet (£1) are on sale at the Museum.

He also remembers a funny incident connected with this sale when a caller asked to be put in touch with one of the Blaeu family!

'I had to explain as politely as possible that the Blaeus had been dead for over 200 years,' Sedley laughed.

His career began before the Second World War when he trained professionally as an auctioneer and surveyor. After the war, in 1946, he joined the firm of Hodgson & Co. auctioneers of books with premises in Chancery Lane (who, incidentally, were later taken over by Sotheby's).

'I gave up my surveying career because of my love of books,' Sedley explained. After several years he left Hodgsons to become Manager of Foyle's Rare Book Department and about four years later joined the London office of Stechert Hafner Inc. a New York firm of booksellers and publishers. There he managed their rare book department and prepared catalogues which were issued in America.

Sedley has thoroughly enjoyed his years with Sotheby's 'But I'm looking forward to retirement,' he told *The Map Collector*. 'I hope to do some of the things I haven't had time for.' These include more walking, keeping up his interest in foreign languages and perhaps paying a visit to his sister in South Africa. He has been interested in the whole field of collecting from fossils to books. 'I believe it is most important to keep a busy mind and I always intend to,' Sedley added. He is pleased to be handing over to John Goss who has specialist knowledge of maps and atlases and he will always be ready to help him with any advice or assistance.



Looking back over 40 years

IN 1926 HENRY STEVENS, Son and Stiles of Great Russell Street, London, held a sale of Rare Americana. Amongst the lots was the atlas, *Arcano Del Mare*, by Sir Robert Dudley, the first marine atlas in which the maps were drawn on the Mercator projection, and this sold for the princely sum of £275: A 'somewhat inferior copy' of Claudius Ptolemy's atlas *Geographiae* was priced at £40. (Would that it were possible to buy this work in any condition today for £40. Ed.).

STOP PRESS – ALERT TO DEALERS

Please contact Simon Pointer of The Map House, 54 Beauchamp Place, London SW3, if you are offered an atlas entitled *Le Neptune François* by Pierre Mortier. This atlas was stolen about May 5 from the basement of The Map House and is worth £10,750. The atlas is recognisable in several ways – one half was published in Amsterdam in 1693 and the other half published in Paris in 1700 and it contains a large Mediterranean map which is split down one fold. It is a folio volume, leather bound, original boards with gold tooling.

Competition Results

We are very sorry to say that there was no winner in our *Christmas Competition*. This was disappointing particularly as there was a large entry and many of you obviously put in some hard work to try and find the answers. It looks as if we made it far too difficult or, possibly, too confusing.

The correct solution was as follows:–

A = 5 (Walton c1658)	D = 9 (Pinargenti 1580)
B = 3 (Jansson 1650)	E = 8 (Scherer 1700)
C = 6 (Blaeu 1662)	F = 1 (Moll 1708)

Please send your news contributions to Valerie G. Scott, The Editor, at the address on Page 1. We are pleased to accept reports of society meetings, news about people in the map world, unusual maps which dealers may find, obituaries and good news, of course.



The Regent Gallery has one of the most extensive stocks of fine maps and topographical prints. A small selection is shown on the following pages.

The Gallery is open Tuesdays to Saturdays from 10 a.m. until 5.30 p.m. Customers will, however, be welcome at any time by appointment — call David Bannister or John Eltham on 0242 512826 to make arrangements.

Comprehensive catalogues are published regularly. Collectors with a specific field of interest can be kept fully informed on request of our stock and latest acquisitions.

TYPVS COSMOGRAPHICVS VNIVERSALIS



346 Simon Gryneaus (1493-1541)
Typus Cosmographicus Universalis 1532.
 362 x 550 mm. Fine condition. Uncoloured.
 Possibly engraved by Hans Holbein the younger.

Scientifically and artistically this is an important map. Two angels are shown turning the world with handles — eleven years before Copernicus published his theories suggesting this idea, and the profusion of superb

decorative detail reinforces the belief that a master artist of Holbein's ability was involved in its production. *Ref: The World Encompassed (Baltimore 1952) Item 65*

£5250



848 Abraham Ortelius Septentrionalium Regionum Descrip. (1570) 1574

360 × 490 mm. Superb original colour, large margins. Latin text verso.

One of the most influential early Arctic maps this includes Scandinavia, Iceland, Greenland, the British Isles and part of North America. Some of the legendary islands "Drogeo", "Brazil", "Frisland" and "Podalida" amongst others are shown. Very decorative indeed. Ref: *Koeman: Ort 12 (60) 1574* **£750**



560 Johann Baptist Homann Mississippi Seu Provinciae Ludovicianae 490 × 585 mm.

Coloured, strong impression, good margins.

Based on Delisle's seminal map of 1718 but covering a greater area. The route followed by De Soto is shown besides much other information about early settlements. Cumming: *South East in Early Maps*. p.187. **£425**



55 Willem Blaeu (Ca 1571-1638) Lacus Lemanni . . . (1635)

A later issue. 415 × 525mm.

Fine original colour, good condition. French text verso. A typically magnificent production of the Blaeu publishing house with attribution given to Jacob Goulart, of Geneva, whose survey provided the source material for this map. Ref: *Koeman B115 (97)*. A later issue. **£300**



959 Pieter Van Den Keere (1571-c1650) Novus XVII Inferioris Germaniae Provinciarum Typus . . 1617. 380 × 495 mm.

Good, uncoloured. Latin text verso. **First edition of a map by Van Den Keere.** A most attractive map from the Van Den Keere atlas of the Low Countries. With North to the right hand side of the map and a profusion of ships shown in the North Sea. Covers a triangular area from Emden to Abbeville to Metz. Ref: *Koeman: Keel (3)*. **£265**



629 Jan Jansson (1588-1664) Nova Helvetia Tabula. 1630. 410 × 530 mm.

Fine condition, uncoloured. First edition.

Excessively rare map, very few copies known.

Despite the continuing success of the ageing Mercator atlas, publication rights of which Hondius and Jansson had inherited, competition from the Blaeus forced a new approach. Commissioning a number of new maps Hondius and Jansson issued an entirely new "experimental" atlas which — altho' magnificently produced — did not sell, customers preferring the old Mercator atlas. This beautiful map comes from one of these atlases and its extreme scarcity is explained by lack of commercial success of the atlas. Ref: *Koeman Me. 31A (36)*. **£1500**



282 Willem Blaeu Mappa Aestivarum Insularum Alias Barmudas Dictarum . . . (1630) 1640 405 × 535 mm

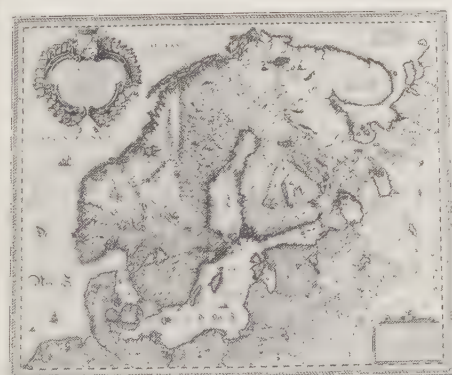
Good, with original colour. French text verso.

The third printed map of Bermuda, based on the Speed map of 1627. The original settlers' plots are shown with an extensive list of the family names beneath the map. It is fascinating to see that the names of only men are given (171 in all) and to consider that the Island was only first settled some 18 years previously (in 1612) by sixty people! Ref: *Koeman B117 (82)*. **£350**



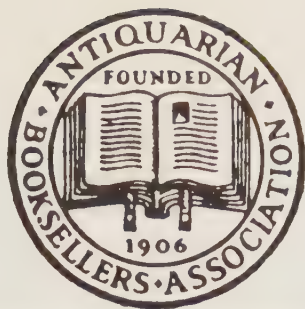
811 Gerard de Jode (1509-1591)
Angliae Scotiae et Hibernie Nova
Descriptio (1570) 1593. 345 × 495 mm.
Original colour, good condition.

Elusive map of the British Isles.
Published after Gerard de Jode's death by his son, Cornelius, this map was only issued three times which accounts for its scarcity. Similar to the Ortelius map of the same area they share a common source; Mercator's wall map of 1564, of which only three copies survive. *Ref: Shirley No. 173. £1450*



44 Nicholas Visscher & Abraham Goos
Sveciae et Norvegia (with Denmark &
Finland) 1633 Early colour, good condition;
French text verso.

The first edition of a very rare map.
From the French Appendix of the Mercator-Hondius-Jansson atlas of 1633 this map was only reissued twice—once in 1656 and on another occasion the date of which is uncertain. Signed (and dated 1630) by Goos bottom right. *Ref. Koeman Me. 35 No. 5. £650*



596 Nicholas Visscher : Novissima et
Accuratissima Totius Americae (Ca 1670)
434 × 542 mm. Original colour large margins.

An important much copied map. Dedicated to Cornelius Witsen whose arms are shown in a decorative surround top left. California is shown as an island and the St. Lawrence is depicted as coming from a single large lake — open at its western end. *Ref: Koeman III p. 179 (92) Tooley: Mapping of America p. 119 Item 29 Plate 41. £750*



56 Abraham Ortelius: Cypri Insulae
Nova Descript. (1573). A later issue.
350 × 495 mm. Fine impression, large margins;
Latin text verso.

The second, and largest scale, map of Cyprus by Ortelius. The Isle of Lemnos is shown in the inset bottom right. A fine example of 16th century engraving.
Ref. Koeman Ort 6 (39). £350



958 Pieter Van Den Keere (1571-c.1650)
Luttenburgensis Ducatus Veriss
Descript. 1617. 372 × 490 mm. Uncoloured,
good condition but slight water-staining at top.

Although based geographically on the Surhonijs/Ortelius map of 1592, this is arguably a much more attractive map. A magnificent cartouche fills the lower left hand corner with an inset view of the fortified city and a man and a woman in the traditional Luxembourg costumes. *Ref. Van der Verkenne 2.07(A) P.60. Koeman: Keel (8). £265*

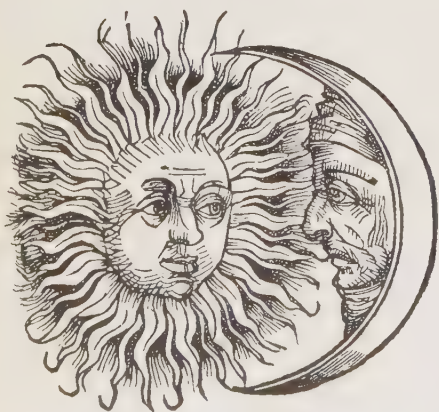


381 Martin Waldseemüller: Oceani
Occidentalis Seu Terre Nove: (1522) 1525.
287 × 415 mm. Woodcut, good margins.

Although a reduced version of the famous 1513 Waldseemüller map, Laurent Fries the editor of this edition included much new information, some reputed to be from Colombus himself! *Ref: Schwartz & Ehrenberg: Mapping of America. Pgs 26-29. Plate 8. Phillips 362. £1500*



WOODCUT MAPS FROM THE 1522 STRASBURG PTOLEMY



In 1522 Joannes Gruninger issued a Ptolemaic atlas from new woodblocks copied from the famous 1513 atlas of Johannes Schott. This was the most important issue of Ptolemy as it contained not only the 27 maps of the ancient world but also 20 modern maps based on contemporary knowledge; Martin Waldseemüller was in charge of production and although reprinted in 1520 demand was such that a complete reissue was considered to be commercially viable. It was, in fact, so successful that this 1522 production was reissued in 1525, 1535 and 1541 and it was recognized as a most influential geographical treatise. We can offer a number of maps from various editions of the atlas; brief details are given and we will be pleased to send further information upon request.

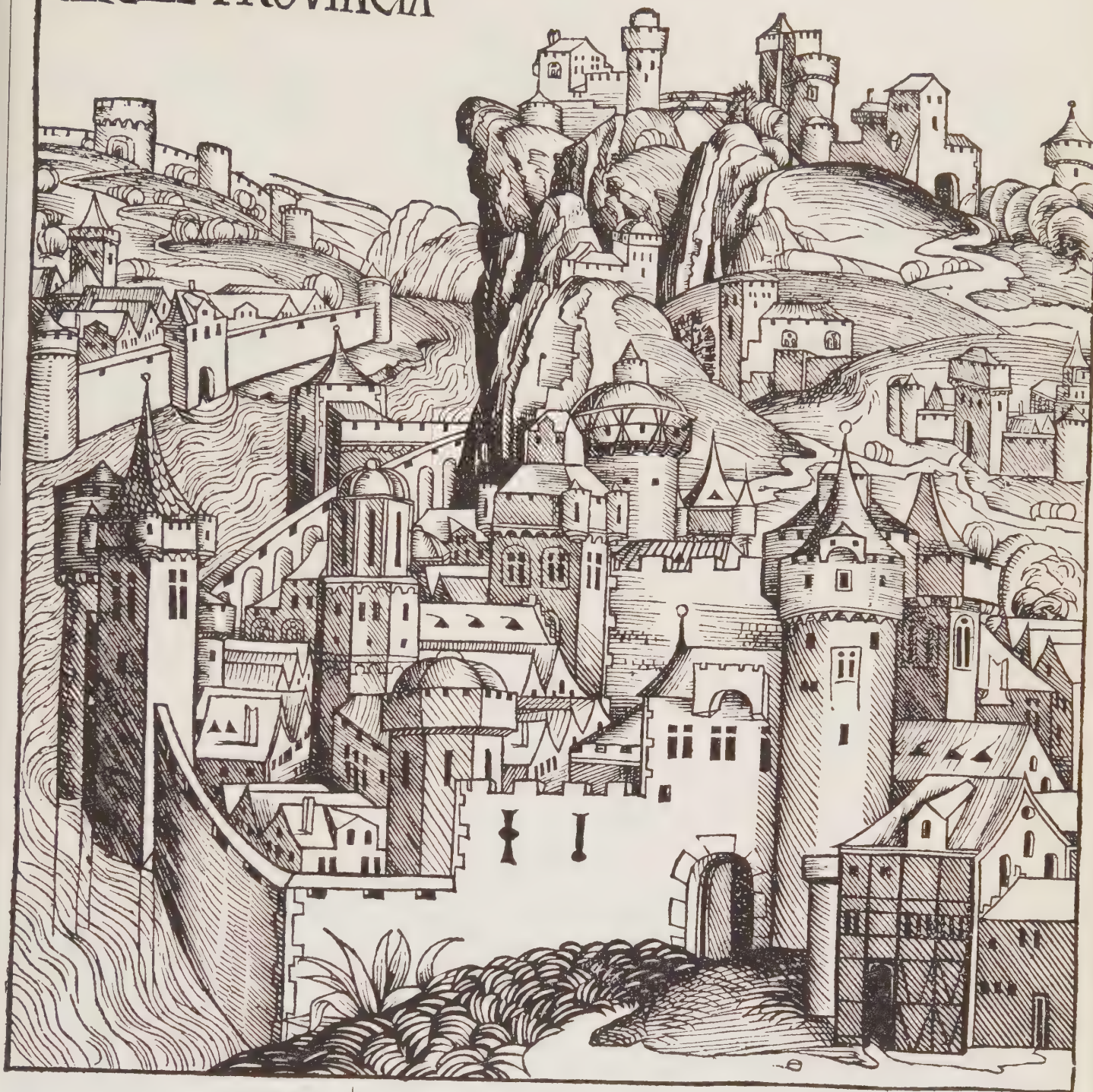
675

Holy Land 1522 Strasburg
Tabula IIII Asiae. 1522. 347 × 444 mm.
Fine condition, some early colour emphasising names.

