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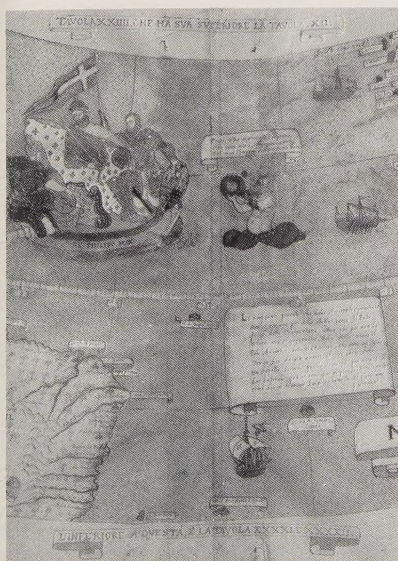
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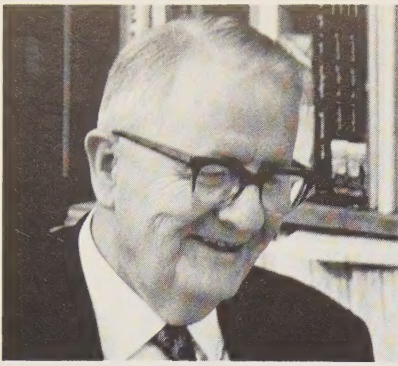
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Cover Illustration:

A section of one of the maps from Urbano Monti's manuscript wall map auctioned by Sotheby's in May. See p.18. (Photo by John Webb.)





RONALD VERE TOOLEY

Editorial

Here's a challenge to readers of 'The Map Collector' which I know they will find irresistible. Send us your favourite quotation which mentions the subject of maps and together we should be able to compile a comprehensive list. Don't forget to say where the quotation comes from and dates of the author where possible.

I have put together a few of my favourites to get you started.

So geographers, in Afric maps,
With savage pictures fill their gaps,
And o'er unhabitable downs
Place elephants for want of towns.

(Jonathan Swift)

'drawne by a naturall love of Pictures, Mappes, Prospective and Chorographical delights.'

(George Braun)

'Geographie is the Imitation or description of the face and picture of the earth' (Cunningham, Cosmographical Glass 1559)

'What greater pleasure can there now bee, than to view those elaborate maps of Ortelius Mercator' (Robert Burton, Anatomy of Melancholy 1621)

'Loveth to visit booksellers shops there to lye gaping on maps.'

(John Aubrey)

'mightily troubled and even in my sleep at my missing Speeds Chronicle and maps.'

(Samuel Pepys)

'Some to beautify their halls, parlours, chambers... liketh, loveth, getteth and useth maps charts and geographical globes.'

(John Dee)

Map me no Maps, Sir, My Head is a Map, a Map of the whole world.

(Henry Fielding, Rape upon Rape, 1730)

'He does smile his face into more lines than is in the new map with the augmentation of the Indies.' (W. Shakespeare, Twelfth Night Act III, Scene 2)

'Dusty maps of Mexico and soundings of the Bay of Panama.'

(Charles Lamb)

'a map is so dry a subject that opportunities for treating it as a picture should not be lost.'

(Rigobert Bonne)

The art of biography
Is different from geography
Geography is about Maps
But biography is about chaps. (Edmund C. Bentley, Biography for Beginners)

And finally, although not directly on the subject of maps, I couldn't resist this 'Antiquities are history defaced or some remnants of history which have casually escaped the shipwreck of time'

(Sir Francis Bacon)

The

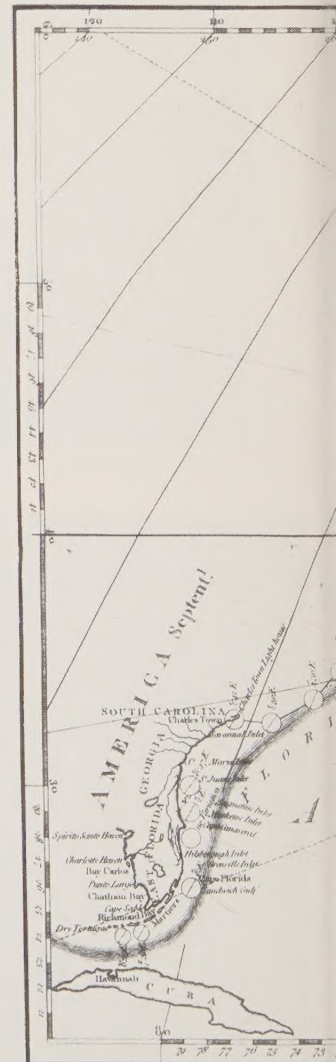
'There is a river in the ocean. In the severest droughts it never fails, and in the mightiest floods it never overflows. Its banks and its bottom are of cold water, while its current is of warm. The Gulf of Mexico is its fountain, and its mouth is in the Arctic Seas. It is the Gulf Stream. There is in the world no other such majestic flow of waters. Its current is more rapid than the Mississippi or the Amazon and its volume more than a thousand times greater.' (From The Physical Geography of the Sea by Matthew Fontaine Maury.)

THE VAST EXTENT and ever changing character of the Gulf Stream delayed its appearance on maps and charts for more than two centuries after Europeans encountered and began to muse about it. Early sea charts reveal far more about the arts and practices of navigation than they do about the charted seas.

It was not until Benjamin Franklin drew upon the collective experiences of the Nantucket whalers and De Brahm undertook personally to trace the course of the Gulf Stream from Florida to beyond the Newfoundland Banks that comprehensive cartographic depictions of the Gulf Stream were achieved. As imperfect as these were, they served as major cartographical breakthroughs which marked the beginning of efforts to understand this natural phenomenon.

In the words of Johann Georg Kohl, the mid-nineteenth century

The first published and widely distributed chart ever to show the Gulf Stream as a major named feature of the North Atlantic Ocean was this Hydrographical map by William de Brahm, Surveyor General for the Southern District of North America. It was included in *The Atlantic Pilot* dated 1772. Note the use of closely spaced lines to symbolise the Gulf Stream. (By courtesy of Louis De Vorsey).



Gulf Stream on Eighteenth Century Maps and Charts

by Louis De Vorsey, Jr. (University of Georgia)

collector and historian of cartography, the Gulf Stream is, 'a combination of very remarkable phenomena in the air and water ... the most important feature of the North Atlantic Ocean.' 'Since time immemorial'; he went on, 'it has exercised the greatest influence upon the climate, habitableness and settlement of all the large tracts of country surrounding this basin. It has been always the mainspring and Ruler of the system of navigation between Europe and North America. It might be termed the very backbone of the entire body of waters between the two continents.'

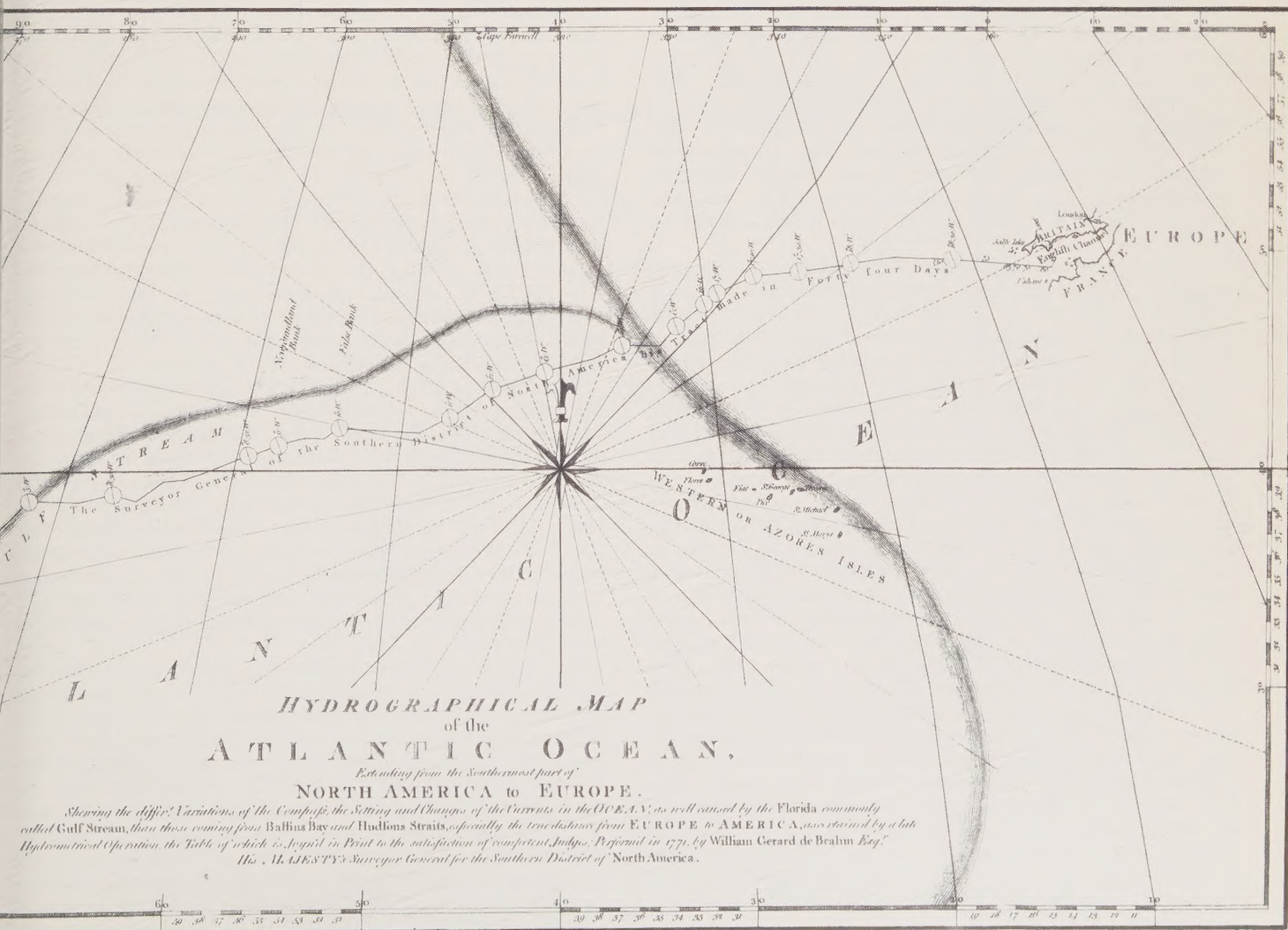
Although modern oceanographers have refined their definitions as to exactly what comprises the Gulf Stream, most would agree with his assessment of the current's historical significance. For example, the recent brochure published by the U.S. National Ocean Survey titled *The Gulf Stream* (1976), reads like an echo of Kohl's 1863 commentary: 'No other oceanic feature has had more impact on the United States and Western Europe than the Gulf Stream. Marine commerce, naval defence, the Atlantic fishing industry have all endeavoured to use this ocean current to their advantage since the days of early exploration.'

The first European to record his observations and experiences in the Gulf Stream was Juan Ponce de Leon who crossed the Bahama Channel and discovered the mainland of Florida in 1513, while on a slaving expedition to the Bahama Islands. Along the Florida coast, perhaps near Cape Canaveral, Ponce and his

expedition both saw and felt the swift northerly flow of the Gulf Stream's indigo blue waters. It was a current they could not stem 'although they had a good wind.' Two of the ships came to anchor and found the current to be so strong that it 'made tremble the cables with a vibrating motion.' A third ship, 'being a little more toward the sea could find no bottom [and] was carried away by the current and they lost sight of her though it was a clear and calm day.'

Not long after Ponce de Leon's explorations, Havana was founded on the north coast of Cuba and Spanish navigators began regularly to return home from Mexico and the Carribean by way of the swiftly flowing Gulf Stream north to the latitude of Cape Hatteras and then eastward under the prevailing westerlies. Many early maps acknowledge this by showing the 'track of the Flota' or treasure galleons.

Much farther to the north under the cloudy skies and stormy seas of the prevailing westerlies the visual distinctiveness and velocity of the Gulf Stream diminish and become less apparent as compared to conditions in the Bahama Channel. Here other less obvious clues persist to reveal the tropical waters which begin to bend away from the continent toward the east. In 1606, the French historian — voyager, Marc Lescarbot was sailing in these northern reaches of the current when he became aware of its subtle presence. Lescarbot wrote: 'I must remark on a thing which I have found admirable and which offers matter enough for a



philosopher to think about. For on the 18th of June 1606, in about 45° N.L. and at a distance of about 6 times 20 leagues East from Newfoundland banks we found for the space of 3 days the water very warm, whilst the air was cold as before. But on the 21st June quite suddenly we were surrounded by fogs and cold that we thought it to be in the month of January and the sea was extremely cold.'

These accounts from Ponce de Leon and Marc Lescarbot outline the obvious qualities of the Gulf Stream, its visual distinctiveness, velocity and temperature. In southern waters its warmth was understandably less obvious than its colour and speed of flow. In the north where it broadens and slows, cooler surrounding waters form striking thermal contrasts.

Bartholomew Gosnold drew attention to yet another Gulf Stream feature he encountered in 1602. He wrote of the following while on a voyage from England to New England: 'One hundred leagues West from the Azores, till we came to soundings continually passed fleeting by us Sea-oats, which seem to have their moveable course towards the North East, a matter to set some subtle invention at work for comprehending the true cause thereof.'

It would appear that the fleeting 'Sea-oats' which attracted Gosnold's interest became known as Gulf Weed later in the seventeenth century. The term adopted suggests that some 'subtle invention ... for comprehending the true cause' of their presence had been worked out which traced their origin back to the Gulf of Mexico.

In view of the early and continued awareness of the Gulf Stream's influence by generations of navigators it is surprising to find that the current remained almost unacknowledged on maps and charts until the late eighteenth century. In a few isolated instances charts suggested a limited knowledge of segments of the Gulf Stream but it was not until the pioneering syntheses accomplished by Benjamin Franklin and William De Brahm in the late 1760's and early 1770's that the current emerged as a major oceanic feature on the maps and charts of the eighteenth century.

Walter Hoxton's 'Map of the Bay of Chesepeack with the Rivers Potomack, Potapsc North East and part of Chester' which was sold by the London chart firm of Mount and Page as early as 1735, acknowledged the presence of the Gulf Stream off the coast of Maryland and Virginia but did not name or show the current in any way. In the sailing directions printed on the chart, navigators were informed of the distances out from the coastline at which they would encounter a north-east flowing current. They were also advised to mark it on their general charts by the informative Hoxton.

Perhaps the earliest chart to show a segment of the Gulf Stream, although still unnamed, is the chart attributed to an anonymous author identified only by the initials 'J.C.' This chart, titled 'A Chart of the Bahama Islands with a Description of the Gulf of Florida ...', was published in a book of sailing directions printed and sold by J. Applebee in London in 1739. It shows the unnamed Gulf Stream in the straits between Florida and the Bahamas by means of a chain of arrow symbols pointing in the direction of the current's flow. By 1750 other cartographers such as Bellin were also employing arrow symbols to suggest the presence and direction of the current in the Bahama Channel and elsewhere. In no case, however, was there any hint of a vigorous and continuous flow which could be used to assist Europe-bound voyages from the southernmost extremity of the Florida peninsula for thousands of miles to the central Atlantic east of the Newfoundland Banks.

It was not until 1771 that this fact was publicly announced to the seafaring and scientific worlds by William De Brahm in a letter to 'Mr Urban' which was published in *The Gentleman's Magazine*. De Brahm wrote: 'I ... have also traced the Florida, commonly called Gulf Stream, with all its windings from the Dry Tortugas, the westernmost of the Martiers [Florida Keys] along the Atlantic coast to the Newfoundland bank ... vessels bound from any part of America through the new Bahama channel to Europe, may take the benefit of that stream, which will not only guide them clear of all shoals projecting from the Capes on the coast of North America, but also accelerate their voyage in a near incredible measure ... As I am convinced of the utility my discovery affords the public, I would not lose a day to communicate it to your publication.'

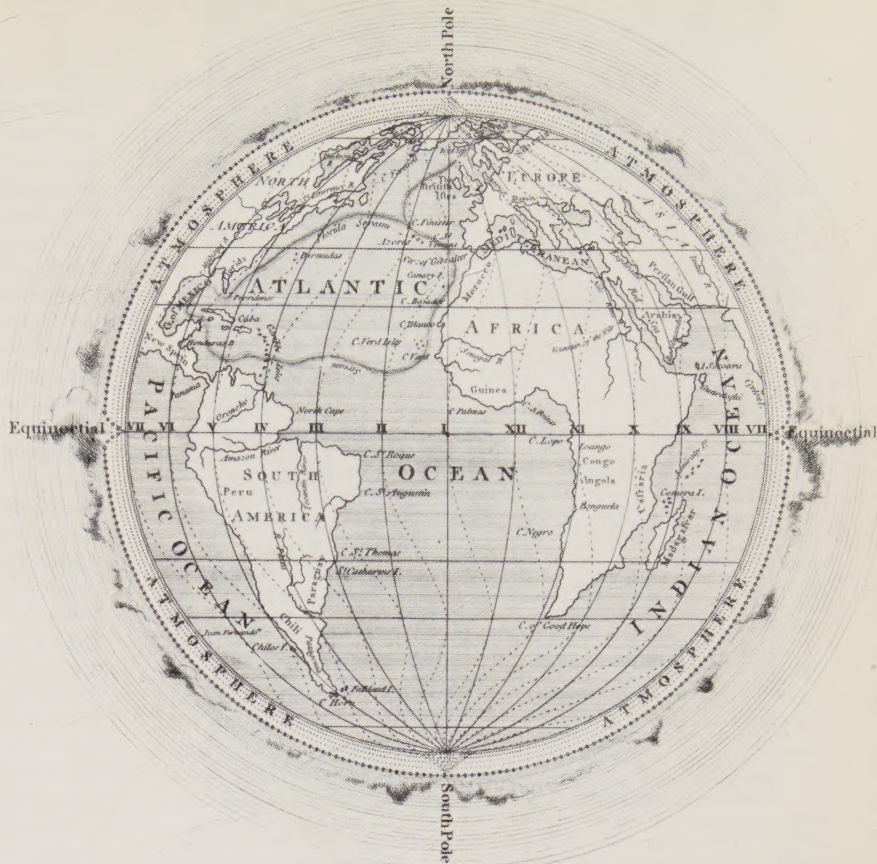
De Brahm was the German-born Surveyor General of the Southern District of North America and had been charting the coasts and inlets of East Florida for the five years preceding his 1771 voyage and *Gentleman's Magazine* announcement. He is best known to collectors as the author of the first scientifically prepared map of Georgia and South Carolina, published by Thomas Jefferys in 1757. From the outset of his surveying in Florida De Brahm showed a keen interest in the Gulf Stream's characteristics, causes and effects. Early in 1772 he made his full observations and knowledge of the current known through the publication of a book of sailing directions and innovative charts titled *The Atlantic Pilot*. Included with *The Atlantic Pilot* is the first published and widely distributed chart ever to show the Gulf Stream as a major named feature of the North Atlantic Ocean. It is titled 'Hydrographical Map of the Atlantic Ocean, Extending from the Southernmost part of North America to Europe,' and was engraved by P. Andrews. De Brahm shows the Gulf Stream as a constant width ribbon of fine closely spaced wavy lines which originate in the Gulf of Mexico at the chart's western margin. After paralleling the North American coast and veering off past the Newfoundland Bank, at a point between 40° and 35° East, the Gulf Stream joins an even broader but unnamed current shown flowing from beyond the vicinity of Cape Farewell toward the southeast. The combined current then swings past the Azores Islands and begins a gentle curve back toward the west before terminating at the chart's bottom margin. In the text of *The Atlantic Pilot* De Brahm leaves no doubt that he felt that there was a return of this flow to the Gulf of Mexico caused by the Trade Winds, although the published chart didn't show the completed gyre. The gyre is shown more fully on a manuscript version of the chart which may have served as the model for Andrews' engraving which was published. Although the manuscript chart is drawn on a very different projection, it bears a similar title and shows essentially similar material including the track made by the ship which carried De Brahm from South Carolina to England in 1771.

De Brahm used a wavy line ribbon symbol to show the Gulf Stream and other currents. This symbol differs radically from the one being used by Benjamin Franklin and Timothy Folger as they endeavoured to chart the same phenomenon during the few years preceding the appearance of De Brahm's *The Atlantic Pilot*. Franklin and Folger showed the Gulf Stream as an ever widening flow whereas De Brahm appears to show it as having a constant width until it unites with 'the Currents issuing out of St. Lawrence's Gulf, Baffin's Bay, and Hudson's Straits.' Although he never explicitly refers to the Gulf Stream's width it appears doubtful that he intended to imply that it was constant throughout its great length. Among other characteristics De Brahm described how the Gulf Stream was influenced by particular wind conditions. For example he pointed out that, 'east winds press the Florida stream home to the Atlantic coast, and confine it in a very narrow channel; at which times it runs like a torrent.'

De Brahm's next map to show the Gulf Stream appeared on the title page of a rare and little known book which he published in London in 1774. The book, titled *The Leveling Balance and Counterbalance*, dealt with his theories concerning the use of the mercury barometer as a height-finding instrument. The map shows the Atlantic basin from pole to pole. Clearly shown in the North Atlantic is his 'Florida Stream.' It is significant to note that the northern current on this map originates to the south east of Iceland whereas both of his earlier charts show this flow as issuing from somewhere to the west of Cape Farewell, Greenland. The now familiar ribbon of closely spaced lines remains as the current symbol, however.

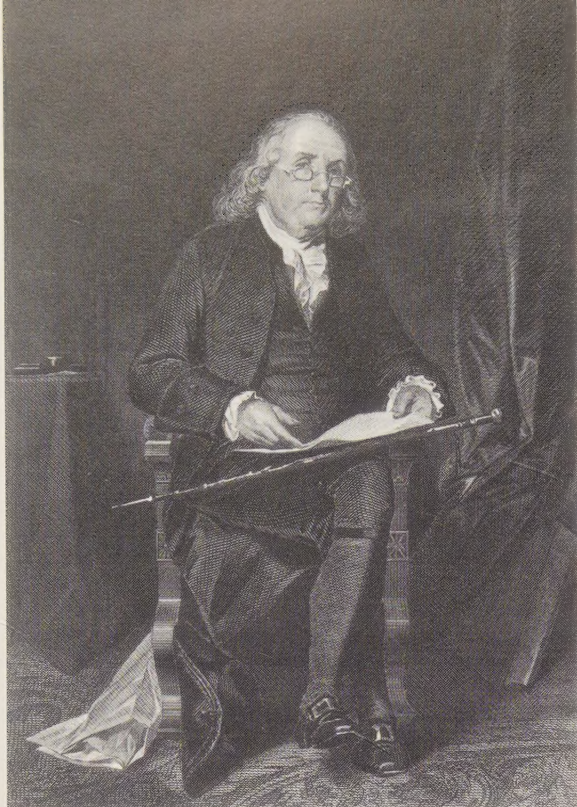
It is unfortunate that De Brahm's last and most comprehensive chart and description of the Gulf Stream and North Atlantic surface current system was never published. This chart, titled 'Chart of the Atlantic Ocean with its Currents and Eddies, also part of the No Variation Line laid down from Astronomical and Physical Observations of Longitude, Latitude and Magnetic Azimuth made on board His Majesty's armed ship the Cherokee ... 1775,' was drawn to accompany his manuscript treatise, 'Continuation of the Atlantic Pilot.' It is a cartographic statement of real significance in the history of Atlantic surface circulation research and charting. De Brahm prepared it and his treatise in Charleston after his return voyage to the American colonies in

William de Brahm described how the Gulf Stream was influenced by particular wind conditions. For example he pointed out that, 'east winds press the Florida stream home to the Atlantic coast, and confine it in a very narrow channel; at which times it runs like a torrent.' This Florida stream can be seen clearly on this map of the Atlantic Ocean which appeared on the title page of De Brahm's little known book, *The Leveling Balance and Counterbalance* in 1774. (By courtesy of The British Library)



It is unfortunate that De Brahm's last and most comprehensive chart of the Gulf Stream, shown here, was never published. It was drawn up to accompany his manuscript treatise *Continuation of the Atlantic Pilot* in 1775. Here De Brahm abandoned his original wavy line current symbol in favour of tiny directional arrows to show the direction of surface water flow. Notable also is a system of counter rotating eddy currents shown by shaded trains of arrows. (By courtesy of Louis De Vorsey)





A portrait of Benjamin Franklin who lived from 1706-1790 and is regarded as the pioneer of Gulf Stream charting. He drew up a chart in 1768 which was printed by Mount and Page in London and until 1978 no copies were known to exist. Three have now been found, two in the Bibliothèque Nationale in Paris and one in the Ministry of Defence Library in London. However, although this chart was the first drawn up by Franklin, his best known Gulf Stream chart appeared sixteen years later in the American Philosophical Society's *Transactions* of that year. (Mary Evans Picture Library.)

1775. It was a voyage during which he took exhaustive pains to gather data with which to support his theories concerning the Gulf Stream and other scientific matters. In his words he set out with: '... two objects in view both equally interesting for Navigation and the learned world. The one was to discover the breadth and directions of the constant currents upon the coast of Europe and Africa and whether they cross from Africa to America as I always supposed. The other object was the preciseness of fixing the line of no variation.'

It is apparent from even a cursory study of his 1775 chart that De Brahm had abandoned his original wavy line current symbol in favour of tiny directional arrows to show the direction of surface water flow. Notable also is a system of counter rotating eddy currents shown by shaded trains of arrows. These eddy currents are described and discussed at some length in *The Continuation of the Atlantic Pilot*.

Major James Rennell's posthumously published Atlantic current index chart, which appeared in 1832, is similar to this 1775 chart by De Brahm. Unlike Rennell, however, De Brahm has been largely ignored by most historians of Gulf Stream research and charting. In many ways his charts and theories concerning the Gulf Stream and Atlantic circulation patterns have been overshadowed by the work of a better known figure of the eighteenth century, Benjamin Franklin, who has been universally acclaimed as the pioneer of Gulf Stream charting.

Franklin had a mild and speculative interest in the Gulf Stream from an early age but it was not until 1768 that his interest became serious. Franklin was in London as Deputy Postmaster General for the American Colonies when his advice was sought on a serious Atlantic navigation problem. It emerged that the mail packets from Falmouth to New York were frequently taking up to a fortnight longer for their voyage than were heavily laden merchantmen which sailed from London to Rhode Island. This was viewed as a sorry state of affairs — especially during times of political crisis when speedy official communication was imperative.

Benjamin Franklin's best known chart of the Gulf Stream published in 1786. This chart has been frequently reprinted down to the present day and serves as the cartographic cornerstone of Franklin's reputation. Note the cartouche at bottom right where the good Dr Franklin is apparently addressing an attentive Neptune. (By courtesy of the Bodleian Library)

Fortunately Franklin was entertaining a distant yankee cousin, Timothy Folger, when the problem was presented to him. Folger, in Franklin's words, 'a very intelligent Mariner of the Island of Nantucket in New England,' immediately ascribed the mail packet delays to the adverse effects of the Gulf Stream. He told Franklin that the current was well known to the Nantucket whale hunters who, he said 'cruise along the edges of the Stream in quest of whales.' In the course of their predatory voyages, he continued, 'they have opportunities of discovering the strength of it when their boats are out in pursuit of this fish, and happen to get into the stream while the ship is out of it ... for then they are separated very fast, and would soon lose sight of each other if care were not taken.'

Franklin must have been more than a little amused when Folger continued with the following anecdote: 'He told me he believed the fact might be true: but the difference was owing to this, that the Rhode-Island Captains were acquainted with that Stream, which those of the packets were not ... in our pursuit of whales ... we run down along the sides, and frequently cross it to change our side: and in crossing it have sometimes met and spoke with those packets, who were in the middle of it, and told them that they were stemming a current that was against them to the value of three miles an hour; and advised them to cross it and get out of it; but they were too wise to be counselled by simple American fishermen. When the winds are but light ... they are carried back by the current more than they are forwarded by the wind: and if the wind be good, the subtraction of 70 miles a day from their course is of some importance.'

The mind almost boggles at the thought of haughty packet captains actually being carried backwards rather than accept the advice of lowly Yankee Whalers!

Franklin lost no time in having Folger sketch the Gulf Stream on an available chart of the Atlantic. Understandably anxious to

R E M A R K S

Upon the Navigation from

NEWFOUNDLAND TO NEW-YORK,

In order to avoid the

GULPH STREAM

On one hand, and on the other the SHOALS that lie to the Southward of Nantucket and of St. George's Banks.

AFTER you have passed the Banks of Newfoundland in about the 44th degree of latitude, you will meet with nothing, till you draw near the Isle of Sables, which we commonly pass in latitude 43. Southward of this isle, the current is found to extend itself as far North as $41^{\circ} 20'$ or $30'$, then it turns towards the E. S. E. or S. E. $\frac{1}{4}$ E.

Having passed the Isle of Sables, shape your course for the St. George's Banks, so as to pass them in about latitude 40° , because the current southward of those banks reaches as far North as 39° . The shoals of those banks lie in $41^{\circ} 35'$.

After having passed St. George's Banks, you must, to clear Nantucket, form your course so as to pass between the latitudes $38^{\circ} 30'$ and $40^{\circ} 45'$.

The most southern part of the shoals of Nantucket lie in about $40^{\circ} 45'$. The northern part of the current directly to the south of Nantucket is felt in about latitude $38^{\circ} 30'$.

By observing these directions and keeping between the stream and the shoals, the passage from the Banks of Newfoundland to New-York, Delaware, or Virginia, may be considerably shortened; for so you will have the advantage of the eddy current, which moves contrary to the Gulph Stream. Whereas if to avoid the shoals you keep too far to the southward, and get into that stream, you will be retarded by it at the rate of 60 or 70 miles a day.

The Nantucket whale-men being extremely well acquainted with the Gulph Stream, its course, strength and extent, by their constant practice of whaling on the edges of it, from their island quite down to the Bahamas, this draft of that stream was obtained from one of them, Capt. Folger, and caused to be engraved on the old chart in London, for the benefit of navigators, by

B. FRANKLIN.

Note, The Nantucket captains who are acquainted with this stream, make their voyages from England to Boston in as short a time generally as others take in going from Boston to England, viz. from 20 to 30 days.

A stranger may know when he is in the Gulph Stream, by the warmth of the water, which is much greater than that of the water on each side of it. If then he is bound to the westward, he should cross the stream to get out of it as soon as possible.

B. F.

transmit this important intelligence to the mail packet captains, the Post Office had the London map publishing firm of Mount and Page print it on the appropriate sheet of their large Atlantic Ocean Chart. In addition to the shaded depiction of the Gulf Stream was a set of 'Remarks for Sailing from Newfoundland to New York, in order to avoid the Gulf Stream and the Shoals to the Southward of Nantuckett and George's Bank', which Folger also provided.

Copies of this 1768 chart printed by Mount and Page were sent to the Falmouth mail packet captains who, in keeping with their already described haughtiness, 'slighted it.' Until recently no copies of this chart were known to exist and some scholars seriously doubted that they had ever been printed. Any doubts remaining on this score have been erased by the discovery of two copies in the Bibliothèque Nationale by Philip Richardson in 1978 and a single copy in the Ministry of Defence Library in London by Louis De Vorsey in 1979.

The tension between Britain and her American colonies, which began in the 1760's, intensified and erupted into an armed conflict in the following decade. Franklin was sent to Paris to further the cause of his now rebellious fellow Americans. While there either scarcity of the Mount and Page chart or the need for a French language version led him to have the map publisher Le Rouge engrave and print a copy of it with French text substituted for English throughout. This French version of Folger's Gulf Stream chart and sailing directions also appears to have had a very limited printing and was never published or widely circulated.

Neither the Mount and Page nor the Le Rouge Gulf Stream chart, rare as they are, contributed much to Franklin's almost unchallenged fame as the discoverer of the Gulf Stream. For the source of that reputation one must turn to his third and final Gulf Stream chart which was published and widely circulated. It is the Franklin Gulf Stream chart which has been frequently reprinted down to the present day and serves as the cartographic

cornerstone of his reputation.