The Holy Land map from 1522 Ptolemy published in Strasburg by Joannes Gruninger, a reduction of the famous 1513 atlas which was the first atlas to contain a substantial proportion of "Modern" as opposed to Ptolemaic maps. £625

22 Arabian Peninsula 1525	£475
25 China & Tartary 1525	£500
29 India & Malaya 1525	£400
47 Ptolemaic British Isles 1522	£650
1027 Modern British Isles 1535	£985
154 Italy 1522	£235
263 Persia 1525	£385
649 South Africa 1522	£650
661 Greece 1522	£250
675 Holy Land 1522 Illustrated above	£625
759 Spain 1522	£165
887 Crete 1522	£275
945 Baden Wurtemberg 1522	£275

ANGLIE PROVINCIA



This superb woodblock (235 x 220 mm) was published in the famous book entitled The Nuremberg Chronicle, or Liber Chronicarum, by Hartmann Schedel and Anton Koberger in 1493. A descriptive text (not illustrated) underneath the view

gives a fascinating description of the British Isles in Medieval Latin. We have a translation of this text together with a brief history of the book from which it comes, which we will be pleased to send to anyone interested. £135

THE FIRST KNOWN "VIEW" OF ENGLAND 1493



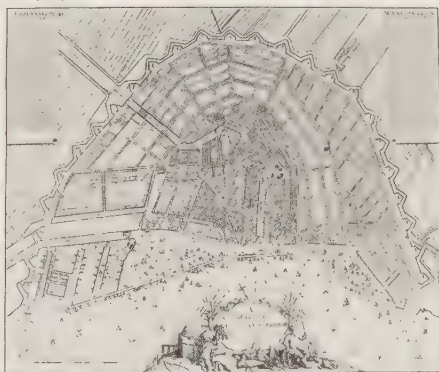


**946 Francois de Belleforest (1530-1583)
La Ville de Londres**

1575 306 × 482 mm. Superb uncoloured impression, two worm holes, but with no fold damage.

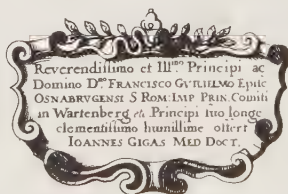
The first woodcut map of London.

This fine woodcut was derived from the Braun and Hogenberg plan of 1572 and issued in Paris in 1575 by Francois de Belleforest in his version of Munster's *Cosmographie*. Being folded in the book it is very rarely found in an unrepaid state such as this example is. *Ref. Darlington and Howgego: Printed Maps of London: No 3. £565*



247 John Senex A new map of the city of Amsterdam 1720 . . . S. Parker Sculpit

1721. 490 × 590 mm. Uncoloured, fine impression, good condition. Magnificent plan of the city with a profusion of ships (well over a hundred!) shown in and around the harbours. A very attractive title piece bottom centre and a key to over three hundred and fourteen streets and buildings is also given. *Ref. N.M.M. Greenwich Catalogue 434 (9) £225*



**833 Henry Hondius
Osnabrugensis Episcopatus . . .
Apud Henricum Hondium**

370 × 475 mm. Uncoloured, fine condition, no text verso. Although signed by Hondius this map was first issued in the Jansson *Atlantis Maioris* of 1630 (Koeman: Me 31A; 21). Re-issued a number of times later on this is possibly the first issue which had no text verso. **£285**



**955 Nichols de Fer (1646-1720) . . .
California et du Nouveau Mexique . . .
(1700) 1705. 223 × 342 mm.**

Uncoloured, fine condition.

First map to show the discoveries of Father Kino. A very important map of the area based on a manuscript made by Kino himself around 1696 when he had reached the Colorado River but before he had discovered that California was not an island! Many of the more than five hundred named places are shown for the first time.

Ref. Tooley: Mapping of America (California as an Island) No. 62. £425



492 Girolamo Ruscelli (c1504-1566)

Tabula Europa I. 180 × 250 mm. An elegant copper plate map, possibly engraved by Vincenzo Valgrisi who also printed the first edition of the Ruscelli Ptolemy. This map is on the Ptolemaic projection. Uncoloured, fine impression. Shirley "Early Printed maps of the British Isles" No. 79. **£50**



**731 Francois de Belleforest (1530-1583)
Des Iles de Bretagne,
La Grand Albion . . . 1575. 180 × 250 mm.**

Superb crisp impression in very good condition.

A rare map which was never reissued after its appearance in the Paris-published French translation of Sebastian Munster's "*Cosmographia*". *Ref. Shirley No. 112. £185*

**Charte Cosmographique avec les Noms
Proprietez Nature & Operations des
Vents. (1544) 1581. 215 x 292 mm. Fine
condition, uncoloured.**

Peter Apianus, Mercator's tutor, first published his famous *Cosmographia* in 1524 but no map was included until 1544 when Gemma Grisius became editor. The Cordiform projection used endeavoured to give equal area to all parts of the globe by showing each extremity at the same distance from the North pole. A very attractive, decorative map. *Ref: Skelton: Decorative Printed Maps. Pl. 8. £625*



**Nova Et Accuratissima Totius Terrarum
Orbis Rabula (1662).** 410 × 510 mm.

First issue of Blaeu World Map. This famous map in "hemispheres" is the second atlas world map used by the Blaeus and first appeared in 1662. Due to its short life (the plates were destroyed in 1672) this magnificently decorative map is significantly scarcer than the other renowned Blaeu production on the Mercator projection. *Ref: Koeman B156 (1)* **£2500**





John Speed's World Map Free

John Speed: Map of the World 1627, the issue from The Prospect of the Most Famous Part of the World 1662. £2750

Printed by Roger Rea, the major part of the atlas stock was destroyed by the Fire of London in 1666. All maps from the edition are

rare and the World Map illustrated is not only from this issue (and in very fine condition) but it is FREE to the first person to solve our World of Maps Mystery. An entry form for the competition will be found in our forthcoming catalogue – send for your free copy now.

Maps ordered from this selection will be sent by insured post upon receipt of payment, by cheque or credit card, for the full amount (postage is included). Overseas remittances should be sent in Sterling. If any item is not to a client's satisfaction, a refund will be made (less post and insurance charges) provided it is returned undamaged within seven days of receipt. Please quote the number to the left of each description when ordering.

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The Regent Gallery A.B.A.
10, Montpellier Arcade
Cheltenham, GL50 1SU, England
Telephone: Cheltenham 512826
Telex 29750. Ref. 2088

Please send me your free catalogue and entry form for World of Maps Mystery.

Name _____

Address _____

Telephone _____

BOOK REVIEWS

A COLLECTION OF EARLY MAPS OF LONDON 1553-1667. *Introduction by John Fisher* and published by Harry Margary in association with Guildhall Library, London, 1981. Introduction 3pp; 21 facsimile plates of maps. Price £10.00 (loose sheets), £15.00 (sheets bound flat between card covers), or £30.00 (sheets folded, guarded and bound between hard covers).

The great metropolis of London now sprawls so far and wide that we forget how small and compact it was in former times. In the 1570s the population was not much more than 120,000 – the size of present-day Norwich or Oxford. London's built-up area scarcely extended outside the city

walls from the Tower to just west of St. Pauls.

A few grand palaces were vastly outnumbered by the tightly packed dwellings of the overcrowded populace, described by John Stow as living in filthy cottages and pokey tenements amid straggling passages and multitudinous gloomy alleys. Just before the Fire of 1666 Dugdale wrote of the houses as 'obscure and base'; and the streets as 'just a multitude of byelanes, nooks and alleys huddled up one on the neck of another so that some houses scarce saw the sun.'

It is this picture of London that can be glimpsed in the map views of early London in the Guildhall Library's latest publication, 'A Collection of



Early Maps of London 1553-1667.' The maps reproduced are two surviving sheets (out of fifteen) of the Copperplate Map of c.1553-59, Braun and Hogenburg's map of 1572, the eight-sheet 'Agas' map from woodblocks originating c.1562, the survey of Faithorne and Newcourt of 1658, and two engravings by Hollar: a sheet from his 'Great Map' of c.1658 and the post-Fire survey of Leake. The Introduction is by John Fisher.

The first three of these maps, taking up ten of the twenty-one plates, were all reproduced in *The A to Z of Elizabethan London*, also published by the Guildhall Library and reviewed in *The Map Collector* of June 1980. The main new interest therefore lies in the facsimile reproductions of the Stuart maps. The first of these, by Richard Newcourt, seems to have grown out of his survey of the capital during the Civil War between 1643 and 1647 although the map was not published until 1658. New rows of houses have sprung up around the periphery but in spite of the increase in population – perhaps quadrupling to 400,000 – the changes since the 'Agas' map of a century earlier are surprisingly few. The map's interest is diminished by the somewhat mechanical style of engraving which lacks the individuality and eye for detail displayed by the two artists responsible for the Copperplate and 'Agas' maps a hundred years before. The engraver of Newcourt's survey was William Faithorne, also known for a four-sheet map of Maryland and Virginia.

The last two maps reproduced are engraved by Wenceslaus Hollar and both, in contrast to Newcourt's map, are masterly works. The plates reproduced are the only published sheet of Hollar's 'Great Map of London and Westminster,' where almost every building is drawn with the utmost precision, and the two sheets of John Leake's post-Fire 'Exact Survey' of London dating from 1667. Here the immense area devastated by the Fire is left starkly white. How London was rebuilt can be seen in two later maps: by John Ogilby and William Morgan (1679) and by Robert Morden and Philip Lea (1681-82). These large and detailed maps were reproduced by the Guildhall Library in 1976 and 1977 respectively.

For the local cartographer or keen London historian the latest 'Collection of Early Maps of London' will be a rich mine of social and topographic information. John Fisher's prefatory essay admirably introduces each of the six maps. However, for the general reader who may have been subscribing to the Guildhall's series, the value of the work is reduced because, as I have pointed out, three of the six maps have already been reproduced in the *A to Z of Elizabethan London*. The present volume lacks any composite maps of London as a whole, making any overall comparisons very difficult without much thumbing of pages. Moreover the individual plate sheets are not identified in any way and therefore for those unfamiliar with London of the day it is not immediately easy to know which map is which, especially as the sequence of presentation does not follow the natural west-to-east layout of the multi-sheet



maps. For these reasons I would recommend would-be purchasers to consider buying the loose sheets (at £10) rather than the bound versions (card cover at £15 or hard cover at £30).

These points in no way detract from the gratitude we owe Ralph Hyde and John Fisher (respectively Keeper and Assistant Keeper of Prints and Maps in the Guildhall Library), and Harry Margary, for their scholarly initiative in delving into London's cartographic past and presenting these facsimiles to us. I think they feel much the same about London as that enthusiastic Scottish poet William Dunbar in his eulogy to the City of London:

'London, Thou art of townes *A per se*
Soveraign of cities, semeliest in sight . . .
London, thou art the flour of Cities all.'

Rodney W Shirley

THE A.E. NORDENSKIÖLD COLLECTION IN THE HELSINKI UNIVERSITY LIBRARY. ANNOTATED CATALOGUE OF MAPS MADE UP TO 1800. *Compiled by Ann-Mari Mickwitz and Leena Miekkaavaara and Tiula Rantanen.* Vol. 2 Atlases K-Z. Helsinki, Helsinki University Library, 1981; Stockholm, Almqvist & Wiksell, distributors (USA, Humanities Press), (295 x 205 mm) pp ix + 322. £20 approx. ISBN 951-45-1704-0.

Readers will recall my particular pleasure at the publication of the first volume of this very fine cartobibliography, reviewed in these columns in issue no 12 (September 1980, p 42). The appearance therefore of the second volume (and another three are planned, or in course of preparation, I understand) deserves no less a welcome.