Franklin's best known Gulf Stream chart was not published until 1786 when it appeared in the American Philosophical Society's *Transactions* of that year. This was a full sixteen years after De Brahm published his chart in *The Atlantic Pilot*. Although Franklin's 1786 chart resembled his earlier printed versions of Timothy Folger's sketch it is clearly not identical to them. For one thing it is titled 'A Chart of the Gulf Stream' in a decorative cartouche which includes an engaging likeness of the good Dr. Franklin apparently lecturing an attentive Neptune. It is probable that James Poupard, the chart's identified engraver introduced this pictorial innovation as well as the new projection and altered geography which forms the base of this depiction of the Gulf Stream.

In the 'Remarks' which were printed on the *Transactions* page with the chart, Timothy Folger and his whaling comrades from Nantucket are given full credit as sources for the chart. In the final paragraph Franklin briefly touches on the one aspect of Gulf Stream research in which he played an original role. This concerned that warmth of the Gulf Stream's northern flow which had intrigued Marc Lescarbot back in 1606. Franklin explained, 'Having since crossed this Stream several times ... I have been attentive to sundry circumstances relating to it, by which to know when one is in it ... I find that it is always warmer than the sea on each side of it ...' In the essay which accompanied the chart in the *Transactions*, Franklin elaborated on these researches and included tables of water temperature observations which he had taken on voyages in 1775, 1776 and 1785.

Assisting the now elderly Franklin on his last transatlantic voyage in 1785 was his nephew Jonathan Williams. Williams personally took the daily water temperatures and made other observations. He was obviously inspired by his experience under the tutelage of his uncle and continued to make systematic







'The Atlantic Ocean' by Governor Pownall FRS, 1787. Pownall shows the Gulf Stream arcing completely across the Atlantic to set on the African coast just south of the Canary Islands. This map is similar to William Strickland's chart which appeared in 1802. He, like many of his contemporaries, reflected the influence of Franklin. (By courtesy of The British Library)



'The Gulf Stream', a painting by Winslow Homer (1836-1910) which is in the Metropolitan Museum of Art.

observations of water temperatures during his own subsequent Atlantic voyages. His further work, however, departed from Franklin's preoccupation with the detection of currents through temperature observations. As Williams explained, 'it very naturally occurred to me that the thermometer might become a useful nautical instrument to indicate an approach to the shore.' In 1793, Williams published a 'Memoir ... on the use of the Thermometer in discovering Banks, Soundings, etc.' in volume III of the American Philosophical Society's *Transactions*. He included a chart of the Atlantic showing the tracks of five ships with water temperatures which had been recorded during their crossings. Prominent on William's chart is the Gulf Stream with a caption emphasizing 'Edge of the Gulph-Stream.' The Gulf Stream seems to terminate just to the south of the Newfoundland Banks whereas on Franklin's chart of seven years earlier it continued to the chart's margin well beyond the Banks. According to Williams, he showed the 'edge of the gulph stream ... according to the experiments as far as the banks of Newfoundland: how far it runs to the eastward I do not pretend to say; but having found a current in the natural direction of its sweep among the western islands [Azores], I am inclined to think it extends so far, before it turns off to the southward.'

William's 'Memoir' proved to be an inspiration to William Strickland who made his own water temperature observations in 1794 and 1795. Strickland titled his memoir 'On the Use of the Thermometer in Navigation' and pointed out how both currents and banks could be detected to the advantage of the navigator. Strickland showed the Gulf Stream as arcing completely across the Atlantic to set on the African coast just south of the Canary Islands. This was identical to the way in which Thomas Pownall showed it on his own chart which was published to accompany his, *Hydraulic and Nautical Observations On the Currents In The Atlantic Ocean ...*, in 1787. Strickland's chart did not appear until 1802 when it was published in volume 5 of the American Philosophical Society's *Translations*.

Pownall, who had been the Royal governor of Massachusetts, like Franklin, owed much to the mariners and whalers of New England for information about the Gulf Stream. Referring to his chart Pownall called particular attention to his own sophisticated cartographic symbolization of the current in the following extract: '... the reader will find this current marked by a dark shade, very exact as to the Northern Latitudes of the edges of it; and he will observe that this shade is lighter and lighter as the stream expands itself, and grows weaker so as almost to vanish as it approaches the African Coast. The under or Southern edge is engraved also with an indecisive line.' In addition to the shading Pownall included small arrows to show the 'Setting of the Current' on his chart. Also

included was an interesting symbol intended to show 'The Trade Winds'.

Like Williams, Pownall acknowledged Franklin's influence in his own work on the Gulf Stream. For example he states that Franklin had given him a paper at Passey on October 7, 1784, which confirmed and corrected some of his facts regarding the location of the Gulf Stream's boundary off New England and Newfoundland.

The paper which Franklin shared with Pownall at Passey was probably a preliminary draft of his 'Maritime Observations' which were not published until 1786 in Philadelphia. Franklin's published paper included the extensive observations which he and his nephew Jonathan Williams took during their return to America on board the ship *London Packet* in the late summer of 1785. The captain of the Ship, Thomas Truxtun, was also infected by Franklin's avid interest in the Gulf Stream. Like Williams he went on to publish a chart which showed it as well as extensive notes describing his own research dealing with the current. His chart was titled 'A General Chart of the World showing the Course of the Gulph Stream and various tracks to and from the East Indies' and was included in his book, *Remarks, Instructions and Examples Relating To The Latitude and Longitude*, which was published in Philadelphia in 1794. The 'Gulf of Florida Stream' is shown on the map as an arcing pattern of fine closely spaced lines with several included direction arrows. It is a very different depiction from those offered by any of the other workers associated with Franklin in his Gulf Stream investigations.

By the closing decade of the eighteenth-century the Gulf Stream's presence in the Western Atlantic had become common knowledge. Thanks to the pioneering efforts of De Brahm, Franklin, Williams, Pownall, Strickland and Truxtun the Gulf Stream as well as other ocean currents were being shown increasingly on general maps and charts. The foundations for the study of oceanic circulation were in place and the nineteenth century saw it carried forward through the efforts of oceanographic pioneers such as Major James Rennell, Matthew Fontaine Maury, and Franklin's great-grandson, Alexander D. Bache, who served as director of the U.S. Coast Survey for many years.

At the present time, teams of oceanographers equipped with modern survey vessels, satellite imagery, and sophisticated computer models continue to strive for a fuller understanding of the Gulf Stream System. One important outcome of their efforts will be improved charts to show the current in all of its dynamic complexity as a vital step in understanding how it transports energy, living organisms, and pollutants across the face of our planet.

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Large Scale English County Maps and Plans of Cities not printed in Atlases. Part 4

by R.V. Tooley

Part 4

CAMBRIDGESHIRE. COUNTY MAPS

Ca 1 Bacon, G.W.: *Bacon's Map of Cambridgeshire*. London, G.W. Bacon & Co^o Ltd., Strand. [1859-1885]. 605 x 430mm. Lithograph. Outline colour, coloured, roads overprinted. Scale: 3½" = 8 mi.

[Wrapper title]: *Bacon's County Guide & Map of Cambridge for Cyclists & Tourists From The Ordnance Survey* G.W. Bacon & Co. Ltd. 127, The Strand, London. In Cloth Case, 6d. On Cloth, 1/. Included is *A Guide to the County of Cambridge*. By G.W. Bacon F.R.G.S., pp16. 155 x 94mm. Late issue of *Weekly Dispatch* Atlas map, altered. Population figures on 1881 census.

Ca 2 Baker, R.G.: *Map of the County of Cambridge, And Isle of Ely. Surveyed by R.G. Baker in the Years 1816, 17, 18, 19 & 20. Published by the Proprietor, R.G. Baker, Bluntisham Near S.^t Ives, Huntingdonshire. July 19th 1821. Engraved by J. Allen, 17, Poplar Row, New Kent Road, Surry. To the Right Honourable Philip Earl of Hardwicke K.G. Lord Lieutenant and Custos Rotulorum of the County of Cambridge. This map is Dedicated by his Lordship's Most obedient Servant, R.G. Baker. Bluntisham, R.G. Baker, 1821. In four sheets, total dimensions 1500 x 1200mm. Copper engraved aquatint.*

Scale: 10" = 10 mi.

[Inset vignettes]: *Cambridge. R.B. Harraden del.^t D. Havell Sculp.^t; Ely R.B. Harraden del.^t D. Havell Sculp.^t*

Imprint also on two north sheets at b/c below neatline: *Published by R.G. Baker. Bluntisham. July 19th 1821.*

Key includes Cathedrals and Churches; Castles and Abbeys; Roman Stations; Houses; Watermills; Windmills; Water Engines; Fens; Heaths and Commons; Hills and Rising Ground; Rivers and Brooks; Canals; Woods and Plantations; Gentlemen's Seats; Turnpike and Cross Roads; Roman Roads and Ancient Water Courses; Cities and Market Towns; Parishes and villages; Hamlets and other places; Boundaries of counties; Boundary of the Isle of Ely; Boundaries of Hundreds.

Ca 3 Baker, R.G.: another edition. *Republished by the Proprietor, R.G. Baker, Earith, Near S.^t Ives, Huntingdonshire. May 1st, 1830. And Sold by T. Stevenson, Cambridgeshire*. Dedication as before. Cambridge, T. Stevenson, 1821-30. In four sheets, total dimensions 1560 x 1200mm. Copper engraved and aquatint. Wash and outline body-colour. Scale: 10" = 10 mi.

[Inset vignettes]: as before.

Imprint also on two north sheets at b/c below neatline: *Republished by R.G. Baker, Earith, May 1st 1830.*

This edition shows much evidence of draining and reclamation of land in the Fens north of Ely, particularly around Littleport and Wisbech. North of Wisbech the map area outside Cambridgeshire now shows the Nene Outfall Cut by Cross Keys Wash. Minor boundary changes are noted also. Place, field and lane names added. Aquatint insets show signs of retouching.

Ca 4 Cole, B: *A New Map Shewing the Counties Hundreds Ecclesiastical Divisions, Towns, Villages, Gentlemen's Houses Castles &c. Also the Roads, Rivers, Woods, Parks, Battles, Within Twenty Miles round Cambridge*. Engraven by John Harris in Newgate Street London. London Printed by William Redmayne in Jewen-street MDCCX. London, W. Redmayne, 1720. In four sheets. Engraved surface, 625 x 523mm; with letterpress borders, 815 x 815mm. Scale: squared at 3 mile intervals, 1½" = 3 mi.

Dedicated to the Duke of Bedford. Detailed separate publication showing all of Cambridgeshire and Huntingdonshire and large portions of Norfolk, Suffolk, Essex, Hertfordshire, Bedfordshire, Northamptonshire and Lincolnshire. Detailed key shows categories of towns and settlements, roads, antiquities, abbreviations and types of boundaries. Shows main roads and considerable detail in Fenland area. Detailed printed letterpress gazetteer of all places mentioned surrounds map area, 'Tables of all Places Contain'd in this Map Of Twenty Miles round Cambridge,' with in bottom right corner, 'The Use of the Tables.'

Ca 5 Collins, H.G.: *Cambridgeshire*. London, Published for the Proprietors, by H.G. Collins. 22 Paternoster Row. London. H.G. Collins, n.d., [1848-1852]. 435 x 355mm. Lithograph. Wash and outline colour. Scale: 2¾" = 9 mi.

[Wrapper title]: none found.

Earlier edition by Collins with plain borders and title panel in *The Travelling Atlas of England and Wales*.

Ca 6 Cruchley, G.F.: *Cruchley's Map of Cambridge, Showing all the Railways & Names of Stations, Also The Telegraph Lines & Stations Improved from the Ordnance Surveys*. London. Published by G.F. Cruchley. Map-Seller & Globe Maker, 81 Fleet Street, n.d., [1857]. 538 x 480mm. Lithograph. Outline colour. Scale: 2¾" x 6 mi.

Ca 7 Cruchley, G.F.: *Cruchley's County Map of Cambridge Showing all the Railways & Names of Stations, Also The Villages, Turnpike Roads, Gentlemen's Seats &c. &c. Improved from the Ordnance Surveys*, London: Published By Gall & Inglis, 25, Paternoster Square. Edinburgh: Bernard Terrace. Edinburgh and London, Gall and Inglis, n.d., [1880]. 538 x 480mm. Lithograph. Outline colour. Scale: 2¾" = 6 mi.

[Wrapper title]: *Cruchley's Railway and Station Map Of The County of Cambridge. Sixpence Coloured*. Gall & Inglis, Edinburgh: Bernard Ter. London: 25 Paternoster Square.

Ca 8 [Great Britain: Ordnance Survey]: *Ordnance Survey of England and Wales. Cambridgeshire*. Old series, hill shaded. Sheets 46 NE, 47, 51, 52, 64 and 65. 1805-44. Scale: 1" = 1 mi.

Ca 9 —: Another edition. [?1853].

Ca 10 —: Another edition. 1862-74.

Ca 11 [Great Britain: Ordnance Survey]: *Ordnance Survey of England and Wales. Cambridgeshire*. New Series, in outline. Sheets 144, 145, 158, 159, 172, 173, 187, 188, 189, 204, 205, 206, 221 and 222. 1874-95. Scale: 1" = 1 mi.

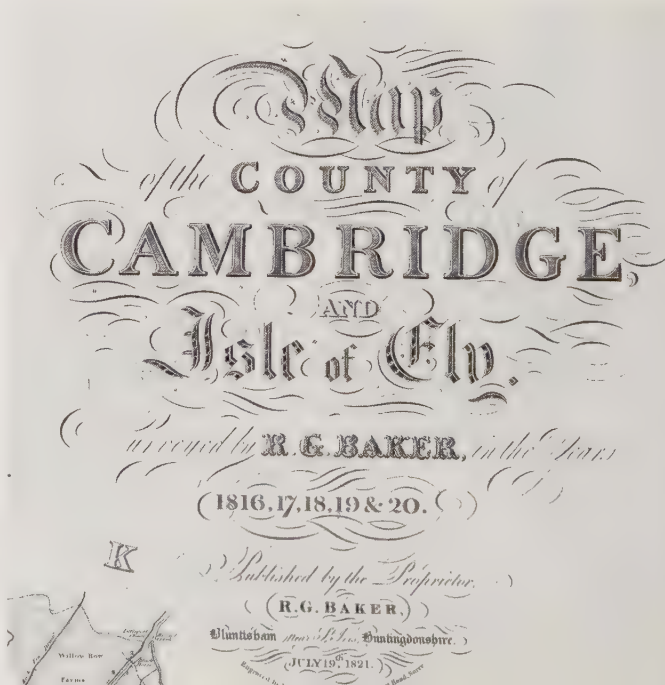
Ca 12 —: Another edition. 1892-97.

Ca 13 —: Another edition. Revised, in outline. 1895-99.

Ca 14 —: Another edition. Revised, with mills. 1895-99.

Ca 15 [Great Britain: Ordnance Survey]: *Ordnance Survey of Cambridgeshire. Surveyed in 1876-86. First edition, without contours*. 170 sheets. Southampton, Ordnance survey Office, 1884-88. Scale: 6" = 1 mi.

The engraved title from R.G. Baker's Map of the County of Cambridge, 1821. (By courtesy of the Bodleian Library)



G. Wildey's strange oval-shaped map of the country twenty miles round Cambridge. The spandrels in each corner contain brief historical notes on the town. (By courtesy of the Bodleian Library)



Ca 16 —: Another edition. With contours. 1889-92.

Ca 17 [Great Britain: Ordnance Survey]: *Ordnance Survey of Cambridgeshire*. Surveyed in 1876-86. 11 volumes. Southampton, Ordnance Survey Office, 1884-89. Scale: 1:2500 or 25.344" = 1 mi.

Ca 18 [Great Britain. Ordnance Survey]: *Ordnance Survey of England and Wales. Geological Survey of England and Wales*. London, Ordnance Survey, [1824-83]. Electrotypes, coloured. 610 x 920mm. Scale: 1" = 1 mi. Published at the Tower of London 1st March, 1824 by Major Colby of the Royal Engineers. Geologically surveyed by John W. Judd — H.W. Bristow, F.R.S., Director. Geological information published June 1872. A.C. Ramsay, L.L.D., F.R.S., Director General.

Ca 19 Moore, Sir J: *Cambridge-Shire and The Great Levell of y Fens, extending into the Adjacent Shires, according to Surveys as it is now drained, at y charges of y R^l Ho^{ble} W. Earl of Bedford, and y other Proprietors by S^t Jonas Moore, &c. Made and Sold by P: Lea at Atlas and Hercules in Cheapside, London*. London, P. Lea, [1683-93]. 400 x 485mm. Copper engraving. Scale: 2¾" = 7 mi. [insets]: Ely 96 x 96mm; Cambridge 160 x 110mm. Engraver [F. Lamb].

Ca 20 —. Another issue? [Sold by M. Pitt], [1684].

Ca 21 Smith, C.: *Map of Cambridge Showing All The Railways & Stations and the Parliamentary Divisions* London, Smith & Son, 63 Charing Cross. London. Published by Smith & Son, 63 Charing Cross. London, Smith & Son, n.d. [1801-?64]. 510 x 450mm. Lithograph. Wash and outline colour. Scale: 27/8" = 7 mi. [Wrapper title]: none found.

Lithographic transfer from 1801 issue, showing railways completed and projected. Reference to the Hundreds. Explanation. Polling Places.

Ca 22 Weller, E.: *Cambridgeshire*. By E. Weller, F.R.G.S. George Philip & Son, London & Liverpool. London and Liverpool, G. Philip and Son, n.d. [1875]. 403 x 335mm. Chromolithograph. Scale: [3¼" = 10 mi]. [Wrapper title]: none found. Colour printed to show Parliamentary divisions and seats of the gentry, in ochre, buff and green. Shows also roads and railways.

Ca 23 [Weller, E]: *Cambridgeshire*. London and Liverpool, George Philip and Son, [1875-85]. 403 x 335mm. Lithograph. Scale: [3¼" = 10 mi.] [Wrapper title]: *Philips' Cyclists' Map of The County of Cambridge Shewing The Main Roads Distinctly Coloured Reduced From The Ordnance Survey Price One Shilling*. George Philip & Son. 32, Fleet Street, London: And Liverpool.

Thematic overprinting in red showing steep hills, cycling routes and facilities. Roads in brown. C = Consul of CTC; H = Appointed hotel, X = Repair facilities.

Ca 24 [Wildey, G.]: *A Map of the Country Twenty Miles round Cambridge*. [London, G. Wildey, ?1720] 440 x 348mm. Colour engraving. [Scale: 7/8" = 3 mi. squared]. Like its companion map of Oxfordshire, this oval map of Cambridgeshire and parts of the surrounding counties appears to have been a separate publication by Wildey at or about the same time that he re-issued the Saxton plates, and has on occasion been found bound in with those maps. The map itself is graduated in three-mile squares, 20 north-south and 16 east-west. The four spandrels each contain three roundels engraved with brief historical notes on the town of Cambridge.



DISTRICT MAPS

Ca 25 Bacon, G.W.: [untitled road map]. London: G.W. Bacon & Co. Ltd., 127, Strand. Cambridge, Metcalfe & Co., Ltd., n.d. [1895]. 510 x 712mm. Chromolithograph. Scale: 1" = 2½ mi.
[Wrapper title]: Road-Map of the Cambridge District Scale 2½ miles to an inch. In cloth case, 1s. On Cloth, 2s. Published By Metcalfe & Co. Ltd., Cambridge.

Ca 26 Barrett, L.: *Geological Map Of The Neighbourhood Of Cambridge* By Lucas Barrett, F.G.S. 1859. [London, 1836-59]. 336 x 480mm. Electrotpe, coloured. Scale: 1" = 1 mi.
Based on sheet LI S.W. (Cambridge) of the O.S. 1" map.

Ca 27 Jukes-Browne, A.J.: *Geological Map of the Neighbourhood of*

Cambridge. By Alfr^d J. Jukes-Browne, B.A.F.G.S. [London, 1836-75]. 336 x 480mm. Electrotpe, coloured. Title lithographed. Scale: 1" = 1 mi.
Based on Sheet LI S.W. (Cambridge), base electrotyped 1872.

Ca 28 Grant, W.P.: *Fifteen Miles Round Cambridge*. Published by W.P. Grant, Crescent, Cambridge. Cambridge, W.P. Grant, n.d., [1860]. 365mm diameter. Lithograph. Scale: ½" = 1 mi.
[Wrapper title]: none found.
Circular sketch map, centred upon Cambridge, showing bridle roads, railways, rivers and county boundaries. Railways shown to mid 1860s.

Ca 29 Houlston & Wright: *Environs of Cambridge*. London, Houlston and Wright, n.d., [1870]. 255 x 345mm. Chromolithograph. Scale: 1" = 4



The central sheet of the birds eye view of Cambridge measured and drawn by John Hamond of Clare Hall and dated 22 February 1592. This photograph was taken from the facsimile of the second known printed example by Hamond. (By courtesy of the Bodleian Library)

London. London, G.W. Bacon & Co. Ltd., n.d., [1880-1900]. 440 x 620mm. Chromolithograph. Scale: 9" = 1 mi.

[Wrapper title]: *Bacon's Large Scale Plan Of Cambridge On Cloth in Case, Is. For Cyclists' And Tourists Based On The New Ordnance Survey.* G.W. Bacon & Co., Ltd., 127 Strand, London.

Ca 32 Baker, R.G.: *Baker's New Map Of The University And Town Of Cambridge.* To His Royal Highness William Frederick Duke of Gloucester, K.G. G.C.B. Chancellor of the University Of Cambridge, This Map Delineated From Actual Survey, Is With Permission Most Humbly Dedicated By His Royal Highness' Obligated & very obedient Servant, Richard Gray Baker, 1830. Engraved by J. Dower, Cumming Place, Pentonville, London. Published May 1830 And Sold By the Proprietors, R.G. Baker, Earith, Hunts, And T. Stevenson, Cambridge. Earith and Cambridge, R.G. Baker and T. Stevenson, 1830. In two sheets, total dimensions, 1085 x 950mm. Steel engraving. Scale of yards: 5" = 1000 yards; Scale of chains: 6" = 60 chains. Includes Chesterton, Grantchester and Trumpington.

Ca 33 Bedford, F.: *University And Town Of Cambridge.* F. Bedford Jun^r. Litho: London. Printed by Standidge & Co. Ltd., London. Published by John Hall, and John Hatt, Cambridge, and G. Bell. 186 Fleet Street, London. Cambridge and London, J. Hall, J. Hatt and G. Bell. n.d., [?1840]. 505 x 413mm. Lithograph. [Scale: 20" = 1 mi]. [Wrapper title]: *A Pictorial Plan of the Town And University of Cambridge.*

Ca 34 Craig, F.S.: *Spalding's Plan Of Cambridge. And Its Environs.* Surveyed & Compiled Expressly For W.P. Spalding, By Francis S Craig, 1875. E. Cooke lith. 6 Bedford St, Bedford Row, London. [Cambridge], W.P. Spalding, 1875. 520 x 445mm. Lithograph. Scale: 9" = 1 mi. [Wrapper title]: none found.

Ca 35 Craig, F.S.: *Spalding's Plan Of Cambridge. And Its Environs,* Surveyed & Compiled Expressly for W.P. Spalding, By Francis S. Craig. Cambridge: W.P. Spalding, 13 Sidney Street. Cambridge, W.P. Spalding, [1875]-81. 520 x 445mm. Lithograph. Scale: 9" = 1 mi. [Wrapper title]: *Spalding's Plan of Cambridge.* 1881. River now shaded in this edition. In the Leys, Wesleyan College now shown instead of First Grade School Wesleyan; Queen Ann Terrace instead of County Gaol on Gonville Place.

Ca 36 —: Another edition, 1885.

Ca 37 Custance, W.: *A New Plan Of The University and Town Of Cambridge to the Present Year 1798.* Surveyed by and Published for W.^m Custance, Cambridge, May 21st. 1798. Engraved by J. Russell, Grays Inn Road. London. Cambridge, 1798. 457 x 352mm. Scale: 27/8" = 300 yards. Shows the town's open fields before the enclosures of 1802-07. Custance was a surveyor and builder from Chesterton.

Ca 38 Fuller, T.: *Cantabrigia qualis extitit Anno Dñi: 1634.* [London, J. Williams, 1655]. 285 x 360mm. Copper engraving. [Scale: 15" = 1 mi]. in: *The History Of The University of Cambridge, Since The Conquest.* [London, J. Williams, 1655].

Ca 39 [Great Britain: Ordnance Survey]: *Ordnance Plan of the Town of Cambridge.* 60 sheets and index sheet. Southampton, Ordnance Survey Office, 1886-88. Scale: 1:500 or 10.56' = 1 mi.

Ca 40 Hamond, J.: *Cantebrigia Habes in hac charta (Spectator candide) novā Cantebrigiaē descriptionē, quā per Scalae mensurā multo quā ante hac accuratius examinātā: ad veros situs reduximus. Tu vero qua es humanitate equi boniq' consulas. Interim fruire & bene vale. Cantebrigiaē ex aula Clarensi die 22 mensis februarij 1592. Johāñes Hamond. Augustin Ryther & Petrus Muser sculpservunt.* Cambridge, 1592. In nine sheets, total dimensions 870 x 1194mm. Copper engraving. Scale: 1" = 120' (67/8" = 720').

One complete copy only known of all nine she. Cantebrigiaē ex aula Clarensi die 22 mensis februarij 1592. Johāñes Hamond. Augustin Ryther & Petrus Muser sculpservunt. Cambridge, 1592. In nine sheets, total the map was engraved by Augustine Ryther and Peter Muser.

Ca 41 Loggan, D.: *Nova & Accuratissima Celeberrimae Universitatis Oppidique Cantabrigiensis Ichnographia. An.^o 1688.* Dav: Loggan Delin, et Sculp. cum Privil. S.R.M. 1688. [Cambridge, 1690]. 403 x 520mm. Copper engraving. Scale: 1" = 300' Detailed plan with lettered and numbered key to University and

mi.

[Wrapper title]: *Tourists' Handy Maps From The Ordnance Survey.* Cambridge & Neighbourhood Price Fourpence. London, Houlston & Wright.

Extends from Bedford to Sudbury and from Manea to Stevenage. Lithographic transfer, cut down.

Ca 30 [anon]: *Plan of the Intended Roads about Ely,* n.p., n.d., [Ely, 1815?]. 420 x 285mm.

TOWN PLANS

Cambridge:

Ca 31 Bacon, G.W.: *Cambridge.* G.W. Bacon & Co., Ltd., 127 Strand,



Bottom left hand corner of David Loggan's map, 'Nova & Accuratissima Celeberrimae Universitatis Oppidique Cantabrigiensis Ichnographia,' dated 1688. It shows part of the accurately drawn plan of Cambridge and is an example of fine engraving. (By courtesy of the Bodleian Library)

ecclesiastical properties. Published c1690 in David Loggan's *Cantebri-gia Illustrata*, dedicated to Francis Turner D.D., Master of St John's College (1670-79) and later Bishop of Ely (1684-91). The inscription to Dr Turner notes that Loggan began his survey when the dedicatee was Vice-Chancellor and finished when he was Bishop so the work must have taken some ten years. 'Though the scale is small it is so accurately drawn and so clearly engraved as to be of the greatest service in determining the changes which had been in the interval of nearly a century which has elapsed since Hamond's plan was drawn.' (Clark, J.W. and A. Gray: *Old Plans of Cambridge 1574 to 1798*. Cambridge, 1928, p137.)

Ca 42 Lyne, R.: *Oppidum Cantebri-giae. Rīc^d Lyne Sculp-sit A^o Dñi. 1574*. [Cambridge, 1574?]. 426 x 297mm. Copper engraving. [Scale: c10" = 1 mi.].

Oriented north to the top. Possibly a separate publication but is sometimes found bound in copies of John Caius' *Historia Cantebri-giensis Academiae* (1574), but is thought not to be called for specifically in that work. The plan shows existing properties and describes the history of the University and town. It also calls for a scheme for the cleaning of the King's Ditch in order to bring fresh water to the town.

Ca 43 Metcalf and Palmer: *Cambridge. For the Meeting of the Archaeological Institute, July, 1854*. Metcalfe & Palmer, Litho. Cambridge. Cambridge, Metcalfe and Palmer, 1854. 310 x 254mm. Lithograph. [Scale: 12" = 1 mi].

Ca 44 Monson, E.: *Cambridge, 1859. Compiled. Drawn, Photographed & Published by E. Monson, Land Surveyor, Draughtsman, And Photographer, Cambridge*. Cambridge, E. Monson, 1856-59. 730 x 470mm. Lithograph. Coloured. [Scale: 12" = 1 mi].

Shows the University properties and places of interest in the town. Note on map: 'Map-How obtained. — The outline of Streets was obtained from the large Skeleton Map of 1856 in the Town-chest, reduced to a scale of 6 chains to the inch, by Photography. Details were filled in from the old published maps. The Town was then gone over Map in hand (railway fashion of revision) and all observed differences of importance corrected; it was then redrawn and photographed. The map is printed with Silver, the Notes are letterpress. The time occupied in the drawing, Photographing and revision was about three months.'

Ca 45 Rowe, R.R.: *Map of The Borough Of Cambridge With The Parish Boundaries. From a Trigonometrical Survey By Richard Reynolds Rowe, F.R.I.B.A. Town Surveyor, 1858. Entered At Stationers' Hall, April 9th, 1872*. [Cambridge], 1858-72. In four sheets, total dimensions, 1360 x 1580mm. Lithograph. Scale of chains: 7³/₈" = 20 chains. Scale of feet: 8³/₈" = 1500', [i.e. approx. 30" = 1 mi].

Ca 46 Smith, G.J.: *Spalding's Map of Cambridge Based On The Ordnance Survey Plan. (10th scale) By Permission Of The First Commissioner Of Her Majesty's Works. Drawn & Many Parts Specially Surveyed By George John Smith, 1888. Maclure & C^o Litho To The Queen, London*. [Cambridge W.P. Spalding, 1888]. 660 x 575mm. Chromolithograph. Scale: 9" = 1 mi.

[Wrapper title]: none found.

Wisbech:

Ca 47 [Great Britain: Ordnance Survey]: [*Ordnance Plan of the Town of Wisbech*]. 13 sheets, plus index. Southampton, Ordnance Survey Office, 1887. Scale: 1:500 or 10.56' = 1 mi.

N.B. The Fens will be published separately.

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An Unusual Manuscript Wall Map by Urbano Monti 1544-1613

by J.J.S. Goss

Just before going to press we learned from Sotheby's, the London auctioneers, that they had an important and most unusual wall map made up as an atlas by the sixteenth century Italian mapmaker, Urbano Monti. John Goss, our research editor, went to look at the 'atlas' and put together the following notes for the benefit of readers. We hope that these notes will stimulate further research into some of the problems raised by the appearance and very nature of this rare work which fetched £58,000 in auction on May 12 this year.

IN THEIR CATALOGUE Sotheby's describe this manuscript as 'an important atlas of the world by Urbano Monti, dated 1587, containing a double page map of the globe and sixty double page maps of the New World, Africa, Asia and the Far East, Europe, and the Southern Continents, together with thirteen double page tables illustrating latitudes and longitudes, distances, times, temperatures, prevailing winds and the causation of eclipses under the Ptolemaic system.' They go on to explain that the maps and tables are in coloured washes with brown pen and ink, some highlighted in silver and gold. They are decorated by both real and imaginary drawings of things like ships and sea monsters and there is also a pendant woodcut portrait of Monti himself.

Manuscript atlases of this date are extremely rare; the first modern printed atlas by Abraham Ortelius, *Theatrum Orbis Terrarum*, having only appeared in 1570. One other example of a manuscript atlas by Urbano Monti is recorded by R.V. Tooley with the date 1589. There is also a sixty four section printed world map by him discussed by Roberto Almagià in *La Bibliofilia XLIII*, of 1941. The key world map, almost identical to the present one, is in the Doria Atlas sold by Sotheby's last year.