The numbering sequence runs on from volume one, beginning with an untitled collection of van Keulen charts published between [1674 and 1682] through to Jacob Ziegler's *Quae intus continentur. Syria, ad Ptolemaici operis rationem* (Strassburg, 1532), which, although not really an atlas, does however contain the important 'Schonlandia' map [Octava Tabula] which influenced Münster and others. The present volume includes eleven editions of the Mercator atlases published between 1585-1651 [cross-references to Koeman's collations are given in each case, likewise with other atlases published in the Netherlands], seven editions of Münster's *Cosmography* published from 1544 to 1628 [these, apart from Burmeister's collations, are not easily available elsewhere], fifteen editions of the Ortelius *Theatrum* and the *Eptome* published between 1570 and 1608, eight editions of Porcacchi da Castiglione's *L'Isola piu famosa del mondo* [an 'atlas' of great interest, frequently broken up in recent years, but which has received little study or attention so far]. Nordenskiöld's collection contains editions published between 1572 and 1686, cross-reference being made to the Library of Congress listings.

The supremacy of Ptolemy in the geographical thought of the renaissance period [some might say stranglehold] is well evidenced by the number of different editions of the *Geographia* collected by Nordenskiöld and which are described in the present volume. The collection numbers 46 editions published between 1475, the Vicenza edition, published without maps, and 1730, the Wetsten issue of the Mercator plates of 1578, published at Amsterdam. Cross-references are given to the earlier listings included in Nordenskiöld's own *Facsimile Atlas* (Stockholm, 1889), that pioneering study of historical cartography, still in print in paperback form, as well as the Library of Congress listings, and so on.

Lesser works are given their place also. For example, the name of Matthias Quad appears five times, including the atlas *Europae totius* 50

Terrarum Orbis (Köln, 1596), the *Geographisch Handtbuch* (Köln, 1600). Here, I would like to make one small comment on the Notes. The compilers state that the plates in this work are reprints of those which appeared in the Magini editions of Ptolemy (Venice, 1597). I recently had the good fortune to examine a copy of this work, and it became clear to me that the plates are in fact close copies, not reprints, of the Magini Ptolemy plates (refer to entry 224 (Magini) and 238 (Quad) in the bibliography).

Various of the great Dutch seachart atlases are included in this second volume also, including Robijn [post-1686] and seven editions of Waghenauer's *Spiegel* in its Dutch, Latin or French text editions published between 1584 and 1591.

In conclusion, I would like to restate my earlier comment that everyone who has been involved in the production of this catalogue may justly be proud of the finished result. May the other volumes follow soon.

J. J. S. Goss

MAPS AND CHARTS OF NORTH AMERICA AND THE WEST INDIES 1750-1789: A GUIDE TO THE COLLECTIONS IN THE LIBRARY OF CONGRESS. *Compiled by John R. Sellers and Patricia Molen Van Ee* (Washington, D.C.: Library of Congress, 1981). vi + 495 pp. ISBN 0-8444-0335-0. Price \$17.

The Geography and Map Division of the Library of Congress possesses one of the world's greatest collections of printed and manuscript maps, plans and charts. For the North American continent the collection complements that of the National Map Collection in the Public Archives of Canada but is unrivalled by any other. Somewhat surprisingly, therefore, there has never been a printed catalogue of the whole collection. Philip L. Phillips, *A List of Maps of America in the Library of Congress* (1901) included all the items for the New World as of November 1897 but more than eighty years of active acquisition have reduced its usefulness and its cartobibliographic standards fall somewhat short of the best modern practice. The absence of an adequate printed catalogue and the relative isolation of Washington D.C. (the latter compounded until recently by the location of the collection for many years in an outer suburb) have resulted in a gross underusage of the collection by scholars and collectors. Only the initiated, the intrepid and those fortunate enough to live within easy access of Washington have been able to avail themselves readily of the advice of the Division's excellent Reference Section and the Library's equally excellent Photoduplication Service.

The *Guide* is the last of three to cover the non-book materials in the Library of Congress for the Revolutionary War period (the others covered manuscripts, drawings and prints). The core of the work is made up of 2154 annotated cartobibliographic entries, many of which cover two or more states of a map, plan or chart. All the items were drawn or printed between 1750 and 1789 and approximately one quarter are manuscripts. Only 45% of the entries are grouped under the 'United States.' A further 10% are grouped under 'North America,' 19% under 'Canada,' 22% under 'Caribbean,' with the remaining 4% divided between 'International Waterways,' 'Bermuda' and 'St. Pierre, Miquelon and Magdalen Island.' The geographical distribution of the areas covered by the items is predominantly adjacent to or within an 800 mile-wide zone paralleling the Atlantic coastline. Interior, western and northern North America were still relatively unknown and virtually unsettled even at the end of the period covered by the *Guide*. Even within eastern North

America the geographical distribution of entries is at first sight surprising: 248 under 'Nova Scotia' as against forty five under 'Quebec'; 110 under 'Massachusetts' but only thirteen under 'Connecticut'; and 171 under 'New York' but only two under 'Delaware.' The Index refers to thirty eight entries under 'Boston, Mass.', thirty four under 'Boston and vicinity' and fifty nine under 'Boston Harbor' but only two entries under 'Baltimore, Md.' In addition to the cartobibliographic entries, the *Guide* contains a four-page Introduction, thirty one greytone reproductions of maps, a five page List of Works Cited and a thirty three page Index.

The Introduction presents a clear and necessary overview of the international developments and events which determined the cartographic activities of the period and arguably made those four decades more important than the previous 250 years of cartographic endeavour within North America and the Caribbean. However, it makes no attempt to review the development of the collection, to assess its representativeness or to explain some of its unique constituents e.g. the William Faden and Peter Force Collections. Each item is described according to current Library of Congress cataloguing rules: cartographer; title; place of publication; publisher; year; dimensions; scale; and catalogue number (with appropriate modifications for manuscript maps). The annotations average fifty words in length and indicate the area covered, features shown, source (of printed maps taken from books and atlases) and the significance of historically important items. These entries are models of clarity, consistency and concision. The Index serves them extremely well. It covers 'chiefly personal names, place names and terms that appear in map titles and annotations in the guide,' plus a few topics such as land companies, military lands, cadastral maps and Indians. The List of Works Cited (slightly more than 100) is at first sight surprisingly short but consists mainly of eighteenth century sources of maps, with only a few particularly pertinent modern reference works. The thirty one reproductions suffer from excessive reduction, lack tonal contrast and have a generally fuzzy appearance. They are the least satisfactory aspect of the *Guide* and, in the reviewer's opinion, the least important. An expensive commercial publication would doubtless have achieved better results in this respect but would have increased the selling price by at least twice. In every other respect the physical form and quality of the volume is admirably suited to its purpose: a sturdy volume to be consulted and browsed through over many years.

Scholars will find the *Guide* a valuable reference work, particularly so for its entries to almost 600 original manuscript maps. Collectors on the other hand will find the almost 1600 entries to printed maps more pertinent to their needs. Though not indicating value or degree of scarcity it contains entries to a very high proportion of the printed maps of the period, so helping collectors isolate items for possible search and acquisition; dealers to isolate books and periodical literature containing maps and both collectors and dealers to find out more about the maps, charts and plans which they already possess.

G. Malcolm Lewis (University of Sheffield)

Catalogues Received

PAUL ROBERTS STONEY, Route 2, Box 521, Lancaster VA 22503, USA. Tel: (804) 462-5741. *Catalog 1-82 A Selection of Antique Maps and Views.* Catalogue of maps and prints of the Americas and the World, arranged alphabetically by area. pp[21], 151 entries, 101 illustra-

tions, list of references cited.

D. & E. LAKE LTD, 106 Berkeley Street, Toronto, Canada M5A 2W7. Tel: (416) 863-9930. *Maps Of Canadian And American Interest*. General catalogue of maps and books relating to Canada and North America in general. pp 13, 25 entries, 13 illustrations.

McDOWELL & STERN LTD, 56 Petergate, York YO1 2HZ. Tel: York 22000. *List A. Maps From Stock*. Listing of road maps from Ogilby's *Britannia* (1698), and Camden's *Britannia* [Morden] (1695). pp[3], 201 entries, 2 illustrations.

THE RENDELLS INC, 154 Wells Avenue, Newton MA 02159, USA. Tel: (617) 965-4670. *The History of Mankind I*. General catalogue of autographs, prints and maps from the earliest times to the twentieth century. pp 48, 106 entries, 38 illustrations.

Publications Received

MAPS OF UTAH TO 1900 by Riley Moore Moffat. 1981. xv1, 177p. \$10 plus post (Prepaid orders are post free). (LC 81-659; ISBN 0-939112-09-4) Published by Western Association of Map Libraries, University Library, University of California, Santa Cruz, CA 95064, USA.

CANALS AND RAILROADS OF THE MID-ATLANTIC STATES 1800-1860 by Christopher T. Baer. 1981. 51 pp text plus 5 large

maps. Published by the Regional Economic History Research Center, Eleutherian Mills-Hagley Foundation, Inc., P.O. Box 3630, Greenville, Wilmington, Delaware 19807. ISBN 0-914650-19-X.

For our Dutch speaking readers we would like to mention a new publication, CAERT-THRESOOR TIJDSCHRIFT VOOR DE HISTORISCHE KARTOGRAFIE. The first issue (Vol. 1, February 1982) contains important articles on the Springer-Collectie at the library of the Landbouwhogeschool at Wageningen; the German mapmaker J.C. Haneman, who worked as a surveyor and cartographer in Suriname and Guyana between 1770 to 1806. Some of his charts were published at Amsterdam by the firm of Hulst van Keulen (for example, his 'Kaart van de Colonie Suriname' (1784)). The first issue contains also a short article on the eighteenth century Hattinga map-chest found recently in the Rijksarchief at Middelburg.

Further details and subscriptions are obtainable from Postbus 68, 2400AB Alphen aan den Rijn, The Netherlands.

We wish this new quarterly every success! Voor onze Nederlandstalige lezers wijzen wij aan op de nieuwe publikatie, CAERT-THRESOOR TIJDSCHRIFT VOOR DE HISTORISCHE KARTOGRAFIE. Het eerste nummer (1^e jaargang, februari 1982) is al reeds verschenen en wervat belangrijke hoofdartikels over de Springer-Collectie in de bibliotheek van de



Landbouwhogeschool te Wageningen; de Duitse kaartograaf J.C. Haneman, die van 1770 tot 1806 in Suriname en Guyana als landmeter en kaartograaf werkzaam was. Enige van zijn kaarten van het kustgebied van Suriname (b.v., zijn 'Kaart van de Colonie Suriname' (1784) werden door de firma Hulst van Keulen te Amsterdam uitgegeven. Dit eerste nummer van CAERT-THRESOOR bevat ook een bijdrage over de Hattinga Kaart-kist uit de 18^e eeuw onlangs in het Rijksarchief te Middelburg gevonden.

Verdere gegevens en abonnementen kunt u bij de administratie te Postbus 68, 2400 AB Alphen aan den Rijn verkrijgen.

Wij wensen dit nieuwe kwartaal-publikatie veel succes!

Cartographical Curiosities 18

Two views of a curiosity sent in by one of our readers, Jeffrey Gordon, Assistant Professor of Geography at Bowling Green State University, Ohio, USA. It is a porcelain paperweight for charts and the top is decorated with a map of British South Africa. In addition to its low height of only 1 1/8 inches and its concave top surface measuring 3 inches it also has another interesting feature which is an indented side reeded so that it could move easily along a low brass rail enclosing the chart table. The bottom diameter is 3 1/2 inches and there is a registry mark, Rd No 161425. It is known that there were other paperweights like this decorated with maps of different areas.



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LETTERS TO EDITOR

Sir
In connection with the caption for the front cover of *The Map Collector*, March 1982, which was a portrait of Gerardus Mercator (1512-94), I have now found out that the engraver of the portrait was Hendrik Goltzius. There is a reference in Alfred Hentzen and Niels von Holst, *Die Grossen Deutschen im Bild* (Berlin 1937).

David Woodward
Dept. of Geography

University of Wisconsin
443 Science Hall
Madison, WI 53706.
USA

We were so pleased with this piece of literary merit which arrived in our subscription department this week that we would like to share it with readers:-
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Sir
I was very interested in the article 'Road Maps for Europe's Early Post Routes 1630-1780' in your September 1981 issue. Mr Elias, the author, mentioned the earliest known map of England

showing the roads by Richard Carr. There are very few copies in this country (one is in the Bodleian) but I have a photograph of an example from the University Library, Leiden, so that readers can see what it looked like. (See below)

Later on in his article Mr Elias referred to '... John Adam's large scale map in twelve sheets, the 'Angliae totius Tabula' dating to c1695, on which roads between the towns of England and Wales were shown as straight lines with distances next to them.' Might I offer a couple of corrections in relation to this often misquoted map maker? First, his name is Adams, (not, as implied Adam); second, his large twelve sheet map 'Angliae Totius Tabula' was published in 1677 (notice in *London Gazette*, June 1677), and not c1695 which was the supposed date of one of several re-issues.

A reproduction of a reproduction of one of the many reduced-size (two-sheet) versions appeared in *The Map Collector* for March 1981, part of the map collection of the Clark Library, Los Angeles. Adams' distance map must have filled a real need as it was copied many times over until the end of the eighteenth century. I am currently trying to collate all these derivatives - so far over thirty have been identified.