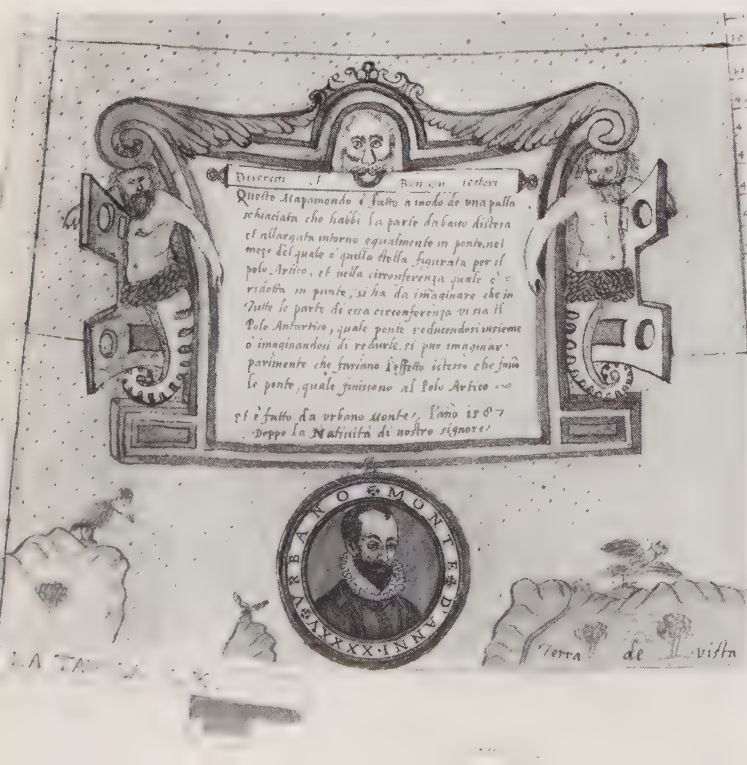
In reality, the term 'atlas' applied to the bound manuscript sold on May 12 as Lot 53 by Sotheby's is a misnomer. The sheets, which have been bound up presumably for safer handling, if joined together would form a planisphere, a large map of the world on a polar projection.

The binding, in contemporary 'sheep', holds seventy four double folio conjoint leaves, that is 148 pages mounted on guards like an atlas. Sixty four of the openings are of map sheets or 'tavoli' which

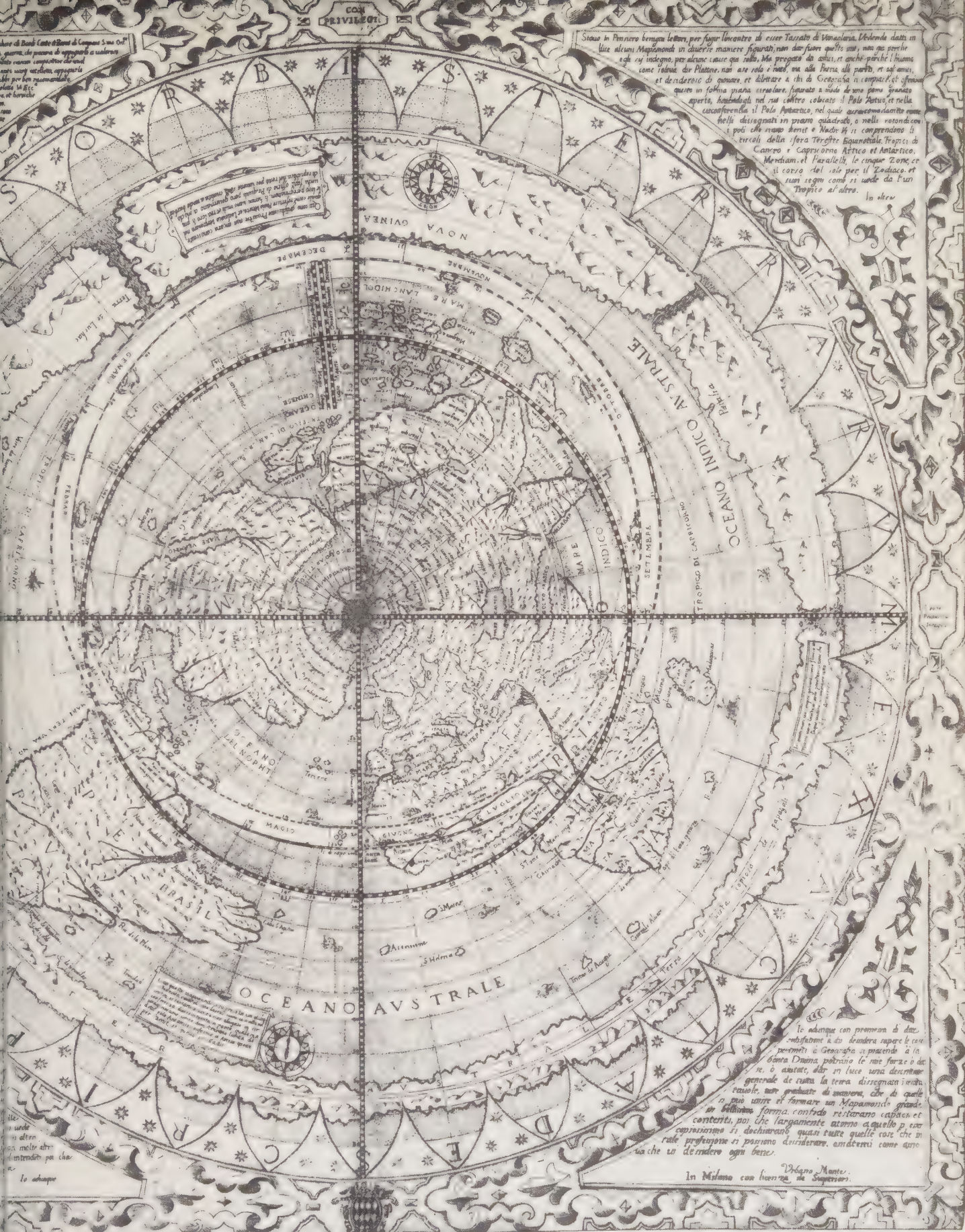
The key world map, almost identical to the one in the Monti manuscript, which was in the Doria atlas sold by Sotheby's last year. This is the printed version discussed by Almagià in an article written in 1941. (By courtesy of Rodney Shirley.)



The map from Urbano Monti's manuscript which has a pendant portrait of the author and an address to the reader explaining that this map of the world is in the form of a squashed ball. (By courtesy of Sotheby's.)



includes the world map plus a single sheet world map together with the sheets describing the Ptolemaic solar system, latitude and longitude, time differences and other information. There are vivid drawings of flora and fauna, various sailing ships and emblematic designs. The single sheet world chart is heavily coloured especially in the borders, the inks having kept a remarkably fresh appearance as is so often the case with hand coloured work of the period. It is obvious that the manuscript has been looked after well, possibly

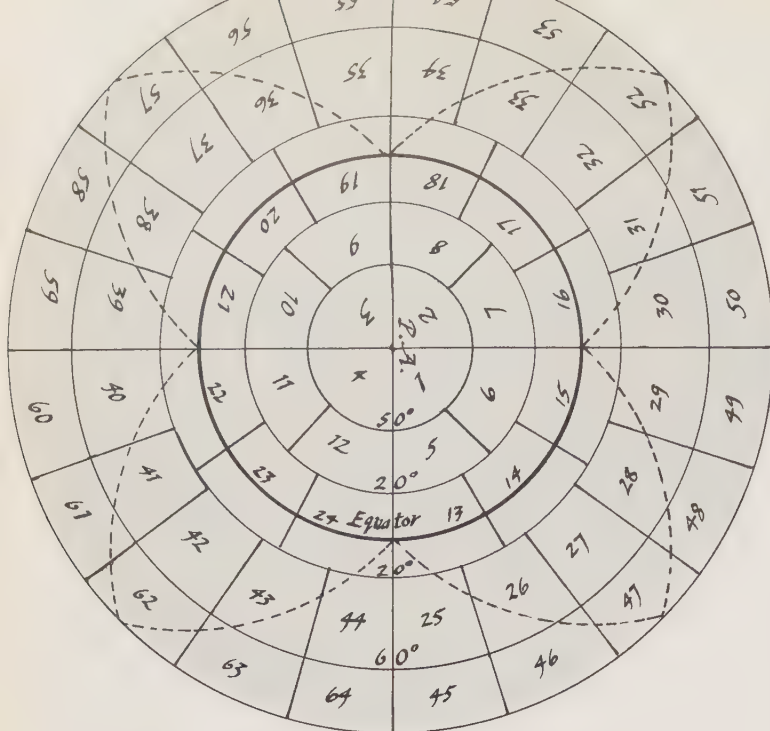


locked away somewhere for many years.

Tantalizingly little is known of the author, Urbano Monti, apart from the fact that he was a mapmaker and man of letters who was born at Milano in 1544 and died there in 1613. He contributed to a four volume historical diary in manuscript titled, *Delle cose più notabili successe nella città di Milano*, the fourth volume of which contains an important account of the Japanese Embassy to Europe between 1582 and 1590, in particular to Italy in 1585. But such

fame as Monti has rests on his geographical treatise, *Trattato Universale Descriptione Et Sito De Tutta La Terra Sin Qui Consociata Descritto da Urbano Monte* (1590), which contains the basic text and explanations, again in manuscript, of a large planisphere wall map in sixty four sheets. Almagià also describes a printed version of 1604 but this manuscript, although possibly drawn in 1587, may have been in use as late as 1603.

The single sheet world chart, a small planisphere, which appeared



This diagram shows how the planisphere is made up of sixty four sheets and the five different concentric circles. (Drawn by Ashley Pope.)

in the Doria atlas, seems to have been an engraved version of the one in the manuscript. Concerning the planisphere and its remarkable projection, Monti himself says in his address to the reader, 'Questo Mapamondo e' fatto a modo de una palla schiacciata,' this map of the world is in the form of a squashed ball. This projection is most unusual and perhaps the most remarkable feature of the manuscript. The Polar regions are shown, below the Antarctic Circle at least, as a series of small gores — in much the same way as a ball of clay will distort and split radially at the outer edges when squashed. In this way Monti overcame the difficulty of showing the regions antipodal to his central North Pole. Five circles of map sheets make up the planisphere.

There does not seem any clear reason for the manuscript apart from the unusual projection. Could it have been a private commission destined for the wall of some Milanese ducal palace? We

shall probably never know. Even more puzzling is the fact that the geographical information seems on the whole to have been obsolete at the time it was written.

The Manuscript

The manuscript is made up as follows: the first circle, tavoli I-IV consists of four quadrants extending from the North Pole to 51°N including Greenland, Scandinavia, British Isles, part of Northern Europe and part of Russia; Northern Russia and the Arctic shoreline; Alaska and the Straits of Anian; Canada and Labrador.

The second circle extends to 21°N past the Tropic of Cancer, consisting of tavoli V-XII, including the Mediterranean lands; Greece, the Eastern Mediterranean and Arabia; the Caspian Sea, Arabian Gulf and Northern India; China; Japan; California and Mexico; Cuba, Florida and the Atlantic Seaboard as far as the Lake of Arcadia; the Açores.

The third circle extends 20° either side of the Equator and is in twelve sections comprising tavoli XII-XXIV, and includes Western Africa; the Benin coast of Africa extending to the Mountains of the Moon and the Ptolemaic Lakes; the East African coast as far as Madagascar; the southern part of India; East India, Ceylon and part of the East Indies Archipelago; part of the Malay Peninsula and the archipelago as far as New Guinea; two sheets covering part of the Southern Continent called 'Brasilgia' and the Southern Ocean; the south part of Mexico; the rest of Mexico and the Isthmus of Panama to Columbia; the West Indies, Brazil and Peru; Brazil and the Cabo Verde Islands.

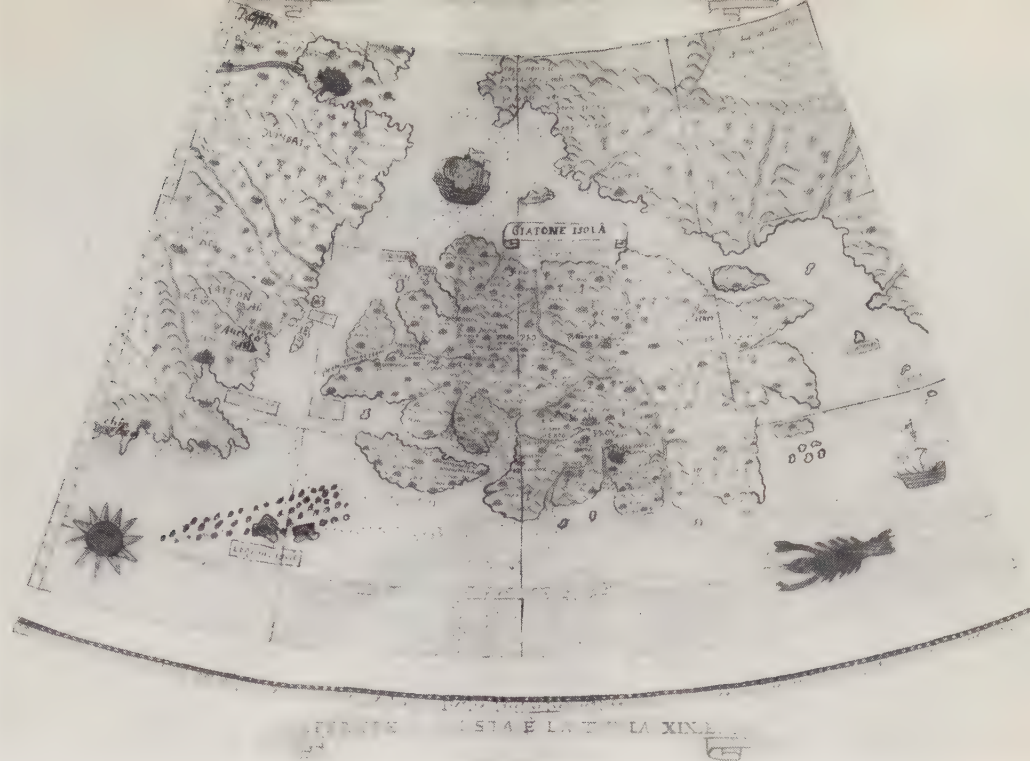
The fourth circle from 20°S to 60°S shows the coastlines of the Southern Continent and includes map sections of Southern Africa; South Eastern Africa and Southern Madagascar; the rest of South America and Tierra del Fuego; Uruguay.

The fifth and outermost circle extends from 61°S to 90°S in eighteen sections making up thirty six 10° cusps each converging at the South Pole corresponding to the points of a like number of globe gores. Running anti-clockwise the cusps contain descriptive notes on the major regions of the globe: the Moluccas, Borneo, l'Isola Zubut [Cebu, Phillipines], Japan, Quivira, Xalisco, Mexico, 'mare del cortese detto vermeo [Caribbean], l'Isole de la perle [West Indies], Yucatan, Florida, Hispaniola, Isole Leucaie [Bahamas], the coasts of Brazil, Straits of Magellan, Cuzco and Chile, Papayan, Quito, Spain, France, Low Countries, Germany, Italy, the Northern Regions, Muscovy, Mauritania, Egypt, Armenia, Palestine, Arabia, Scythia, Calicut, India, China, the Chinese Empire, Ceylon.



This map of the Northern Regions forms the first section of Monti's planisphere. It covers Northern Europe, Iceland, Greenland and the Polar Regions. (By courtesy of Sotheby's.)

This section of Monti's planisphere showing Japan is of great interest historically as the author made use of up to date information gathered from an embassy of Japanese nobles who visited Milano during 1585. (By courtesy of Sotheby's.)



The Individual Maps

Most of the individual map sections contain notes and comments by Monti on particular features of the regions shown and he includes drawings to illustrate these features. In Tartary we learn that there are demons who lead travellers astray. There are also sphinx-like animals with the head of a woman, the body of a lion and the tail of a scorpion! In the west of Canada are giants and in the Amazon regions of South America 'antropofagi' who eat human flesh. Liberally scattered over the face of the planisphere Monti has drawn ships of different types. In the area of the Açores, he shows the Armada of the King of a recently unified (1580) Spain and Portugal and in another area the ships of the King of China.