Rodney Shirley
Seer Green
Bucks



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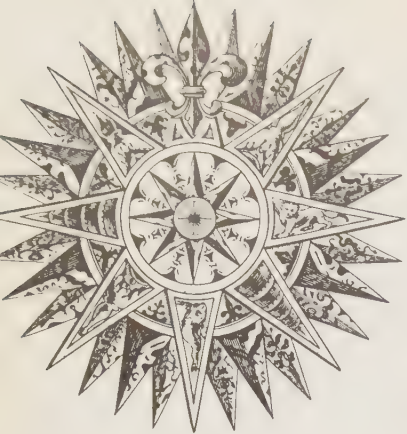
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The Val d'Aran

by Philip Humble

THERE ARE MANY inaccuracies on old maps. Some of them are deliberate, a few are genuine mistakes but most of them reflect the state of knowledge of the area at that time.

One interesting inaccuracy is to be found in the maps published at the end of the seventeenth century which show the Val d'Aran. This is the upper valley of the river Garonne and the surrounding mountains. It is a very attractive valley covering an area of about fifty miles by twenty five miles. The main line of the Pyrenees is east from the Massif of Maladetta across the national park of

the Aigues Tortes and the Val d'Aran is north of this area. It then turns north across the Pass of Bonaigüa which is the main communication between the valley and the rest of Spain except for the road tunnel above Viella. The border between France and Spain at the river's exit involves no pass at all. So, the area, although politically in Spain, is geographically in France.

Little is known of the early history of the valley. From the tenth century Aran changed hands several times and was under different Pyrenean Counts. In 1175 a treaty was signed in which Aran was

A view of Salardu in the Upper part of the Val d'Aran with the high Pyrenees in the background. (By courtesy of the Spanish Tourist Office.)

(Top right)

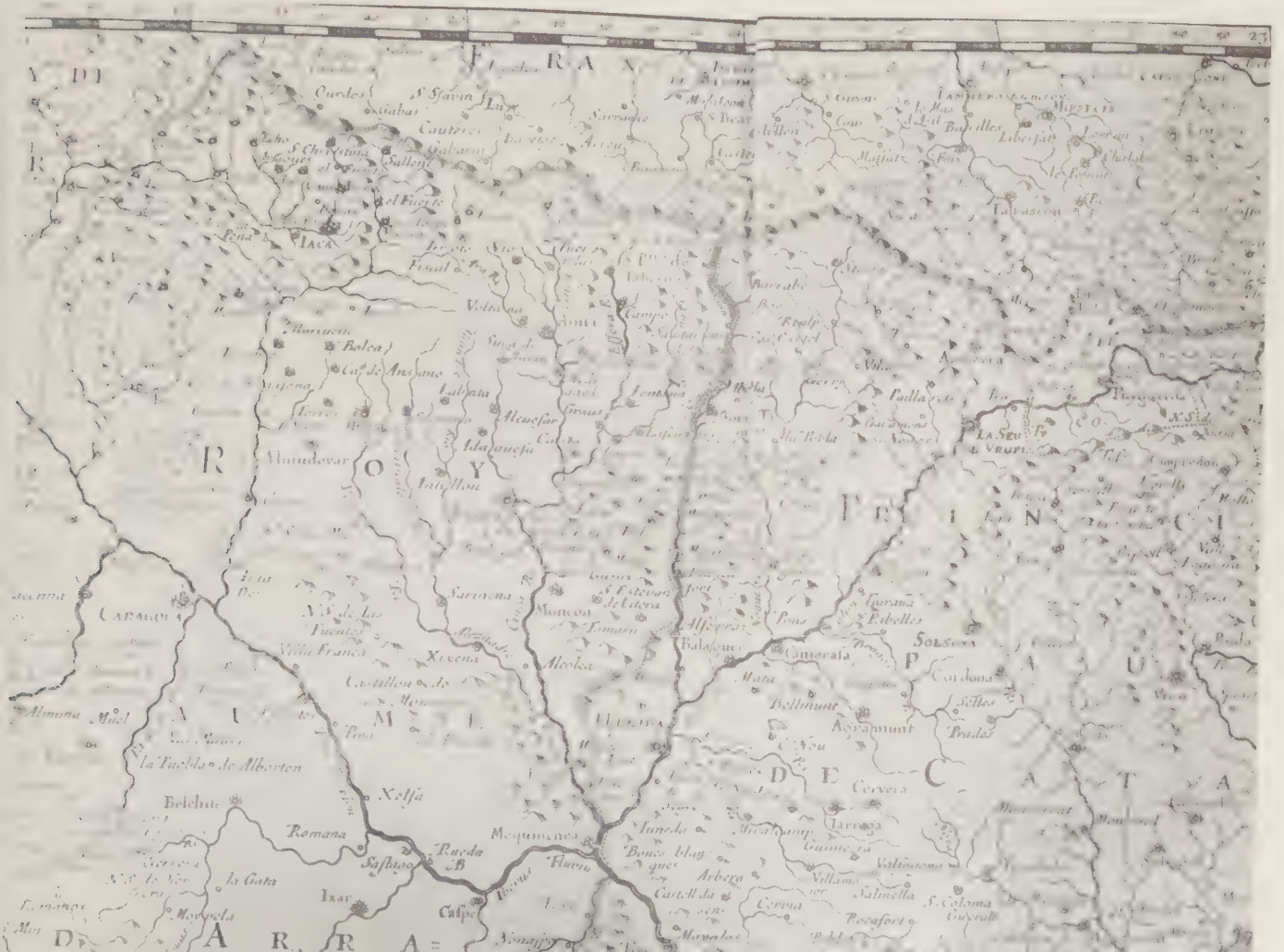
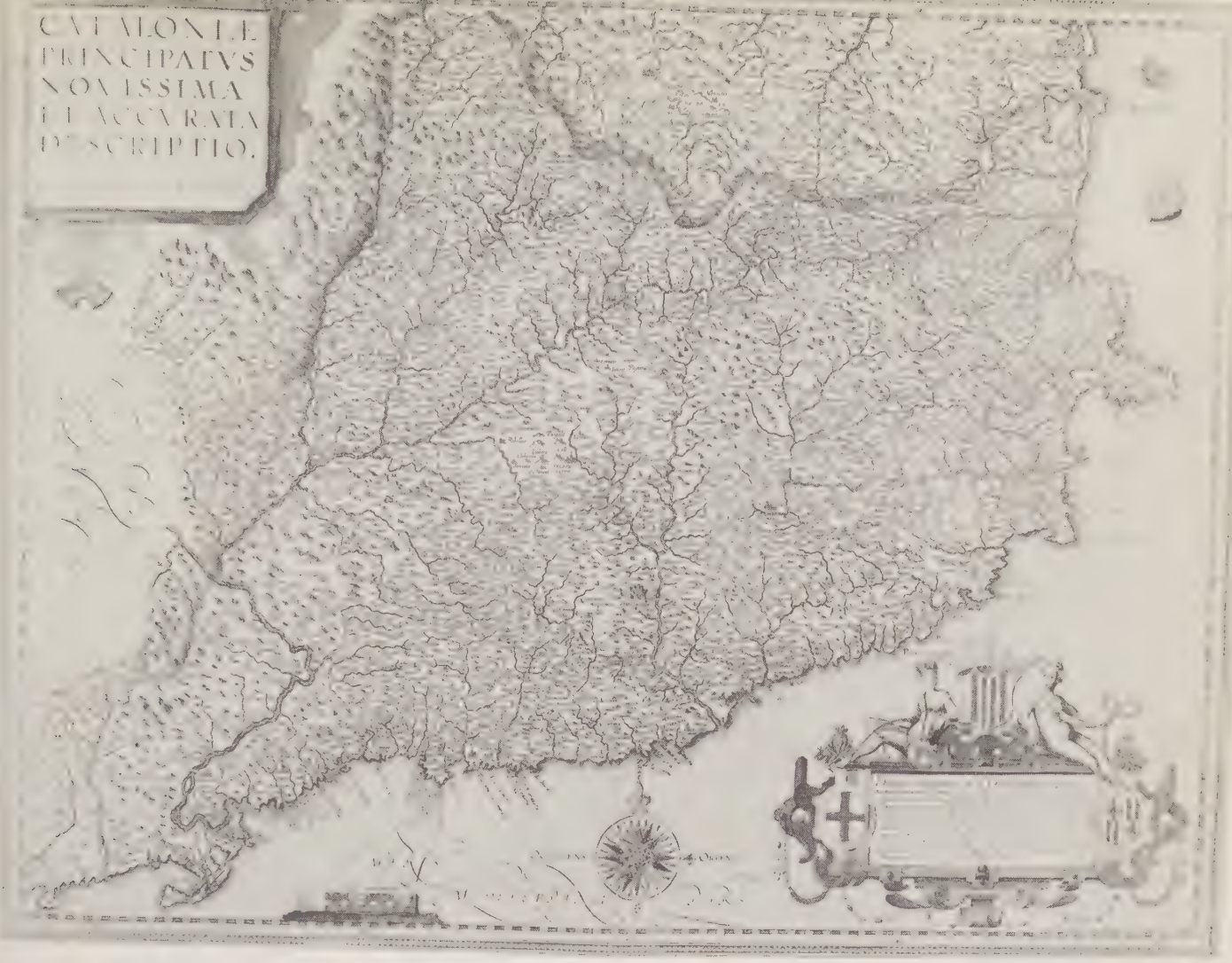
Early maps of Catalonia like this one by Abraham Ortelius dated 1601-12 show the Val d'Aran as being in Spain which is correct.

(Bottom right)

A section of Nicolas Sanson's map of Aragon, Catalonia and Valencia dated 1653 which appears to be the first map to feature the mistake of showing the Val d'Aran in France. Could it have been that the surveyors overlooked this part of the country?



CATALONIE
PRINCIPATVS
NOVISSIMA
ET ACCURATA
DESCRPTIO.





Maps continued to appear with Val d'Aran in France long after correct ones had also been published. This map of Catalonia by J.C. Lotter dated 1760 is a typical example.

taken into Catalonia by Alfons II of Aragon and I of Catalonia. This was at the wish of and for the protection of the inhabitants. In the Albigensian crusade the kings of Aragon lost their Occitan possessions and a few years later in 1265 the people of Aran again chose to remain under Catalonia by a special petition. The valley was held by France from 1283 to 1313 when it was given back to the kings of Aragon and Catalonia. It was again invaded by France in 1410 but not kept and there were two further unsuccessful attempts in 1470 and 1473.

The French captured Aran in 1643/4 during the Rebellion of Catalonia and war against Spain, but after the pacification of Catalonia it reverted to Spain. The possession of Aran was not discussed in the Treaty of the Pyrenees in 1659 but Juli Soler i Santaló in his book *La Vall d'Aran* says that the French historians have never forgiven the Archbishop of Toulouse, Pierre de Marca, for having omitted it in this treaty. In spite of forming part of the Spanish state, Aran was in the ecclesiastical diocese of Comminges until 1804.

My wife and I collect old maps of Catalonia and we noticed that on one which we had the Val d'Aran was shown as being in France. We examined our other maps and any other reproductions we could find and the result was that most early and late maps have the valley correctly placed in Spain but for about forty years it was incorrectly shown as being in France. The British Library were not aware of this nor the Bibliothèque Nationale in Paris who kindly initiated some research which confirmed our observations. The error was apparently started by Nicolas Sanson who shows the valley as being in France on a map of Aragon, Catalonia and Valencia dated 1653 and again on a map of Catalonia dated 1660.

Other cartographers and publishers followed Sanson's error, some for over fifty years. The mistake was corrected by Nicholas de Fer in 1694 in his map 'Les Frontieres de France et d'Espagne. Tant deca que de la les Monts Pyrenees.' It is marked 'Valle d'Aran au Roi d'Es' and 'Source de la Garonne dans les terre d'Espagne.'

It appears to us rather surprising that a cartographer so eminent as Sanson should make such a mistake with a frontier of his own country and not at all inaccessible. It is tempting, particularly in the light of the history of the area to think that some political motive was the reason but we have been unable to prove this.

Some of the maps showing the Val d'Aran in Spain are Abraham Ortelius, 1601-1612, 'Catalonia'; G. Mercator and H. Hondius 1632, 'Catalonia'; G. Mercator and Pieter van den Keere, 1632, 'Catalonia'; Willem Blaeu, 1635-1662, 'Catalonia'; W. & J. Blaeu, 1650, 'Aragon.' Later maps showing the valley in Spain are Nicholas de Fer, 1694, 'Catalonia'; The Abbe Baudrant, 1695, 'La Principauté de Catalogne et le Comté de Roussillon; (Engineer Captains) Roussel and La Blottière, 1716/20, 'Carte générale des Monts Pyrénées'; J. B. Bourguignon d'Anville, 1719, 'Royaume d'Arragon'; 'Théâtre de la guerre d'Espagne'; Robert de Vaugondy, 1752, 'Arragon, Navarre and Catalonia.'

Some of the maps showing the Val d'Aran in France are, Nicolas Sanson, 1660, 'Catalonia'; Nicolas Sanson, 1653, 'Aragon, Catalonia and Valencia'; F. de Wit, c 1680, 'Catalonia'; J. Ottens, c 1680, 'Navarre, Aragon and Catalonia'; Nicholas Vischer, 1695, 'Catalonia'; Nicolas Sanson (H. Jaillot), 1695, 'Catalonia'; C. Allard, 1703, 'Catalonia'; Gerard Valk, 1704, 'Carte d'Espagne'; N. der Fer, 1705, 'Catalonia'; J. C. Lotter, 1760 'Catalonia.'

Collectors' Barometer

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Compiled by John Goss and Tessa Campbell

LOT DESCRIPTIONS for all maps and atlases realising over £1000 in auction (or its equivalent) are reproduced here in full. The report includes not only conventional atlases but also books whose importance is governed almost entirely by the maps they contain rather than their other contents. The prices are 'hammer' prices to which must be added the buyer's premium where applicable. Each lot is numbered for quotation purposes. These reference numbers are also used below in the cumulative index to the auction reports in the last four issues. Although auction results are helpful in forming judgements on general price trends over a period, it can be very misleading to base any conclusion on the price realised for an individual lot. Prices for similar items can vary from auction to auction depending on the circumstances of the particular auction and the condition of the item offered for sale. Condition is very important and, however well described, can only be judged by personal examination. The total lot numbers noted at the foot of each auction report are for all maps and atlases sold at that auction including lots which realized less than £1000. Every effort is made to report all major auctions of maps and atlases throughout the world as soon as possible, but occasional delays may occur in obtaining information and some reports may have to be carried over to subsequent issues.

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1 – Mercator, G. u. H. Hondius. Atlas sive Cosmographicae Meditationes de Fabrica Mundi et Fabricati Figura. Denuo auctus. Editio quinta. Amst., Hondius, 1623. Gr-Fol. Mit Kupfertit., dplblgr. gest. Portr., 4 gest. Zwischentit. u. 154 (st. 156, 1 blgr.) dplblgr. Kupferkarten. Pgt. d. Zt. mit Rücken- u. Deckelverg. (Bindebänder fehlen). (30.000,-) Koeman II, Me 27A. – Eine der umfangreichsten Ausgaben dieses großen Atlantenwerkes in einem nahezu vollständigen Expl. Die breitrandigen Karten überwiegend in kraftigen Abdrucken. Vorliegendes Expl. stimmt in der Kollation vollkommen mit Koeman überein. Enthält: 1 Weltkarte, vier Erdteilkarten, Großbritannien (18), Dänemark u. Nordseegebiet (5), Iberische Halbinsel (9), Frankreich (17 st. 19), Schweiz (5), Benelux (11), Elsaß (2), Deutschland (23), Italien (15), 5 Karten afrikan. Länder, 5 Karten aus Amerika, je eine Karte von Rußland, Böhmen, Mähren, Polen, Ungarn, Steiermark, Türkei, Palästina, Persien, Japan, je 2 Karten von Österreich u. Indien u.v.a. – Durchgehend leicht gebräunt u. meist etwas stockfleckig. Im Rand stellenweise leicht wasserfleckig. Ohne die Karten d. Provence u. der Picardie. Folgende Karten, nach Koeman-Nrn. geordnet, mit mehr od. weniger gr. Einrissen meist im Bug unten, oft in das Bild reichend, jedoch ohne Bildverlust: 1, 2, 4, 6-8, 14, 18, 19, 31, 37, 38, 44, 46, 56, 63, 64, 67-69, 71, 83, 86, 90, 91, 93, 95, 96, 106, 123, 143 u. 154. Kte. 2 (Europa) mit größ. Riß im Bild. Kte. 43 (Regni Valentiae) mit kl. Riß im Bild. Von Kte. 67 die rechte Hälfte lose, von Kte. 68 die linke Hälfte lose. Beide Ktn. ausgefranst. Kte. 76 u. 108 mit roten Farbstiftanszeichnungen. Wenige Ktn. im Bug etwas knitterfältig. Bl. A¹ u. A² lose u. ausgefranst. Bl. B¹ beschäd. Titlei einschl. dplblgr. Portr. knitterfältig. Einbnd. fleckig. Unteres Kapital beschäd. Ecken u. Kanten bestoßen.

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Schr schöner u. ausgezeichnet erhaltener Atlas mit d. Ktn. in interessanter Orig.-Zusammenstellung. rücks. v. alter Hd. mit Tinte durchnummeriert. Flächenkolor. d. Zt., die Randans., Kartuschen u. Staffagen meist un kolor. Umgebräunt u. nahezu fleckenfrei. Enth. im Einzelnen: Weltkte. in 2 Hemisphären mit 2 kl. Sternktn., unten Darst. v. Naturersch. u. ausführl. latein. Legende; Europa; Asien; Afrika; Amerika; Großbritannien; England; London u. Umgeb., mit 5 Ans. v. Vororten; Ldn. Stadtplan mit prachtvoller Ansicht v. Süden; Schottld.; Irland; Portugal mit Nebenkte. brasilian. Küste; Iber. Halbinsel mit nordafri. Küste; Madrid Stadtplan m. 4 Detailans. ; Gibraltar mit 4 Nebenktn. u. 3 Randans.; Holland mit Nebenktn. Sudostasien u. nordamerik. Ostküste; Amsterd. Stadtplan mit Ans. u. Schiffstaffage; Batavia; Wasser-Flut in Nieder-Deutschld. (holland. u. niedersachs. Küste mit Nebenkte. Nordholland); Ostfriesland mit kl. Nebenkte. Dollart u. kl. Grundrissen v. Emden u. Aurich; Skandinav. u. NW-Rußld.; Stockholm (kolor. Gesamts. u. 12 kolor. Detailans.); Kopenhagen mit Öresund (Kte., kolor. Gesamts. u. 4 Detailans.); Frankr.; Paris Stadtplan mit gr. Ans.; Bourgogne; Brabant; Lothringen; Hydrographia Germaniae; Mosellaut; Elsaß; Rheinfl.; Oberrhein; Niederrhein; Westphalen; Köln/Julich/Berg; Frankfurt/M. mit Umgeb. u. schöner Ans.; 2 Detailans., prachscht. Staffage; Niederhessen; Wetterau mit kl. Ans. Langenschwalbach; Thüringen; Franken auf 2 Doppelbll.; Nürnberg u. Umgeb. mit kolor. Gesamts.; Württembg. v. Joh. Majer auf 2 Doppelbll mit kl. Ans. v. Stgt. u. Tüb. u. 2 Randleisten mit 76 Ortswappen; Holstein; Hambg. u. Umgeb. mit gr. kolor. Gesamts. (siehe Abb. rechts); Lunenburg/Dannenberg; Bremervörde; Lauenburg mit Nebenkte. Hadeln; Braunschwg.; Magdebg. mit mittlerr. Ans.; Mecklenbg.; Brandenbg./Pommern; Pommern; Ostpr.; Obersachsen; Niedersachsen; Lausitz; Breisgau; Böhmen; Schlesien; Mähren in 9 Tln. nach d. Muller'schen Kte. mit 6 bes. prachtvollen Kartuschen (Jagd, Fruchtbark., Flüsse, Fischfang etc.). Steiermk. mit kl. Ans. v. Graz; Karnten mit gr. Ans. v.

58

Klagenft.; Krain; Tirol; Schweiz; Bayern; Oberpf.; Ober- u. Niederbayern mit Nebenkte. Innnviertel; Niederbayern; Erzbistum Salzbg. mit 2 prachtv. Kartuschen; Baden-Württembg.; Umgeb. v. Ulm mit Nebenkte. Wain; Europa Austria; Dt. Reich Postkte.; Germania Austr.; Oberöstrerr.; Niederöstrerr.; Donaulauf Gesamtkte. sowie auf 3 Doppelbll. verteilt; Ungarn; Transsylv.; Ungar. Kriegs-Theatrum; Türkisches Reich; Konstantinopel u. Umgeb. mit gr. Gesamts.; Palästina; Persien; Ägypten; Marocco; Oran; Neu-England (siehe Abb. S. 243); Mittelamerika; Orlog od. Kriegs-Schiff; Polen/Lit.; Danzig u. Umgeb. in Rotbraun gedr. u. un kolor. mit Gesamts. u. 2 allegor. Darst.; Russ. Reich; Ukraine; St. Petersburg.; Dtdl. Religionskte.; Ital.; Rom Plan; Südtal.; Neapel gr. kolor. Gesamts. mit 8 unkol. Detailans.; Sizil./Sardin.; Korsika; Malta/Goza; Kreta; Genua mit gr. kolor. Gesamts.; Savoyen/Piemont/Monserrat; Venedig; Parma mit Grundrissen u. Jagdkartusche; Florenz Stadtplan mit gr. Ans.; Meilen-Zeiger; Geogr. Universal-Zeig u. Schlag-Uhr. Bis auf 25 Karten alle mit un kolor., oft größeren, meist figürl. Kartuschen. Vorgebnd. e. aufgezog. Drucktitel zu Hübners »Atlas scholasticus« mit mont. Vign. Ca. 10 Ktn. etw. flau im Druck, tils. nur d. Kartusche beintr., sonst durchwegs sehr gute Abdrucke. Bei d. Welt- u. Europakte. unt. Drittel d. Bugs gerissen u. mit Pergaminpap. geklebt. Madrid mit hinterl. Einrissen. Brabant eine Ecke außerh. d. Platte abgeschn. 3 Osteuropakn. i. Bug eingerissen. Le. Doppelbl. (Schlag-Uhr) mit etw. größeren, hinterl. Löchern. 5 weitere Ktn. mit unbedeut., meist hinterl. Randeinrissen; keine sonstigen Einzelschäden. Die ersten 30 Ktn. im Schnitt oben mit Brandloch (bis zu 2 cm tief, jedoch nie in d. Darst. hineinreichend). Die ersten 5 u. d. le. 4 Ktn. wurden neu angefalzt. Durch d. Verstärkung d. Fälze wurde das Papier dieser Karten in d. Umgeb. d. Büge etw. unflexibel.

DM 38.000

3 – Mercator, G. u. H. Hondius. Atlas sive cosmographicae meditationes de fabrica mundi et fabricati figura. Denuo auctus. Ed. quarta. Amst., Hondius, 1619. Gr-Fol. Mit kolor. Kupfertit., dplblgr. kolor. Porträt, 3 kolor. gest. Zw.-Tit. u. 156 (155 dplblgr.) kolor. Kupferkarten. Ldr. Ende d. 17. Jhdts. mit Rverg. (60.000,-) Koeman II, Me 26B. – Dritte französ. Ausgabe mit latein. Titel, gegenüber d. Ausg. v. 1613 um 6 Frankreich-Ktn. vermehrt. – Enth.: Weltkte., Europa (2), Afrika (2), Asien (2), Amerika (2), Nordpol, Island, Großbritannien u. Irland (17), Skandinavien (5), Osteuropa (5), Spanien u. Portugal (9), Frankr. (21), Schweiz (5), Benelux (13), Deutschland (21), Böhmen/Mähren (2), Österr. (3), Italien (15), Südosteuropa (9), Afrika (4), Asien (11), Amerika (5). Die vier Erdteilktn. liegen jeweils in der Mercator'schen Fassung v. 1595 (am Anf. des Bdes.) u. in d. Hondius'schen Fassg. v. 1606 (am Anf. d. entspr. Abschnitte) vor. Completes Expl. einschl. sämtl. Textbll. u. mit d. prachtvollen Porträt-Tafel v. Mercator u. Hondius mit Staffage aus ihrer verlegerischen Tätigkeit. Nur vereinzelt dem Alter entspr. etw. gebräunt. Zw.-Tit. Benelux verbdn. Tit. angeränd. Europa u. Isle de France mit Riß im Bug. Gesamtkte. Frankr. knitterfältig. Seeland mit gr. hinterl. Einriß. Ca. 5 Ktn. mit hinterl. Randeinrissen. Folgende 14 Ktn. mit durchgehenden Knickfalten (gemäß Koemans Durchnummerierung v. Me 26A, nach der unser Expl. collationiert): 3, 7, 9, 12, 16, 56, 95, 128, 138, 141, 143, 144, 152, 154.

DM 45.000

4 – WELTKARTEN. Typvs orbis terrarvm (Weltkarte) u. die 4 Erdteile (Afrika, Amerika, Asien, Europa). 5 Ktn. Antw., Ortelius, 1592. Kolor. (14.000,-) Einschl. der schönen, reich verzierten Kartuschen in sehr schönem Altkolorit. – Karte v. Afrika unt. nur leicht fleckig. Amerika u. Asien im Bug unt. bzw. ob. mit sorgfältig geklebtem kl. Einriß. Die übrigen Ktn. im Bug hinterlegt u. Einrisse geschickt restauriert. Weltkarte mit Leimspur.

DM 7.000

5 – Die Fr. Grafschaft Tirol. 12teil. Kupferst.-Kte. v. Matth. Burgklehner, 1629. Gesamtr.: 178:174 cm. (5000,-) Bagrow/Skelton S. 473. – Prachtvolle, detaillierte Karte, 1611 erschien bereits eine Ausgabe in 12 Holzschn. Umgeben v. Rahmenleiste mit Wappen, Ornamenten, Früchten etc. Im Bildteil unt. 2 gr. Kartuschen (Wappen v. Tirol sowie Portr. Leopold V. Erzherz. zu Österreich u. Claudia Medici mit deren Wappen im Mittelfeld). Reicht im N. bis Bayern, im S. bis Italien.

– Stellenw. etw. stockfleckig, versch. Randeinrisse hinterlegt. – DM 10.000

TOTAL MAPS AND ATLASES 395

SOTHEBY'S, NEW YORK. 2nd/3rd DECEMBER 1981 (PREMIUM 10%)

6 [BRIGGS, HENRY]. The North Part of America. [London, 1625] 11½ x 14 inches. Handcolored in outline; some discoloration, short split at fold. THE FIRST PRINTED MAP TO SHOW CALIFORNIA AS AN ISLAND. "The earliest map on which Hudson Bay is named, here applied to James Bay. Plymouth is located in New England; Boston does not appear. Hudson's River and James Citti are located. No definition of Great Lakes or of any part of the Mississippi River. Published in Samuel Purchas's Purchas his Pilgrimes to accompany Brigg's text 'A Treatise of the North-West Passage to the South Sea. . . .'" Schwartz and Ehrenberg. The Mapping of America, p. 101, Pl 56. The note on the map reads "California sometymes supposed to be a part of ye westerne continent, but scince by a Spanish Charte taken by ye Hollanders it is found to be a goodly islande . . ." See Henry R. Wagner, Cartography of the Northwest Coast, P. 114 for a discussion of the sources for Brigg's map

\$1980

7 JEFFERYS, THOMAS, and Others. The American Atlas: or, a Geographical Description of the Whole Continent of America. . . . London: Sayer and Bennett, 1776 Folio. 29 (of 30) folding engraved maps, most on multiple sheets, partially handcolored in outline, cartouches uncolored; slight occasional browning, minor tears to a few margins, new endpapers. Half morocco marbled boards; slightly rubbed, corners bumped. Considered one of the most authoritative and most comprehensive atlases covering the American revolutionary period. The atlas was the primary cartographic publication consulted by both contestants in planning strategy, and after the war it was valuable in settling boundary disputes. See Schwartz and Ehrenberg, The Mapping of America, pp. 202-203.