The basic manuscript of Monti's planisphere seems to have been compiled around 1587 according to the address on tavola XL. He notes 'fatto da Urbano Monte, l'ano 1587 Doppo la nativita di nostro signore' above a pendant portrait of himself. The overlay woodcut portrait is coloured on a silver painted ground and shows Monti aged 45. The portrait underneath shows him aged 43. It seems that the planisphere forms part of his work, *Trattato Universale* which was in four books of which the planisphere was meant to form Book 3..

A particularly intriguing feature of two of the individual maps, tavola XI and tavola XV are the faint traces of offsetting from printed 1589 versions although no copy of these has yet come to light. The offsetting on tavola XV seems to correspond to a printed sheet showing part of the modified projection; i.e. that with four large cusps illustrated by Almagià on page 161 of his article. There could be several reasons for this — possibly it was a method of revision or possibly the manuscript was resting on a printed version where the ink was still wet.

These features may point to the compilation and use of this manuscript between 1587 and 1604 with a view to publishing a corrected version, again in sixty four sections, of his planisphere of 1589. The one puzzling thing is that the existence of a woodcut portrait of Monti pasted over the portrait in manuscript made in 1587, may or may not point to a woodcut edition of the planisphere. The edition of 1604 which Almagià described in 1941 is printed from copper plates. The first state of the general 'index' chart of the whole world is dated 1603 while the modified projection which appeared in 1604 is cut from the same plate with the blank spaces between the four large cusps and the former outer ring now being filled with small texts and diagrams in manuscript. Oddly enough, although the modification makes more sense as a map projection (John Blagrave, among others had already devised a similar projection for his 'Nova Orbis Terrarum Descriptio' of 1596), Monti did not alter the shapes of the continents to conform to the revised projection south of the Equator. The sources that

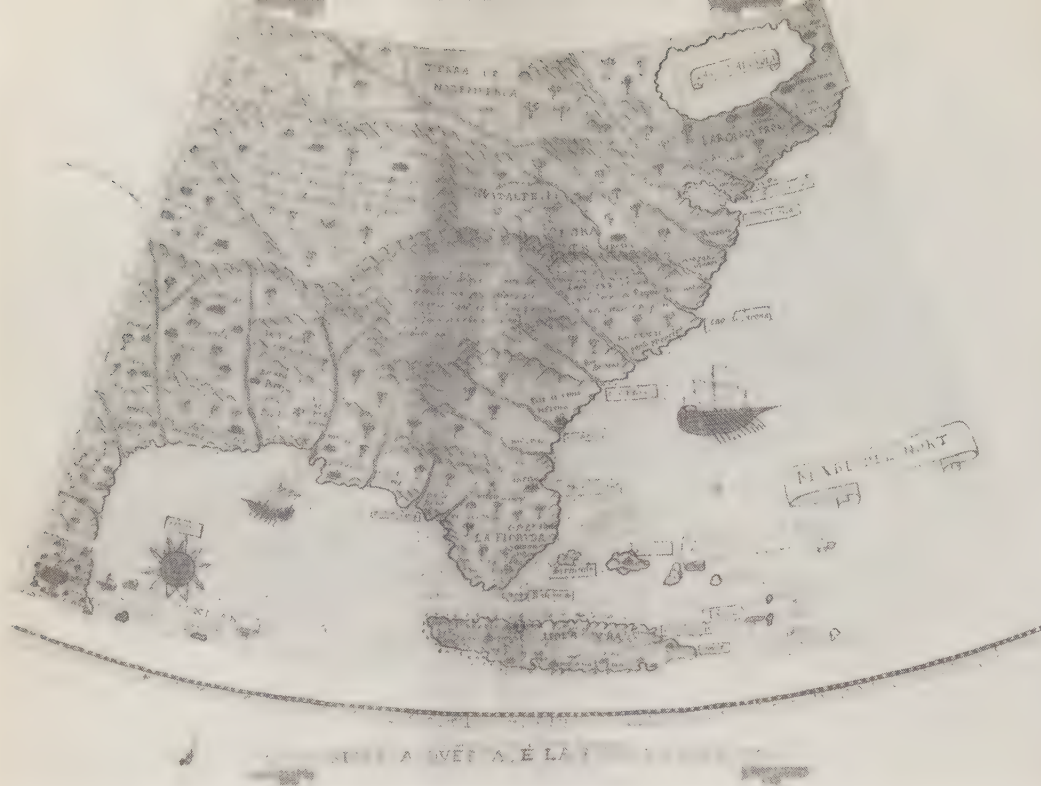
Monti claims to have used in the compilation of his work appear in tavola XXV. Among these are Alessandro Piccolomini, author of *De la sfera del mondo* (Venezia, 1540) and *Della grandezza della terra a dell'acqua* (Venezia, 1558); Pliny the Elder; Ptolemy; Herman Cortés; Fernando Columbus (son and biographer of Christopher); Juan González de Mendoza, whose history of China was translated into Italian and published at Venezia in 1586 and at Bologna in 1589; Giovanni Lorenzo d'Anania (1525-1602) of Calabria, author of *L'Universale fabrica del mondo* (1576) and Girolamo Girava, who lived in Milano during the 1560s and 70s and who published his *Cosmografia* in 1576. Also mentioned are the various Jesuit Relations, 'Lettres de Gesuiti'; Marco Polo and 'Paulo Veneto', who is none other than Marco Polo (it is strange that Monti made this mistake) and the cartographers Mercator, Gastaldi and Bishop Olaus Magnus, Paolo Giovio, Ferrante Lopez and the brothers Zeno.

Space and time did not allow a discussion of all of the map sections so just three regions have been chosen to illustrate the composition of Monti's planisphere; the Northern Regions, Japan and Florida.

The Northern Regions

The first section of the planisphere is Tavola Prima covering Northern Europe, Iceland, Greenland and the Polar regions within a 0°-90° quadrant. The British Isles is based largely on the outline given by Mercator on his 1569 world map but further eastwards in the Baltic regions there are some curious distortions of detail with Scandinavia drawn as if it consisted of three peninsulars trending north-south from 70°N. However, Monti presents a greatly extended Baltic coast to the south, distorted even allowing for the stretching effect of the stereographic projection, with the cities of Riga and Vilnius ('Vilna') shown at 65°N and 62°N respectively, both several degrees too far north. Both Mercator and Ortelius in their own maps showed this coast and the latitudes of these two cities more or less correctly. It seems likely that the geographical outline for Scandinavia and the Baltic was adapted from the map of the Zeno brothers Nicolo and Antonio, 'Septentrionalium Partium Nova Tabula', first published in 1558 in the work *Dei Commentarii del viaggio in Persia*, but reissued and more widely disseminated by its appearance in Venetian editions of Ptolemy between 1561 and 1574.

It shows the north coast of Scandinavia running east-west between 70° and 71°N, a feature copied by Monti. Further north, Monti's outlines correspond closely with both the Zeno and Mercator versions of Greenland and the four great islands around the North Pole itself. However, nowhere is there any real evidence to show that he used the map of Olaus Magnus, which, although it contained some fantasies, was by far the most accurate map of its



The planisphere section showing Florida which, curiously, gives several place names not found on other maps of the period although the geographical information was out of date. Note the two Venetian multi-oared sailing ships which do not appear on the printed version of this map. (By courtesy of Sotheby's.)

time and which provided both Mercator and Ortelius with geographical information. Perhaps Monti meant that he used Magnus once or twice removed.

The Polar regions are controversial and of considerable interest. The idea of the North Pole in the middle of a land locked sea was out of date even in Monti's day. It is shown like this on the Ruysch 1507 world map, and goes back at least to the late fourteenth century.

The inclusion of the discoveries of Willem Barentsz in the north of Russia in the White Sea and on the coasts of Novaya Zemlya in 1594-95, are copied on to Monti's manuscript both in Tavola Prima and on the general world chart. They also appear on the 1604 printed version. It is ironic that, while Monti (assuming that Monti himself made the revisions) accepted the discoveries of Barentsz, erasing part of the former coastline of Russia to draw in the White Sea 'Mare Album' and 'Nova Zemla', he did not at the same time amend the outlines of other parts of the north. Tavola prima is a curious mixture of the old and the new geography in the late sixteenth-century.

Japan

The planisphere covering Japan and parts of the coasts of China and the American northwest is found in tavola IX. This section is of great interest historically for it appears that Monti was able to make use of up to date information gathered from an embassy of Japanese nobles who visited Milano during 1585. This was in addition to the well known accounts of Marco Polo and possibly the account of Juan Gonzales de Mendoza, whose description of China and the East was translated and published in Italy as *Istoria della China* (Venezia 1586) and *Il Gran Regno Della China* (Bologna 1589). Another possible source is the earliest known European printed map of Japan, by Renward Cysat 'Der groszen, nam hafften, newwlicher-funden Iapponischen Insel' (Freyburg 1586), which may have been known to Monti in its original Italian form. The general location and area of Japan is greatly emphasised in scale filling almost all of the north part of the Pacific between China and North America. To the north the Strait of Anian, unnamed, separates Asia from America after the Zaltieri map of North America (Venezia 1566), and the regional map by Paolo Furlani (Venezia 1574). It may be that Monti wanted to demonstrate the importance of Japan in the field of Jesuit missionary activities since the first approaches by the 'Apostle of Japan', St Francis Xavier in 1549. Certainly, his map presents far more information in the form of place feature names than is to be found on contemporary works. This may be the reason why Piccaglia printed this section, albeit slightly modified, as a separate map in woodcut (in haste?) in 1589. The woodcut of 1589 is slightly smaller than the copper printed planisphere section of

1604, encompassing 28° to 41° North and from 191° to 215° of longitude, in contrast to the 21° to 50° N and 181° to 220° longitude of both the manuscript and copper printed versions.

The fact that the general outline of the country on Monti's map is less accurate than known contemporary manuscripts or later printed versions is of lesser importance than the fact that he presented information not otherwise available. Since the source of this information was the Jesuit Fathers and the official embassy from Japan it is likely that Monti considered this information beyond reproach. This planisphere section may be a revised version of an earlier section on which the 1589 woodcut printing was based.

Florida

This section, Tavola XI, relates to Florida extending from Arcadia and Norumbego in Canada to Mexico City in the south, from 20°N to 50°N and from 271° to 310°. The sources of the geographical information are obscure but one could be Girolamo Girava's *Cosmografica* of 1576.

A curious aspect of this map is that it shows several place names that are not found on other maps of the period even though the geographical outline is obsolete. Perhaps the intention was to present newer information without making a complete redraft of the map. For example, the manuscript shows along the Gulf coast the name 'rio de flores' and 'rio secco' on the Atlantic coast. Also 'c.s. Helena', 'Capo de Lerena' and 'rio san lorenzo', none of which appear on the printed map. It also seems strange that Monti did not use Mercator's more accurate depiction of this coastline. Of course, scholarly mapmakers of these days were extremely conservative in their acceptance of new information. One other unusual feature is the little scrolls or labels containing the coastal and feature names. These are not engraved on the printed version. Also, the manuscript has two Venetian multi-oared sailing ships which do not appear on the printed version.

NB. My thanks are due to the manuscript department at Sotheby's, Tony Campbell and Rodney Shirley for the use of material relating to Monti's work.

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- Keuning, J. 'The history of geographical map projections until 1600' in *Imago Mundi* XII, 1955, pp. 1-9 esp.
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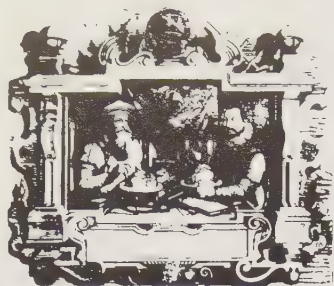
A fine decorative celestial globe, the first made by Guillaume de L'Isle working from his Paris address "Rue des Cannettes Faubourg St Germain pres de Saint Sulpice" in 1700



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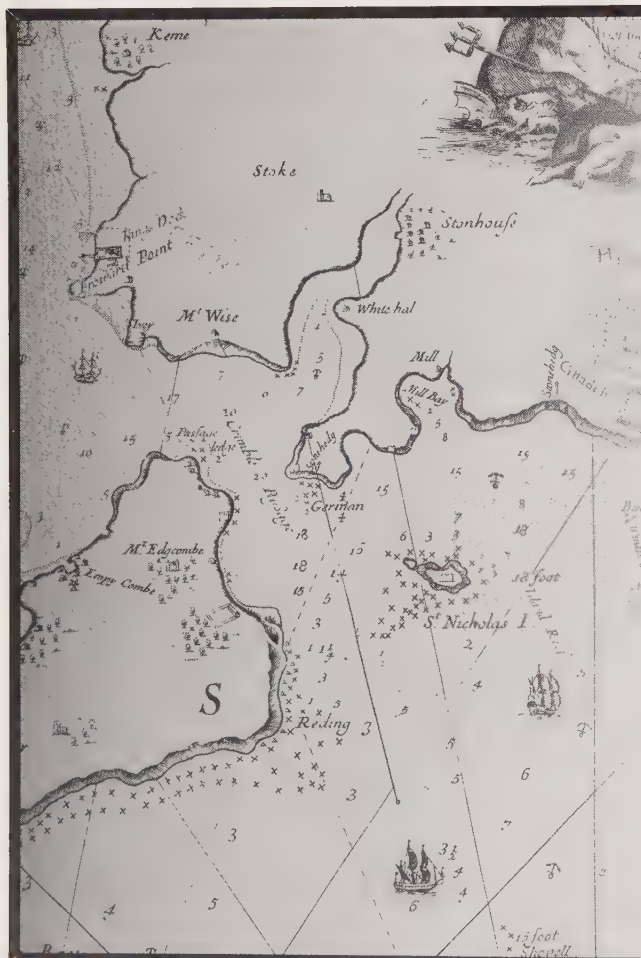


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A Beginner's Guide to Information

by Heather Lawrence.

This useful checklist of reference books for collectors of county maps has been compiled by Heather Lawrence, author of the recently published book, 'Christopher Saxton: Elizabethan Mapmaker.' Heather lives in West Yorkshire and is a keen map collector as well as President of Wakefield Historical Society.

MUCH OF THE enjoyment of collecting maps is the search for information into their background and origins. Select any map from your collection and ask yourself what you know about it. Who engraved it? Who carried out the original survey and why? Was the published map original in content or copied from an earlier source? Was it part of an atlas? How was it physically made?

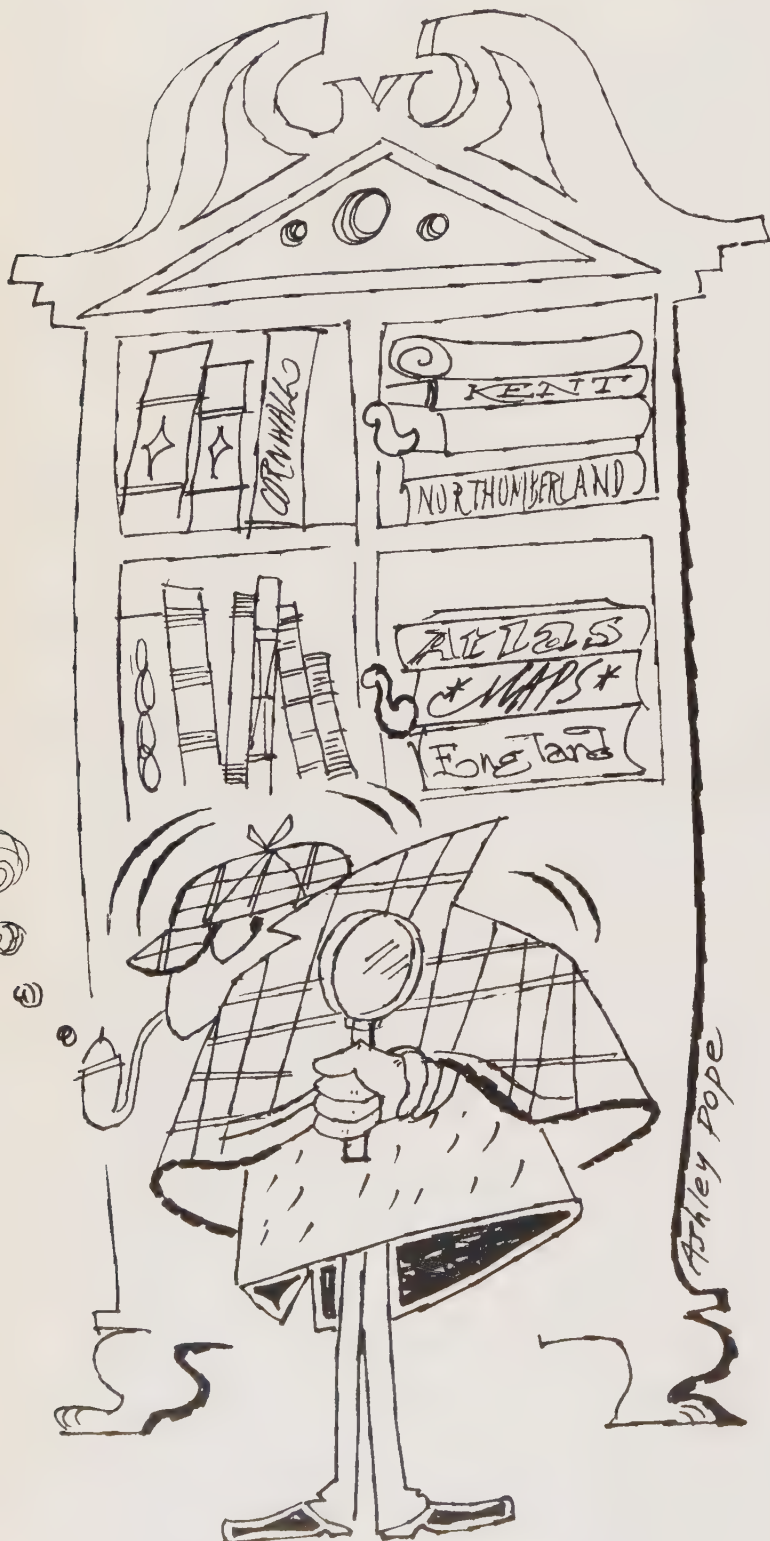
These and many more questions remain unanswered by just looking at a map from the aesthetic point of view. The more you know about the history of maps the more fascinating they become. However, the quest for this information can be rather daunting to the novice. *Nil desperandum!* Even the most erudite academics had to begin at the beginning and it is simply a question of determination and time that can lead any one of us to many of the answers. How does one begin?

Firstly join a good library and start reading and gathering information from the published material available. While it would be impossible to give all recommended sources in one short article I have listed here those which will show the way and should answer most of your queries.

If the search concerns what the majority of British map collectors are interested in — county maps — the first sources to consult are the bibliographies of county maps: Thomas Chubb's *The Printed Maps in the Atlas of Great Britain and Ireland* and R.A. Skelton's *County Atlases of the British Isles 1579-1703*, (both recently reprinted). The latter also contains an appendix on the London map-trade before 1700. Perhaps simpler to follow, particularly if your interest lies in an individual county, are the descriptive lists of particular county maps, published as monographs. These include those on Gloucestershire, Norfolk, Somerset and Wiltshire by Thomas Chubb; Cheshire, Lancashire, Northamptonshire, Northumberland and Yorkshire by Harold Whitaker; followed by Gordon Wyatt's *Maps of Bucks*, R.C.E. Quixley's *Antique Maps of Cornwall and the Isles of Scilly*, D. Hodson's *Printed Maps of Hertfordshire*, Basil L. Gimson and Percy Russell's *Leicestershire Maps: a brief survey*, G.C. Cowling's *Descriptive List of the Printed Maps of Shropshire*, H.A. Sharp's *An Historical Catalogue of Surrey Maps* and the excellent *Printed Maps of Warwickshire* by P.D.A. Harvey and Harry Thorpe, which has an introduction well worth reading by those interested in any aspect of the mapping of the English counties. Unfortunately not all counties are so described but a number of lists have been printed in local Archaeological or Historical Society Journals, e.g. for Nottingham by F.A. Wadsworth in the *Transactions of the Thoroton Society*, Vol. 34, 1931, for Cambridge by Sir H.G. Fordham in *Proceedings of the Cambridge Antiquarian Society*, Nos. XLV and L, 1905 & 1908, for the Lake District as 'The Chorography, or a descriptive Catalogue of the Printed Maps, of Cumberland and Westmorland' by J.F. Curwen in *Transactions of the Cumberland and Westmorland Antiquarian & Archaeological Society*, New Series 18, 1918, and for Hertfordshire by Sir H.G. Fordham in the *Transactions Hertfordshire Natural History Society*, 1901-3-5 and 1907.

Unfortunately the maps of the individual Scottish and Welsh counties have received comparatively little attention. *The Early Maps of Scotland to 1850* edited by D.G. Moir is the basic tool for Scottish maps and for individual counties *The Early Printed Maps of Dumfriesshire and Galloway* by Jeffrey C. Stone in *The Transactions of the Dumfriesshire & Galloway Natural History Society*, 3rd Series, Vol. 44, 1967 and *Old Caithness Maps and Mapmakers* by John Mowat may be relevant.

For the Welsh counties one should consult the all embracing



SEARCH CONCERNS COUNTY MAPS...

'Maps of Wales and Welsh Cartographers' by Olwen Carado Evans, published as Part 13 of the *Map Collectors Circle* series. Maps of Cardigan are listed in *Ceredigion, Journal of the Cardiganshire Antiquarian Society*, Vol. 2, 1955, those of Merioneth in the *Journal of the Merioneth Historical and Record Society*, Vol. 1, 1951, and those of Radnorshire in *The Printed Maps of Radnorshire*, all by M. Gwyneth Lewis.

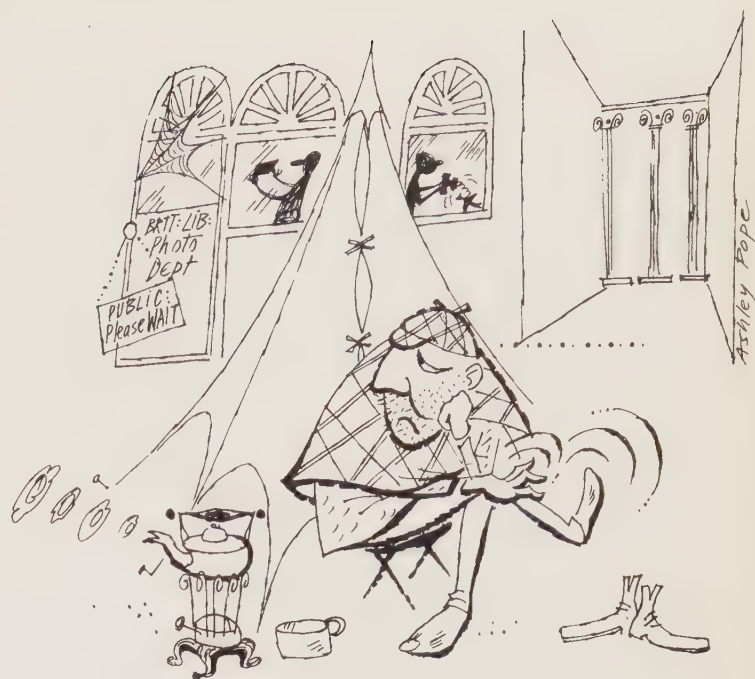
Finally in this category Elizabeth M. Rodger's *The Large Scale County Maps of the British Isles 1596-1850: A Union List*, published by the Bodleian Library, details larger scale county maps which were published separately and not included in a general atlas. Holding libraries are noted where copies of individual maps may be found, and there is a useful introduction.

To investigate the personalities involved in the production of any map a good starting point is the *Dictionary of National Biography* available in most reference libraries. This includes most of the better known names and details much of their personal life and work. A two volume micrographic reprint edition is also available within reach of the interested general reader. Further sources are listed which are probably not immediately available in the library, but can be ordered through the inter-library lending service. Incidentally, by using this service — if one supplies the exact details of pages required from an early volume unsuitable for loan from elsewhere, or even the pages of a particular article from a journal, one can find photocopies are supplied — conveniently obviating the need to make notes! Cartographic Dictionaries giving the bare outlines of dates and locations are obvious tools. The mammoth *Dictionary of Mapmakers* by R.V. Tooley primarily covers individuals involved in the printed map 'trade', and *The Dictionary of Land Surveyors and Local Cartographers of Great Britain & Ireland 1550-1850*, edited by Peter Eden in four parts, lists basically those involved in preparing manuscript and large-scale maps.

Biographies specifically relating to individual mapmakers are few — a gap waiting to be filled. Noteworthy amongst those published are *John Cary ...* by Sir H.G. Fordham; *Christopher Saxton: Elizabethan Mapmaker* by Ifor M. Evans and Heather Lawrence, *Christopher Greenwood County Map-Maker* by J.B. Harley, and *John Ogilby ...* by K.S. van Eerde. Some books on particular maps also contain fairly detailed biographical notes, e.g. C. Koeman's *Joan Blaeu and his Grand Atlas*, A.S. Osley's *Mercator...*, which contains an outline of Mercator's life though basically a study of the lettering of maps in the 16th century Netherlands, or William Ravenhill's superbly produced *John Norden's Manuscript Maps of Cornwall*.

The next step could be to consult the catalogues of the national libraries and institutions, commencing with the *Catalogue of Printed Maps, Charts and Plans in the British Museum*, (and supplement) and the *British Museum Catalogue of Printed Books*, both available in good reference libraries, but with too many volumes to loan from elsewhere. If they are not to be found in your own library, the librarian should be able to inform you where they are available. The former details all the printed maps in the British Library, as it is now called, listed under both name of cartographer and name of county, or whatever. The cross referencing is not perfect so it is advisable to check both entries. As the Map Library at the British Library hold standard editions of atlases, many early proof copies and several maps of great importance being the only known copy, the descriptive catalogue is of immense value in itself. Anyone may request photographic copies of maps at a reasonable charge, simply apply to the photographic department with the reference number found in the catalogue, stating the type of copy required, if suitable. Be prepared for a long wait! Personal visits to the British Library are only possible (as to the Public Record Office and the Bodleian Library) by holders of a pass which is generally only issued to those wishing to inspect material not available elsewhere. A pass may be obtained on application if accompanied by a letter of recommendation from a suitable person such as your local archivist or chief librarian. Manuscript material is housed separately in the Manuscript Department, for which yet a further 'pass' is required.

The *British Museum Catalogue of Printed Books* is, of course, the standard reference tool listing almost every book ever printed and includes all modern British works, as a copy of every book published has to be deposited with the library under the Copyright



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Act. Under the same Act books are also deposited with the libraries of the Universities of Oxford and Cambridge, the National Library of Scotland and Trinity College, Dublin. Look in the *Catalogue* not only for the mapmaker or whatever is the subject of your search, but under the names of familiar cartographic historians known to be concerned with your 'subject', e.g. Lynam, Skelton, Fordham, Harley, Heawood, Taylor, Harvey — and names mentioned elsewhere, all of whom have contributed considerably to our present knowledge of early cartography.

Catalogues of other libraries which have considerable collections are worth inspection, particularly the Bodleian Library, Cambridge University Library and The Royal Geographical Society. Falling also in this category is the *Maps and Plans in the Public Record Office, Vol. 1, British Isles* which details over 4000 maps in their custody, together with an index of engravers, publishers and surveyors. The majority of the maps at the P.R.O. are, however, not county maps but on a larger scale compiled for litigation or concerning parliamentary affairs.

Some Universities and several County Record Offices, Museums and Libraries hold particularly good collections of county maps which may be seen on application. The outstanding collections are those donated by earlier collectors such as Harold Whitaker who gave his collection to Leeds University, see *The Harold Whitaker Collection of County Atlases, Road-Books & Maps Presented to the University of Leeds*, and his contemporary Dr Eric Gardner, much of whose collection was donated to the Guildford Museum. Local collections of note can also be found in the University Library, Durham, see *Maps of Durham 1576-1872 in the University Library Durham* by Ruth M. Turner; the G.E.H. Allen Collection in the Lancashire Record Office; the County Record Office, Huntingdon, see *Maps in the County Record Office, Huntingdon* by P.G.M. Dickinson, and at the Essex Record Office, listed by F.G. Emmison in *County Maps of Essex*.

The *Map Collector* is obviously of great value and completely up to date with its book reviews and articles reporting current research. In the same category lies the regrettably discontinued series of the *Map Collectors Circle* publications which were issued in 110 parts between 1963 and 1975. Several of these have since been reprinted as monographs by the Holland Press Cartographica, and others. *Imago Mundi*, the Journal of the International Society for the history of Cartography is a scholarly publication issued annually to members and of very high standard, but unfortunately the only publication my library tells me is not available through the inter-library loan system. The Society has issued several excellent supplements, such as the facsimile (with introduction) of Saxton's Wall Map. Enquiries should be

addressed c/o Lympe Castle, Kent.

Other journals occasionally publish articles of considerable interest to the cartographic historian (as you will by now have become), but which require some perseverance in searching out. Examine the publications of the local County Record Office or Archaeological Society, e.g. The *Yorkshire Archaeological Society Journal* who recently published 'Saxton's Apprenticeship: John Rudd, a Yorkshire Cartographer', by David Marcombe, a most important discovery hidden away from the obvious 'cartographic' world, or *Devon and Cornwall Notes and Queries* who published 'Proposals for County Maps of Cornwall (1699) and Devon (1700)', by Harley & Ravenhill. The *Geographical Journal* is a continuing source with articles by Fordham and Heawood in the 1920s, followed by Edward Lynam, R.A. Skelton, G.R. Crone, E.G.R. Taylor and others recording, amongst other things, newly 'discovered' maps of significance. The *British Museum Quarterly*, *The British Library Journal*, *The Cartographic Journal*, *Economic History Review*, *Antiquity* and the *Geographical Magazine* all contain interesting items from time to time.

Early topographies and bibliographies are a delight in themselves. Richard Gough's *British Topography* published in two volumes in 1782 must be the classic — as Gwyn Walters wrote 'the first comprehensive inventory of British maps and associated topographical literature'. Today we owe a considerable debt to the eighteenth century antiquaries and bibliomaniacs: their published works and catalogues make fascinating reading e.g. *The Diary of Humfrey Wanley 1715-1726* by C.E. and R.C. Wright, Wanley being librarian to the Harleys whose library now forms a considerable portion of the British Library. Throughout these tomes are scattered innumerable footnotes referring one to the next exciting source — and back to the library request cards! These are some topographical bibliographies available, perhaps the most popular, though often criticised, is by W.T. Lowndes, see the revised edition by Henry C. Bohn in four volumes, 1859, which gives collations and prices.

To distinguish the method by which a particular map was made, the classic must be the collected essays of some of our most scholarly writers published as *Five Centuries of Map Printing* edited by David Woodward and based on lectures given at the Newberry Library in 1972. The essays describe the relationship between the map printer and cartographer, and the methods of printing used, from woodcuts to offset lithography.

In being specific in recommending source material one must not neglect the general essays which can put the map, or mapmaker, in place in the development of cartography. There are so many that it is difficult to be selective, but a must is Edward Lynam's *The Mapmaker's Art* which contains essays on ornament, writing and symbols on maps; Flemish map engravers in England in the sixteenth century; English Maps and Mapmakers in the sixteenth century, and much more. Likewise his *British Maps and Mapmakers* is still valuable. R.V. Tooley's ever popular *Maps and*

Mapmakers contains a mass of relevant information for the county map collector and J.B. Harley's *Maps for the Local Historian A Guide to British Sources* is a favourite of mine. Victor Morgan's essay 'The Cartographic Image of "The Country" in Early Modern England', *Transactions of the Royal Historical Society 5th Series*, Vol. 29, 1979, puts the county map into perspective in an historical context, and A.W. Richeson's *English Land Measuring to 1800, Instruments and Practices* explains how it was all done! Sarah Tyacke's *London Map-sellers 1660-1720*, being a collection of advertisements for maps placed in the *London Gazette* from 1668 to 1720, together with biographical notes on the map-sellers, is invaluable for tracing proposed, new and continuing projects during that period. And J.B. Harley in 'The re-mapping of England, 1750-1800', *Imago Mundi* Vol. XIX (1965), discusses the upsurge in cartographic activity immediately prior to the Ordnance Survey. The philosophy of the mapmaker's art is treated by P.D.A. Harvey in his recent work *Topographical Maps*.