\$7425

8 [MIDDLE ATLANTIC REGION]. THEUNIS JACOBZ. LOOTSMAN. Pascaerte van Nieu Nederlandt, Virginies, Nieu Engelanten, Nova Francia, van C. of Faire tot C. Forchu. Amsterdam: J. and C. Lootsman, [c. 1681] 17 x 21 inches. Handcolored in outline, elaborate cartouche with a sailor holding lead and line, fully colored; overall browning, linen backed. The map shows Long Island as two pieces of land and designates the principal Dutch city as "Nieu Amsterdam ofte Manhaites." Coastal islands and inlets, bays, etc. are noted. Published in Nieuwe Water-Wereldt, 1681. See Koeman Jac 6: 35. An important early view of the Dutch settlements in the Mid-Atlantic region.

\$2200

9 VISSCHER, CLAES JANSZ. Novi Belgii Novaeque Angliae nec non partis Virginiae Tabula. . . . Amsterdam, [c. 1650 or later] 18½ x 22 inches. Handcolored in outline, inset view of New Amsterdam centered by two figures and surmounted by scroll and foliate cartouche, other decorative features including ships, fauna, etc. fully colored; matted, framed and glazed Similar to Blaeu's Nova Belgica et Anglia Nova, 1635, with new orientation and many of the same decorative elements (e.g. the bears, deer, villages, Indians in canoes, etc.) rearranged. Of particular note is the addition of the inset view of New York ("Nieuw Amsterdam") showing windmill, gallows, churches, etc. Map shows Fort Kasimier and omits Philadelphia, indication of second state: see Koeman, III, p. 176, Maps of C. J. Vischer. See I. N. Phelps Stokes, Iconography of Manhattan, Vol. I, p. 119 for discussion of prototype view.

\$2310

10 WYTFLIET, CORNELIUS VAN. Histoire Universelle des Indes, Orientales et Occidentales. Divisée en deux livres: le premier par Cornille Wytfliet: le second par Ant. M. [iginj] & autres historiens. *Douay: Francois Fabri, 1605.*

2 parts in 1 vol. folio. Engraved title and 14 (of 23) doublepage engraved maps: browning to text. two leaves of text with losses to margins lightly affecting text, titlepage restored and mounted to following leaf, slight worming. Old calf: worn
First French edition of Wytfliet's Descriptiois Ptolemaicae Augmentum, 1597. Part 1 is a free translation of Wytfliet's account of the history of the discovery, the geography, natural history and ethnology of the New World. The maps are like those in the 1597 edition; the text of the maps is not translated. Part 2 is a history of the discovery of the Indies and a description of separate islands, by Giovanni Antonio Magini and others. "The earliest distinctively American atlas. It is as important in the history of the early cartography of the new world, as Ptolemy's maps are in the study of the old." Phillips 1140 and 1143.

\$3080

TOTAL MAPS AND ATLASES 128

CHRISTIE'S (INTERNATIONAL) S.A., ROME. 4th and 7th DECEMBER (PREMIUM 14%)

11 PETRINI (PAOLO): ATLANTE PARTENOPEO
Raccolta di tavole geografiche degli autori più classici ed accurati, corrette e aumentate secondo le Relazioni più Moderne, folio g. ad album (cm. 46 x 65), leg. m. perg. con ang. moderna, 1 front. incollato su foglio di carta (*con brunitura al centro*), 6 cc. raffiguranti i Globi l'Europa, l'Africa, l'Asia, l'America (in due fogli da comporre), 12 cc. in tre gruppi di quattro per formare i continenti: Europa, Asia, America, 1 c. singola (su 4) dell'Africa, altre 26 carte geog. varie (*una mancante di un pezzo*). *Le carte sono colorite ai confini con macchie d'umido e bruniture, strappi e restauri in alcune, Napoli, Stamp. S. Biagio dei librai, 1700. Lotto non soggetto a restituzione.*

L. 3.800.000

12 SEUTTER (MATTAE0): ATLAS NOVUS SIVE TABULAE GEOGRAPHICAE totius Orbis Faciem Partes Imperia. Regna et Provincias exhibentes excelsissima cura . . . folio g., p.p. con imp. ai p. e al d. (*ottocentesca*). 1front. inc. e colorato (foderato), 2 cc.nn. di testo, e 41 (su 50) doppie carte geog. inc. e col. e 3 doppie carte inc. e col. sur corso del Reno, (*strappi al margine con perdita di inc. ad una carta*). S.L. né data di stampa (Vienna, 1738?) *Lotto non soggetto a restituzione*

L. 3.200.000

TOTAL MAPS AND ATLASES 8

JOCHEN GRANIER, BIELEFELD, 5th DECEMBER 1981 (PREMIUM 15%)

13 Nova totius terrarum orbis geographica ac hydrographica tabula. *Weltkarte und die vier Erdteile*. 5 Bll. Kupferstichkarten v. V. Blauw um 1650. Qu.-Folio. (25) (5.000.-)
Die Weltkarte umgeben mit 4, die Erdteilkarten mit je 3 Bildleisten. Bei der Weltkarte mit Sternbildern, Jahreszeiten, Elementen, Weltwundern – b.d. Erdteilkarten mit Stadtsichten und Trachtendarstellungen. – Die Weltkarte mit einem Braunfleck, Europa mit Bugeinr. bis z. Plattenrand, vereinzelt Kantenläsuren und gering gebräunt, sonst gut erhalten, rückseitig mit deutschem Text. – Seltene Folge, der wohl schönsten Welt- u. Erdteilkarten des 17. Jahrh.

DM 8600

TOTAL MAPS AND ATLASES 65

A. L. VAN GENDT & CO., B.V. AMSTERDAM. 15-16th DECEMBER 1981 (PREMIUM 20%)

14 ORTELIUS, A., Theatrum Orbis Terrarum. Antwerp, Aeg. Radaeus, 1575. With splendid engraved title, with allegorical representations of Europe, Asia, Africa, America & Magellanica and 70 double-page engr. plates, containing altogether 96 maps, in all very good, strictly contemporary handcolouring. Red morocco of ca. 1600 (worn & dam.), e.g., folio. (30.000)
= Koeman, Ort. 13. This is the 5th Latin edition of this famous atlas, "the world's first regularly produced atlas" (Koeman). The fine, decorative maps are embellished with typical renaissance cartouches, ships, seamounts and the like, all maps have a descriptive text on recto. The work is complete with the text, including the interesting "Catalogus auctorum tabularum geographicarum," a list of map-authors, containing 103 names.

140.000

TOTAL MAPS AND ATLASES 45

SOTHEBY PARKE BERNET MONACO S.A. 10th FEBRUARY 1982 (PREMIUM 11%)

15 SANSON (NICOLAS) ATLAS NOVUM AD USUM SERENISSIMI BURGUNDIAE DUCIS. *titre gravé et 62 cartes à double page coloriées, veau jaspé, dos orné, usagé (Reliure de*

l'époque). in-folio Amsterdam, Pierre Mortier, [c. 1692]
FF 32.190

TOTAL MAPS AND ATLASES 4

SOTHEBY'S, 8th and 9th MARCH 1982 (PREMIUM 10% INCLUDED)

16 ANVILLE (J. B. B.)d' NOUVELLE ATLAS DE LA CHINE, title printed in red and black (embodying contents list), 42 engraved maps (3 folding general maps, 9 double-page maps, 30 full-page), the folding maps hand-coloured in outline, the first with large pictorial title-vignette, other maps with historiated and other title-cartouches, small tear in fold of first map, contemporary mottled calf, gilt spine, rubbed

large folio (520mm. by 380mm.) The Hague, 1737
£1540

17 ARROWSMITH (J.) THE LONDON ATLAS OF UNIVERSAL GEOGRAPHY. engraved title and contents leaf, 65 engraved maps (50 called for in contents list), hand-coloured in outline, including 13 of the Americas and Canada (2 of Texas), the geological map fully coloured, thumb index, map of Switzerland torn in two, clean tear in centre fold of map of N. America, fore-margin of title and contents leaf frayed, original half gilt calf, covers detached, worn

large folio (550mm. by 350mm.) 1842
£1100

18 FRANCE – [CASSINI DE THURY (CÉSAR FRANÇOIS) CARTE DE FRANCE], 3 vol., containing 182 engraved sheets, remarkably detailed and nearly all double-page (a few full-page and two hinged to the large sheets), without the title and key map (see footnote), a few margins stained or repaired, one or two other stains, some sheets discoloured, manuscript additions in two margins, small stamp on verso of plates, eighteenth-century marbled boards, rebeked, old gilt spines preserved, rubbed [cf. NMM 222/223; Brunet I, 1602]

large folio (645mm. by 500mm.) [Paris, 1789]

* This, "the first complete geometric map of France," was made by C. F. Cassini de Thury (1714-1784) who lived to see the work almost completed. It was published by his son Jacques-Dominique, "Won universal acclaim and stands as a model to all later map-making by triangulation" [NMM 222].

Brunet mentions a map of the triangulation and two plans for assembling the map. These are not present here but probably coincide with the key map, which presumably incorporates the title.

£1155

19 POPPLE (HENRY) A MAP OF THE BRITISH EMPIRE IN AMERICA with the French and Spanish Settlements adjacent thereto, engraved map in 20 sheets, 15 double-page, fine pictorial title-vignette, armorial dedication-cartouche, inset views of Niagara Falls and Mexico city, compass rose, sailing ships and other features, 5 full-page containing 19 views (New York, Quebec, etc.), maps and harbour plans, tear in lower margin of 3 sheets affecting engraved surface, repair to blank outer corners and top margin of first sheet, some slight soiling at edges, wanting the key map, nineteenth-century blind-tooled panelled calf, morocco label, crack in one joint, rubbed

folio (520mm. by 370mm.) [1733]

£980

20 [ATLAS] – [Vancouver, (Capt. George) A Voyage of Discovery to the North Pacific Ocean], atlas vol. only, 16 charts and plates, comprising ten large folding charts and six plates of coastal profiles and views of the coasts of northwestern North America from the Aleutian Is. to California, plus part of Australia and New Zealand, and the Hawaiian Is, all uncoloured, some offsetting to charts and spotting to plates, minor marginal tears, modern half calf, cloth boards [cf. Streeter 3497, listing charts]

large folio (550mm. by 430mm.)

London, for G. G. and J. Robinson and

J. Edwards, May 1st 1798

£2860

21 BLAEU (J.) GROOTEN ATLAS . . . vol. IX, part 1, Asia, printed title with device, pictorial engraved title, 11 maps; part 2, China, pictorial engraved title, 17 maps, versos blank (China 16, Japan 1), in 1 vol., together 28 engraved maps, hand-coloured in outline, historiated and other cartouches, sailing ships and other decorative features, border of vignette views and costume figures on the map of Asia, and the engraved titles, all fully coloured, the latter heightened with gold, contents leaf at end, part 1 titles and first map a little creased, original vellum, panelled in gilt, g.e., slightly worn [cf. Koeman I, B1 57, pp. 244-245]

folio (550mm. by 350mm.) Amsterdam, 1664

£2750

22 BODENEHR (GABRIEL) ATLAS CURIEUX, engraved title, printed contents leaf, 102 engraved plates (4 folding), consisting of 99 maps, many hand-coloured in outline, some of European towns and surrounding country, and 3 tables (2 folding), coats of arms in side borders of some maps, plate 102 not called for in contents list, slight staining of some blank margins, original quarter parchment, paper boards, wanting spine, worn

oblong sm. folio Augsburg [c. 1704]

£1210

23 BOWEN (E.) THE LARGE ENGLISH ATLAS, title printed in red and black (embodying contents list), 47 engraved maps, hand-coloured in outline, vignette title-cartouches, armorial dedication-cartouches, various inset views, maps, plans, etc., map



of Lincolnshire torn, stain in margin of title and following map, stain on title-cartouche of Oxford, manuscript serial numbering on versos of top fore-corners, sometimes cropped in rebinding, on renewed guards throughout, in a few cases very slightly affecting engraved surface at centre fold, contemporary half calf, rebeked, one cover detached, worn

large folio (558mm. by 385mm.) [c. 1760, or later]
£2860

24 ORTELIUS (ABRAHAM) THEATRUM ORBIS TERRARUM. Koeman's issue with 170 names in the Catalogus Auctorum, with the Parergon and Nomenclator Ptolemaicus, 3 parts in 2 vol., architectural engraved title, portrait of Ortelius (B6 bound as frontispiece), and 148 double-page engraved plates (146 maps: 115 in the atlas, 31 in the Parergon, and plates "Tempe" and "Daphne" in the latter), COLOURED BY HAND THROUGHOUT, and some features heightened with gold, including title, portrait, architectural engraved title to the Parergon and device on title to the Nomenclator, latter dated 1595, the maps embellished with historiated and other cartouches, arms, animals, sea monsters, sailing ships, etc., complete, but 10 blanks bound between maps 10 and 11, repairs to centre fold of a number of maps, sometimes slightly affecting engraved surface, a few other repairs, plate "Tempe" torn and repaired, a few text headlines cropped on plate versos in the Parergon, some early ms marginalia, occasionally cropped, vol. 1 loose in binding, seventeenth-century mottled calf, old repairs, 3 covers detached, very worn [see Koeman Ori 29, 45, III pp. 56 and 70]

large folio (415mm. by 285mm.)

Antwerp, Plantin, n.d.-1595 (2)

An inscription in Latin on the verso of the portrait records that the book had belonged to Thomas Oliver, the noted physician and mathematician (d. 1624), whence it passed to his daughter "L.C." and by will to James Harvey, the writer of the inscription, in 1685.

£11000

25 PITT (MOSES) THE ENGLISH ATLAS, vols I-IV (all published), three engraved portraits (including Charles II vol. I), frontispiece in vol. IV, additional frontispiece in vol. II, dedications, list of subscribers in vol. I, 44 maps in vol. I, 45 in vol. II, 42 (of 43: lacks Danube folding map) in vol. III, 39 (of 40: lacks "Brabantiae III") in vol. IV, together 170 engraved maps (of 173 called for in NMM 3, pt. 1), the additional Laplander plate in vol. I defective, additional map 'Alsatia . . . Suintgoia et Brisgoia' in vol. II not called for in NMM, only the 44 maps in vol. I hand-coloured in outline, plus Danckerts' 'Saxoniae' (defective) inserted in vol. IV, some maps repaired, split centre-folds strengthened, especially in vol. II, eighteenth-century quarter calf marbled boards, four covers detached, one missing, joints weak [cf. NMM 410]

large folio Oxford, Printed at the Theatre for Moses Pitt,

1680, 1681, 1683, 1682

£6600

26 PTOLEMAEUS (CLAUDIUS) LA GEOGRAFIA, nuovamente tradotta di Greece in Italiano, da Girolamo Ruscelli, 3 parts in 1 vol., printer's woodcut device on 3 titles, 64 double-page engraved maps, text on verso, woodcut text diagrams, a few full-page, the Tavola de Nomi bound before the Discorso di Moletto and the 28 maps in part 1 bound after the Esposizione, immediately before the 36 maps in part 2, the first (hemisphere) map "Orbis Descriptio" misbound after map 27, stain in a few blank lower margins and on verso of map 13 part 2, occasional slight staining, eighteenth-century panelled calf, rebeked, a trifle rubbed, morocco label [Phillips 371; Sabn 66503]

4 to Venice, Vincenzo Valgrisi, 1561

£1210

27 BLAEU (J.) GROOTEN ATLAS . . . vol. IV, England, engraved title with printed label, 58 engraved maps (57 double-page, 1 full-page), hand-coloured in outline, historiated and other cartouches, coats of arms and other decorative features, and the engraved title, fully coloured, text engravings, a few hand-coloured, contents leaf at end, some leaves of text and a few maps discoloured, original vellum, panelled in gilt, g.e., slightly worn [cf. Koeman I, B1 57, pp. 236-237]

folio (550mm. by 350mm.) Amsterdam, 1648

£4400

28 BLAEU (J.) GROOTEN ATLAS . . . Vol. V, Scotland and Ireland, engraved title with printed label, 55 engraved maps (Scotland 49, Ireland 6), all double page except one full-page Irish map, and hand-coloured in outline, historiated and other cartouches, arms and other decorative features, and the engraved title, fully coloured, the latter heightened with gold, contents leaf at end, small slit in map of Knapdale, a few maps very slightly discoloured, minor worming in some blank margins, original

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vellum, in panelled gilt, g.e. slightly worn [cf. Koeman I, B1 57, pp. 237-239]

folio (550mm. by 355mm.) Amsterdam, 1662
£2090

29 DRAYTON (MICHAEL) POLY-OLBION: A chorographically description of. . . Great Britain, 2 parts in 1 vol., FIRST EDITION, third issue, engraved frontispiece, printed title to each part, portrait of Prince Henry, 30 double-page engraved maps (18 in part 1, 12 in part 2), embellished with allegorical figures, etc., with the leaf "Upon the Frontispiece," wanting the table (4 leaves), the portrait bound before and adhering to the first map, with small hole in latter, plate at p. 133 repaired without loss, minor repair to plate at p. 111, some dust-soiling of plate at p. 283 part 1, in part 2 small tear in plate 129, and plates at p. 115 and 151 separated at bottom of fold, some plate margins cut close, tear in X3 part 2 touching headline, eighteenth-century polished calf, gilt spine, morocco label, lower joint a little worn, [Pforzheimer 308, 309; STC 7228, 7230], bookplate of George Simon, 3rd Viscount Harcourt, the Nuneham Park copy (sale in our rooms 13 Dec. 1948, lot 97) folio 1622
£1760

30 [BLAEU (WILLEM AND JAN) THEATRUM ORBIS TERRARUM SIVE ATLAS NOVUS] vol. I (2 parts in one vol.), title of part 2 a printed overslip within hand-coloured engraved border, lacks title of part I but with the half-title (a title-page from vol. III of a Dutch edition loosely inserted), 120 engraved maps, all but one double-page (the other one in the text), several folding, all coloured by a contemporary hand, one (Lithuania) browned and slightly defective, fore-margins lightly dampstained at beginning and end, half title repaired, a few minor marginal repairs, original vellum, gilt, from the Blaeu workshop. ties, g.e. [Koeman I, pp. 125-128, Bl. 21A] folio [Amsterdam, 1640]
£8800

31 BLAEU (WILLEM AND JAN) THEATRUM ORBIS TERRARUM SIVE ATLAS NOVUS. Pars secunda, 2 parts in one vol., engraved titles with printed overslips and 91 double-page maps (of 92, lacks the map of Charlemagne's dominions), all coloured by a contemporary hand, short split in fold of America, wormhole in fore-margins of first few leaves just touches engraved border of title-page, a few very minor spots and stains, original vellum, gilt, from the Blaeu workshop, slightly rubbed, ties, g.e. [Koeman I, p. 135, Bl. 24B] folio Amsterdam, J. Blaeu, 1650
£4400

32 CELLARIUS (ANDREAS) HARMONIA MACROCOSMICA SEU ATLAS UNIVERSALIS ET NOVUS. FIRST EDITION, second issue, engraved frontispiece and 29 cosmographical double-page maps, all finely coloured by a contemporary hand, 3 maps repaired at lower margin with very little damage to engraved surface, one slightly defective at centre-fold, one with short tears and repairs. ff. (b) 1 & 2 torn across and repaired, light browning in the text, old library stamp removed from title-page, frontispiece repaired at lower forecorner, CONTEMPORARY RED ITALIAN MOROCCO, THE ARMS OF CLEMENT XIV on sides within 2 gilt borders, the inner one with infilled cornerpieces, rebacked with original spine preserved, g.e. folio Amsterdam, J. Jansson, 1661
£7150

33 CORONELLI (VINCENTO MARIA) PRIMA PARTE DELLO SPECCHIO DEL MARE nel quale si descrivono tutti li porti, spiagge, baie, isole, scogli and seccagni del Mediterraneo, printed title in red and black, engraved frontispiece finely coloured and heightened with gold and with arms at foot, 25 DOUBLE-PAGE ENGRAVED MAPS of the Mediterranean, all coloured by hand in outline, the first few just touched by worming, numerous wood-cuts of ports and coast-outlines in the text, all coloured by hand, without the 9 plates illustrating sun-dials and the large folding plate 'Jacht Reggio' at the end, top forecorners lightly waterstained throughout, contemporary vellum, gilt folio Venice, 1698
£7700

34 NEPTUNE FRANÇOIS (LE) OU ATLAS NOUVEAU DES CARTES MARINES levées et gravées par ordre exprès du roy pour l'usage des armées de mer . . . revue et mis en ordre par les Sieurs Pene, Cassini et autres, 3 parts in one vol. (including the 'Suite du Neptune Français'), 2 engraved frontispieces, the first by van Vranen and hand-coloured, the second by Romain de Hooghe, first 2 printed titles in red and black with engraved vignette, plate of scales, plate of winds, 19 plates of ships (one torn and repaired), 12 hand-coloured plates of flags and 72 engraved maps, several with inset views, all hand-coloured in outline, the great majority double-page and/or folding, without the engraved title 'Plan de plusieurs bâtimens de mer . . .', some browning, a few minor tears, mostly repaired, one or two margins frayed, contemporary calf, rebacked and repaired, worn large folio Paris, Hubert Jaillot, 1693 – Amsterdam, Pierre Mortier, 1700
£10450

35 COOK (Captain JAMES) [FIRST, SECOND AND THIRD VOYAGES], FIRST EDITIONS of the first and second, second edition of the third, 3 portraits and 200 engraved charts, maps and plates only, mostly folding, many double-page, slight browning, some stains, a few plates cropped, 1773-1777-1785; Kippis (A.) The life of Captain James Cook, portrait, slight browning, 1788, all contemporary calf, rubbed, covers detached, bookplate of Edward Ladd Betts 4to 1773-1788 (9)
£1430

36 SAINT-NON (L'abbé RICHARD DE) VOYAGE PITTORESQUE OU DESCRIPTION DES ROYAUMES DE

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folio Paris, 1781-86, n.d. (6)
£2970

37 AMERICA – Blaeu (W. [and J.]) Americæ nova tabula, engraved map of the Americas, hand-coloured in outline, including inset map of Greenland and Iceland, title-cartouche, sailing ships, sea monsters, 9 vignette city plans and views in border at top and 10 groups of native figures in borders at sides, all fully coloured, Dutch text on verso 408mm. by 552mm. [Amsterdam, c. 1663, or later]
£1210

38 WORLD MAP – Blaeu ([W.] and J.) Nova et accuratissima totius Terrarum Orbis tabula, engraved map of the hemispheres, hand-coloured in outline, the elongated title-cartouche and the large spaces between the hemispheres and the outer border entirely occupied by allegorical, celestial and terrestrial scenes fully coloured, Dutch text on verso, a little creased in centre fold 405mm. by 540mm. [Amsterdam, c. 1663, or later]
£1980

TOTAL MAPS AND ATLASES 420

CHRISTIE'S, LONDON, 2nd MARCH 1982 (PREMIUM 8%)

39 J. COVENS & C. MORTIER, PUBLISHERS

Mappe Monde, ou Globe Terrestre en deux Plans Hemisphères: L'Europe; L'Asie; L'Afrique; and L'Amérique coloured engravings, the set of five large scale maps, each on many joined sheets, published Amsterdam, circa 1705, with margins, L'Europe with several repaired tears and other defects and rather stained, L'Asie and L'Afrique with some surface indentation, L'Amérique with some repairs at the top corners, all with some other slight defects and stains, laid, framed averaging S. 1,130 × 1,400mm. (5)

£3200

TOTAL MAPS AND ATLASES 15

CHRISTIE'S, LONDON, 24th MARCH 1982 (PREMIUM 8%)

40 BLAEU (JOANNIS): THEATRUM CIVITATUM ET ADMIRANDORUM ITALIAE, civitates status ecclesiastici, 73 engraved plans and plates, some folding (lacking plate 59 'La Gran Cascata'); ANTIQUITATES ET ADMIRANDA URBIS ROMAE, 40 engraved plans and plates (as usual lacking plate 18); together 2 vols. (both lacking frontispieces; F1 and F2 in first vol. remargined at head), contemporary vellum gilt, roll tooled rectangular panels with corner ornaments enclosing gilt diamond-shaped stamp on sides [Koeman I, B1. 72 and 73], folio, Amsterdam, J. Blaeu, 1663. (2)

£5940

41 CAMOCIO (GIOVANNI FRANCESCO): ISOLE FAMOSE PORTI FORTEZZE E TERRE MARITIME sottoposte alla Ser. Sig. di Venetia . . . et al Sig. Turco, engraved title and 64 engraved maps and plans (lower outer corner of title and two maps repaired, one map with two central holes repaired, another with small marginal tear repaired), old boards (foot of spine repaired), oblong 8vo, Venice Libreria del segno di S. Marco [circa 1572]

VERY RARE series of maps and town plans illustrating the wars between Venice and the Turks drawn by Camocio, Bertelli, Forlani and other Italian cartographers. The Maritime Museum Catalogue (no. 35), calls for 86 maps and plans.

£1620

42 COOK (Capt. JAMES) & Capt. JAMES KING: A VOYAGE TO THE PACIFIC OCEAN, FIRST EDITION, 3 vols., 23 engraved maps and charts, some folding and ATLAS with 88 engraved maps, charts and plates, the plates after J. Webber (foremargins of atlas vol. dampstained), text bound in contemporary tree calf (rebekced) and atlas in green half morocco, 4to and folio, 1784 (4)

Bound in the atlas are duplicates of the 23 charts bound with the text and the additional 'Death of Captain Cook' plate engraved by Bartolozzi.

£1296

43 HORNIIUS (GEORG): ACCURATISSIMA ORBIS ANTIQUO delineatio sive geographis vetus, 49 engraved double-page maps (only, of 53), mounted on guards throughout (2 maps stained, 2 remargined and one slightly defective), old calf-backed boards (corners scuffed) [Koeman II, Ja4], folio, Amsterdam, J. Janssonius, 1654.

£1404

44 MERCATOR (GERARD) & JODOCUS HONDIUS: ATLAS sive Cosmographicae meditationes de fabrica mundi et fabricati figura, 5 parts in 2 vols., engraved general title in vol. 1 and 4 engraved part titles to France, Belgium, Germany and Italy in vol. II, 144 engraved maps, all except one, double-page, with title cartouches, compass roses, sailing ships, etc., mounted on guards (a few maps with small tears at central fold or in margins, occasional waterstains, some slight discolouration, outer margin of world map slightly shaved), old mottled calf (slightly worn, spines chipped) [Koeman II, Me 15], large 4to, Amsterdam, J. Hondius, 1606 (2)

The first Amsterdam edition

£4320

45 MERCATOR (GERARD) & JODOCUS HONDIUS: ATLAS MINOR, engraved allegorical title and 147 engraved maps, latin text on verso (small minor dampstain affecting lower outer corner of a few leaves, small central wormhole through first 533 leaves), old calf (upper cover detached), oblong 8vo [Koeman II, Me 194] Amsterdam, J. Jansson, 1628 Includes an extra map of Ceylon, not listed by Koeman. The first of a series of entirely new editions, the maps newly engraved by Van den Keere and A. Goos.

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£1728

TOTAL MAPS AND ATLASES 75

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£3600

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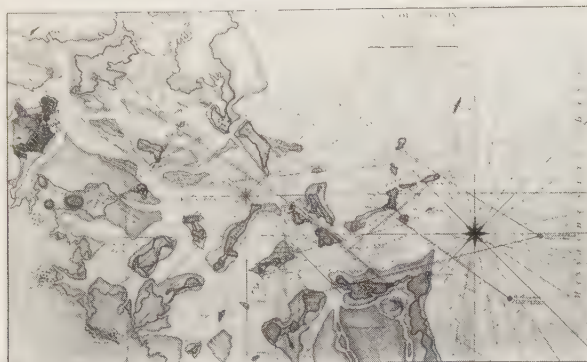
£430

51 LETH, H. DE, Nieuwe Geographische en Historische Atlas van de Zeven Vereenigde Nederlandsche Provincien. Amst., H. de Leth, n.d. (1766). With engr. title, 49 (of 50) maps in contemp. handcolouring or col. in outline & plain town plans, 2 hand-col. distance tables. Contemp. wrappers (sl. worn; some dam.), oblong large 8vo. – Koeman Le H. 3. – Lacks 1 map & leaf with the flags of the world. – Mediocre copy: somewhat waterst throughout; dog's ears, traces of use. (1000)

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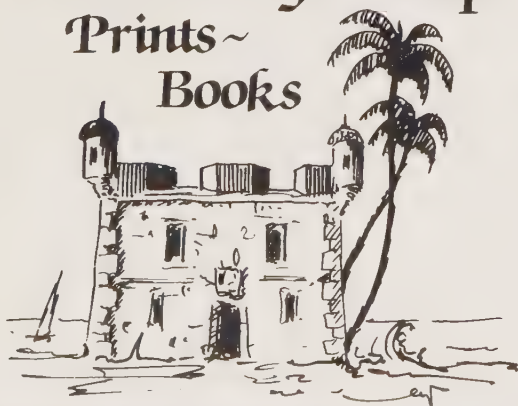
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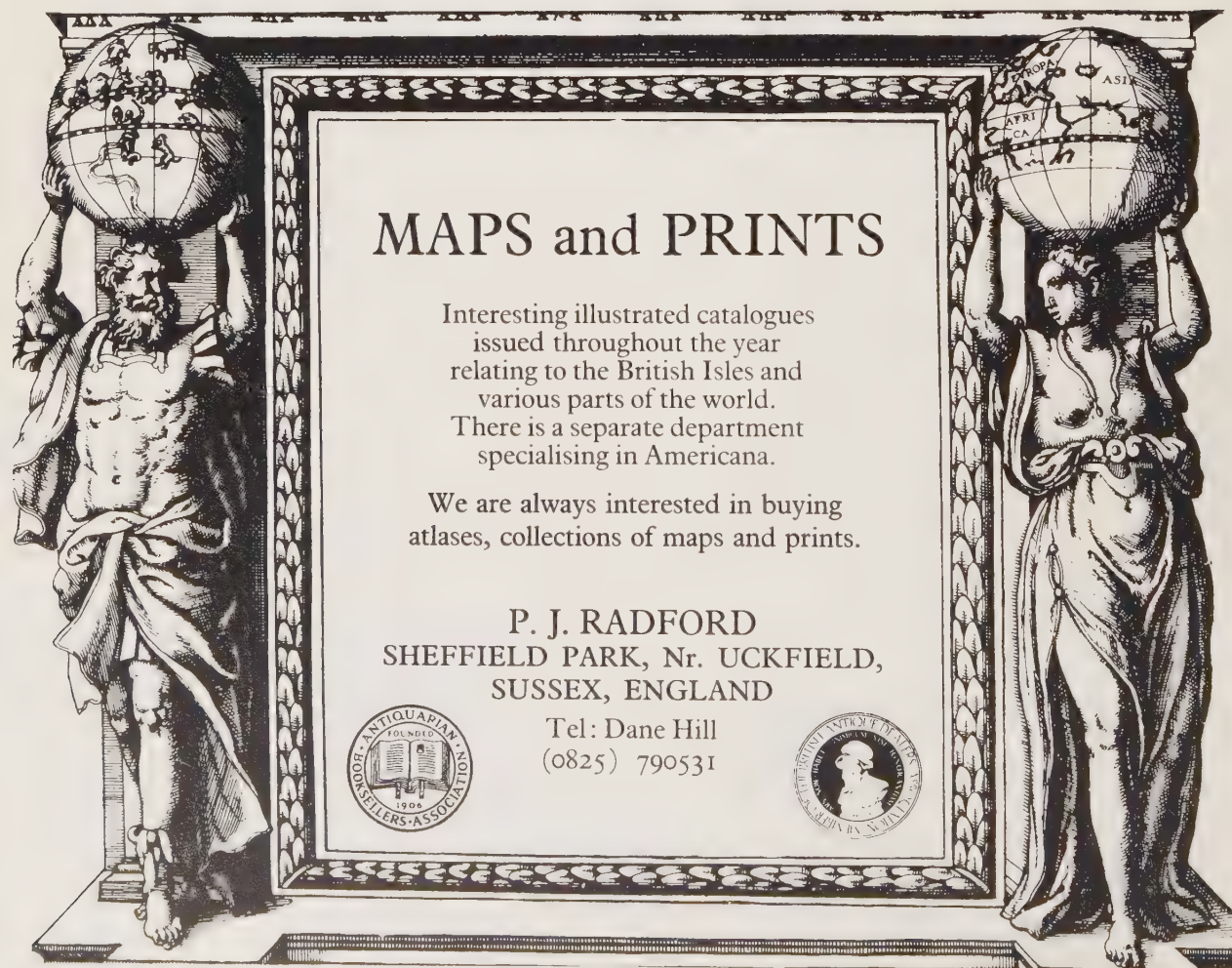
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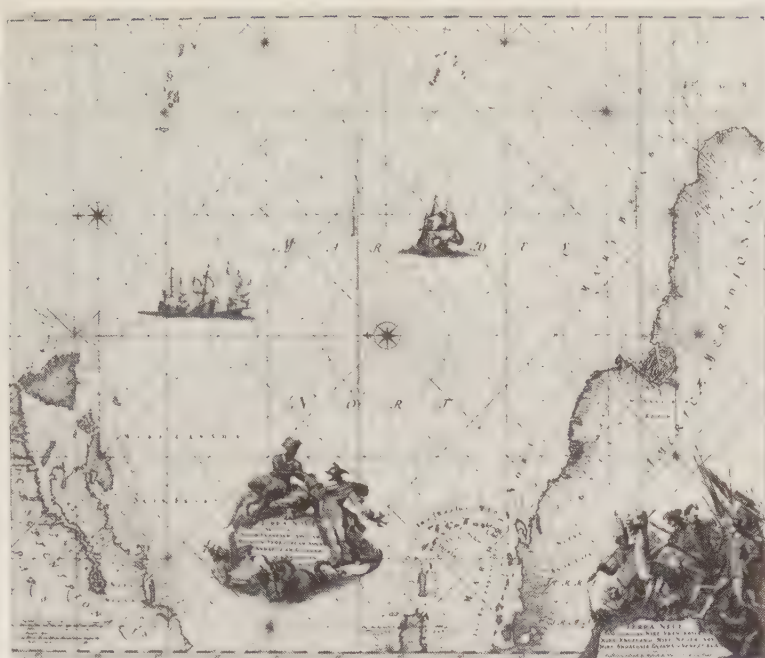
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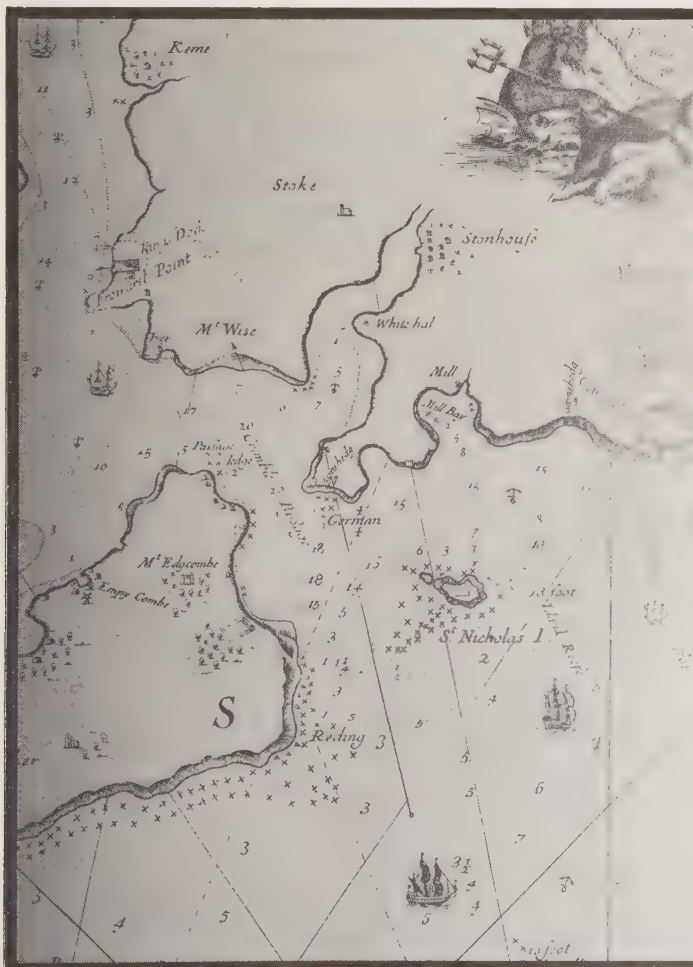
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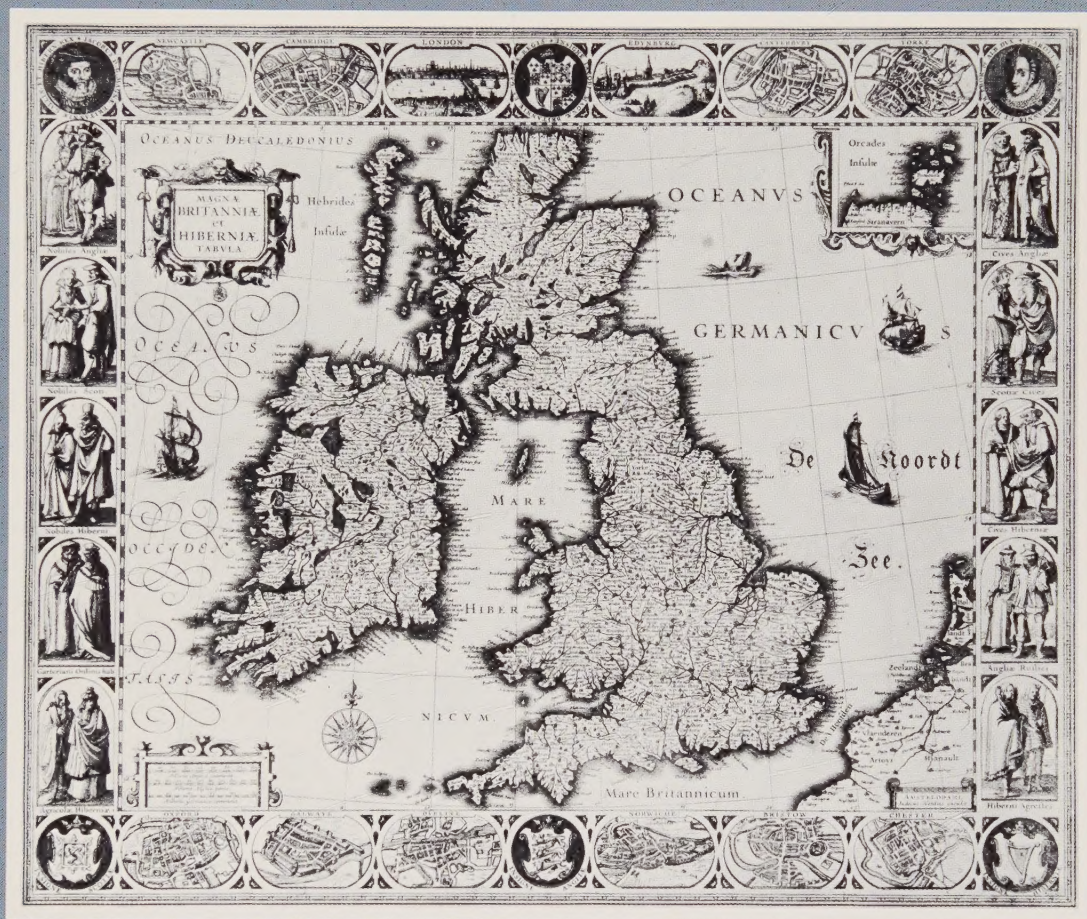
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