One should also include catalogues in the quest for knowledge. Firstly, exhibition catalogues, e.g. Sarah Tyacke and John Huddy's *Christopher Saxton and Tudor Map-making* published to accompany the excellent exhibition still on view at the British Museum (and well worth a visit); secondly, catalogues of auction sales, produced by the major salerooms; thirdly, those of map dealers whose detailed descriptions are worthy of filing for reference, most of whose names you will find advertising in this magazine; and fourthly, the catalogues of reprints and facsimiles of early maps and books. Specialists in this latter field are Nico Israel, publishing under the style of Theatrum Orbis Terrarum in Amsterdam, who have reprinted a considerable number of early books and maps no longer available or within the price range of most of us. Important articles and research notes by earlier authorities are reproduced annually in the Series *Acta Cartographica*. Similarly exciting is *The English Experience*, a descriptive catalogue of reprints of 964 books printed in England before 1640, including such gems as John Norden's *The Surveyors Dialogue* (1618) and Valentine Leigh's *The Most Profitable Science of Surueying* (1577).

Also worth remembering is that many of the most important atlas productions of the sixteenth and seventeenth century have been reproduced in facsimile and have very valuable introductory essays by leading authorities in the map world. Many also contain biographical and bibliographical information not to be found elsewhere.

As a footnote to my suggestions, which have involved the enquirer in a lonely task, may I stress that personal communication and discussion between kindred spirits remains one of the best (and most enjoyable) means of unveiling hidden mysteries. Try joining the newly formed International Map Collectors Society, or even form a local group, to find your research assistant — or soul mate! But, above all, get to know your subject thoroughly.



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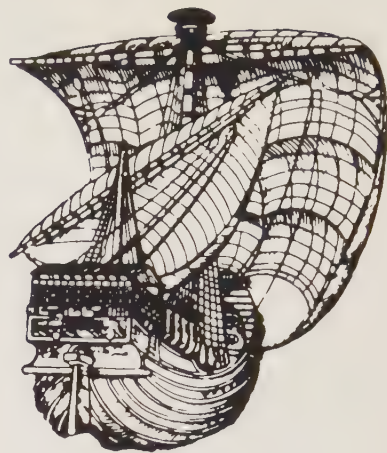
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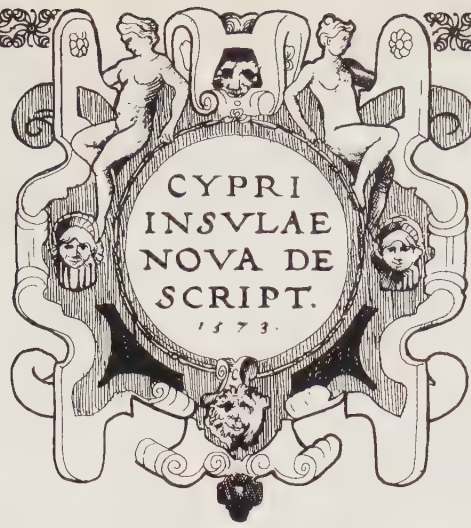
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The Map Treasures of the Huntington Library

by Carey S. Bliss (*Curator of Rare Books*)

This is the second part of our series on treasure house libraries defined as 'libraries having a separate entity with their own budget, governing or advisory board and staff. They were usually founded by collectors to contain source materials on a specific area or period of knowledge. They are non-circulating libraries for a restricted clientele; readers are screened before admittance; materials are kept in locked cases and are not classified by the usual elaborate systems. They have been given distinguishing symbols by the library world itself, and they are seldom administered by graduates of library science schools. They are older libraries, for the most part established by nineteenth century fortunes and early twentieth century philanthropy.' (Howard H. Peckham, a past Director of the William L. Clements Library.)

THE HUNTINGTON LIBRARY, Art Gallery and Botanical Gardens in San Marino, California, was founded as a research centre in 1927 after the death of Henry E. Huntington. The manuscript and rare book collections are centred around the study of English and American history and literature up to the late nineteenth century.

The Library is set in 210 acres of land in San Marino, about thirteen miles north east of Los Angeles. It was a gift to the state and receives no state aid so all expenses are paid for out of income from the endowment and some grants-in-aid. There are three divisions of the institution run by a librarian, a curator of the art collection and a curator of the botanical gardens. A five-man self-perpetuating Board of Trustees oversees the foundation which is headed by a director.

Since the Library was founded as a research centre for Anglo-Saxon culture, the map collections naturally reflect this theme. That is not to say that great continental atlases are not present because they are, but not in as many editions and variants as at a library slanted more towards continental history and literature.


Approximately 4,350 single maps are recorded in the official catalogue and another 189 maps are awaiting cataloguing. A strict count of the early atlases in the collection would be impossible to record because some of them are included amongst our incunabula holdings, some in our continental imprints collection and others amongst the early Americana but a rough guess would be around 500 atlases printed before 1800.

A quick rundown of some of the great geographers and atlas makers reveals that the Huntington holdings are quite respectable. Of the editions of Claudius Ptolemaeus' *Cosmographia*, the Library has thirty-six editions dating from 1475 to 1700. Stevens bibliography lists 58 editions before 1700. Included in this group is the 1482 Ulm edition, the first atlas with woodcut maps.¹ There are eight editions of Sebastian Münster's *Cosmographia Universalis* dated before 1630.


The atlases of Abraham Ortelius stand or lie in splendour on the Library shelves, many of them in contemporary vellum bindings with contemporary hand-coloured maps. Twelve editions of various Ortelius atlases date from 1470 to 1603.²

The atlases of the Amsterdam family of Blaeus are present in respectable numbers including *Le Grand Atlas* in 12 volumes of 1663 and the *Grooten Atlas* of 1642-1665, 9 volumes extending to 11 with the addition of many rare Dutch maps and views. William Blaeu is also represented by a beautiful celestial globe of 1602 and a large handsome terrestrial globe of 1617 (incidentally, the Blaeu terrestrial globe is the first dated map or globe to show Manhattan as an island). While on the subject of globes, the Library also has, on permanent exhibit, a matched pair of celestial and terrestrial globes made by Jodocus Hondius in Amsterdam in 1600.

Still on the subject of globes, one must not forget the rare little three-inch terrestrial globe made and sold by the London printer and publisher Joseph Moxon between 1672 and 1679. Only one



The attractive façade of the Huntington Library and Art Gallery situated in 210 acres of grounds in San Marino, California.



The main exhibition gallery where long and short term exhibitions are held often drawn entirely from the Huntington's extensive collections.



The Reference Reading Room of the Huntington Library.

other copy of this portable pocket globe is known to exist. On it California is carefully shown as an island which in Moxon's words 'was formerly thought to be a part of the mainland.' The globe fits into a leather carrying case which, when opened, reveals the two halves, 'concave hemispheres of the starry orb.' In a pamphlet by Roger Palmer, Earl of Castlemaine, entitled *The English Globe*, London, 1679, published by Joseph Moxon, there is a description of this three-inch globe. In the introduction in Moxon's own words, 'I brought his Lordship one of my 3 Inch Terrestrial Globes with the Stars described in the inside of its Case.'

One small nineteenth century globe deserves mention here. It was made and sold by N. Lane in London who flourished at the end of the eighteenth and beginning of the nineteenth centuries. It is labelled 'Lane's improved globe' and is also a three-inch globe which fits into a round black leather case the inside of which is decorated with a celestial orb. America is fairly well defined. The Louisiana Territory and California are briefly outlined. A terse statement on the globe near the Sandwich Islands says that Captain James Cook was killed here in 1773.

The Dutch geographer and atlas publisher, Jan Jansson, is represented by four atlases dated between 1647 and 1662, including his great atlas of 1650 the *Novus Atlas* of 11 volumes. The later Dutch atlas publisher, Nikolaas Visscher is represented by four early eighteenth century atlases. Two editions of Georg Braun *Civitates Orbis Terrarum* are present in the Library, the

first edition of 1593 and the expanded edition of 1612-17. Last, but certainly not least, of the early great Dutch geographers to be mentioned here is Gerardus Mercator. His name has become a part of map technology and because several of his atlases were in English, he is more familiar to many of us. The Library has seven Mercator atlases dating from 1595 to 1637, including two copies of the 1636 atlas printed in Amsterdam but in English, and one copy of each of the London 1635 and 1637 atlases.

The French geographer, Jacques Nicolas Bellin is represented by four eighteenth century atlases. One separate French atlas that should be mentioned is a fine tall copy with contemporary colouring of *Le Neptune Francois*, Paris, 1702. This is the edition with the full page plates of various types of contemporary ships issued with the maps.

Nearly all of the important English atlases published before 1640 are in the Huntington Library in one or more editions. One of the earliest is Christopher Saxton's atlas of county maps of England and Wales, London, 1579. We have two separate issues of this scarce compilation, one of them covered in a beautiful presentation binding with an inscription from the author to the Earl of Ellesmere.

Lucas J. Waghenaer's *Mariners Mirrour*, [London, 1588] is present, as are four editions of William Camden's *Britannia*, dated 1607, 1610 (two copies), 1626 and 1637. John Speed's great work, *The Theatre of the Empire of Great Britaine*, with its sixty seven

maps of England, Scotland and Ireland, is here in the first edition of 1611-12 and the reprint of 1679.

The Huntington Library is not quite as strong in its holdings of English atlases in the later part of the seventeenth century. Moses Pitt's large, four volume *English Atlas*, Oxford, 1680-83, is present in two copies, one coloured, one uncoloured, but the Library only has the third edition dated 1693 of Robert Morden's four edition *Geography rectified*. Possibly a unique curiosity of this period is a collection of playing cards with small engraved maps showing English and Latin place names, pasted on cards 4½ inches high by 3 inches wide. There are forty eight cards in a set, sixteen each of America, Asia and Africa. They have been tentatively dated c1680.

The English eighteenth and early nineteenth century atlases are fairly well represented. The five fat octavo volumes of the *Atlas Geographus*, with its wordy text and folding maps, published in the Savoy 1711-17, is present in a contemporary binding. Quickly, in chronological order, one can find John Senex, *New general atlas*, London, 1721; Edward Wells, *A new sett of maps*, two editions about 1730 and 1750; Herman Holl, *Atlas Minor*, 1736; Alexander Dalrymple, *A Collection of charts, plans or ports, views, etc.*, 4 volumes, London, 1771-96; and two editions of Thomas Kitchin's *A general atlas*, 1768 and 1771.

The American Revolution is well represented in atlases. William Faden's *Atlas of battles of the American Revolution* is present in the re-issue of the original maps with the 1845 title page. We also have many separate maps removed from the original edition of 1793. Thomas Jeffrey's *American Atlas* of 1776 is present as are other later compilations including the second and best edition also [1776].

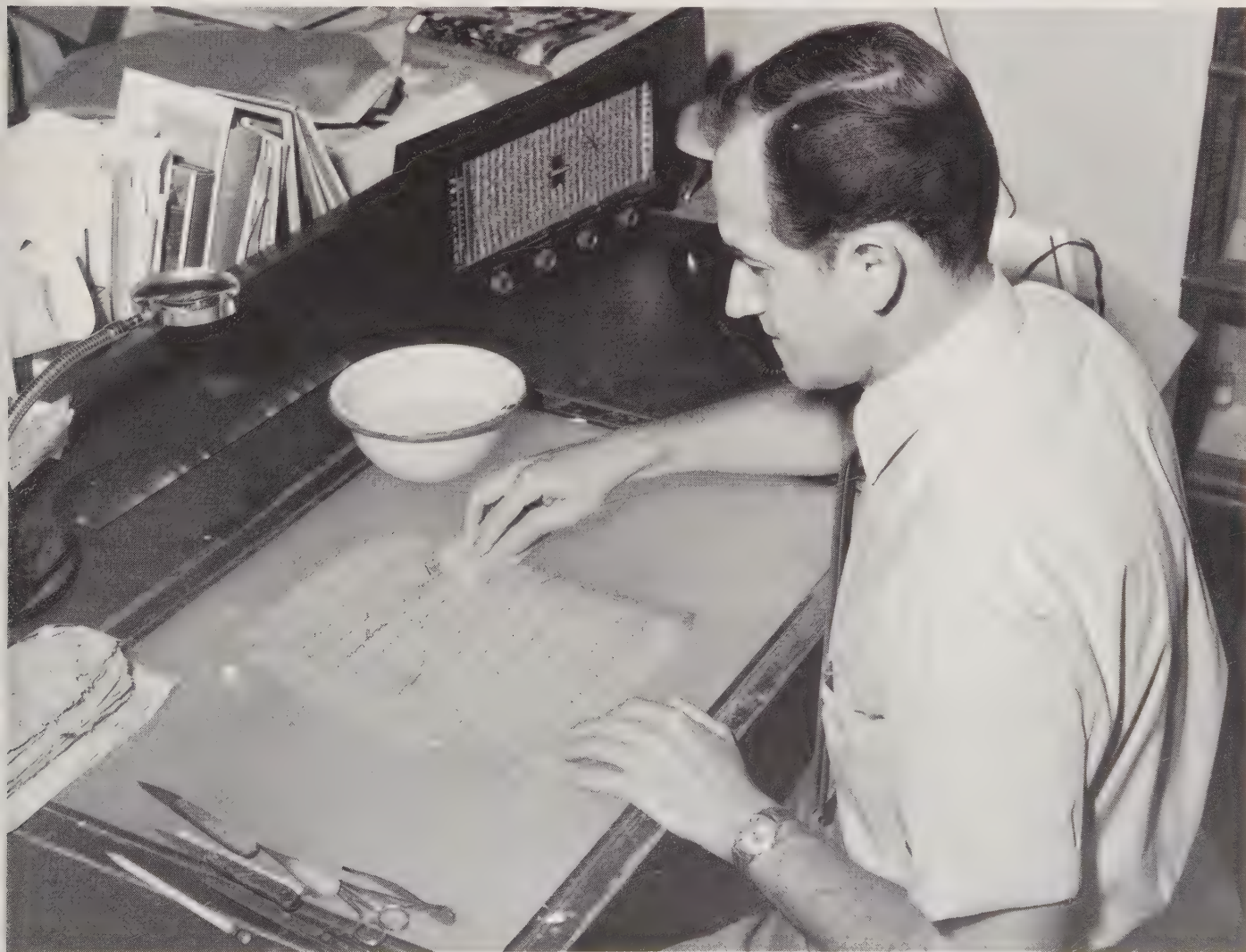
But the grandest and most noble of them all, and my personal favourite, is the elephant folio *Atlantic Neptune*, compiled by Frederick Wallet Des Barres and published for the use of the

Royal Navy of Great Britain in London in 1780. Several years ago I was given the task of collating the Huntington copy of this work with a description of another copy offered by Quaritch in London. I came away starry-eyed after viewing the magnificent charts and views of the coast and cities from Nova Scotia to Havana. The work contains 139 charts, plans and views of much of this area with fine large aquatint views of New York, Boston, Havana, Halifax, Quebec and Louisbourg showing how they looked during the Revolution. The work was published at the expense of the Royal Navy and apparently no money was spared in its production. Incidentally, after collating the Huntington set, I discovered that practically no two sets are exactly the same, one reason being that naval ships on various stations would need certain maps more than others.

Now to American printed maps where there was definitely a beginning, as the first map printed in America states in the legend. This is the woodcut map which appears in William Hubbard's *A narrative of the troubles with the Indians in New-England*, Boston, John Foster, 1677. The map which was apparently cut by the printer, John Foster, covers the coast of New England and perhaps 150 miles inland from the Kennebec river in Maine to the Connecticut river and New Haven on the south. The legend is remarkable for its honesty and candour: 'A Map of New England, / Being the first that ever was her cut, and done by / the best Pattern that could be had, which being in / some places defective, it made the other less exact, / yet doth it sufficiently shew the Seituation of / the Country, and conveniently well / distance of Places, ...' It might have been a good thing if later American cartographers had taken heed of this remarkable statement and perhaps tried as diligently to prepare accurate maps.

One who did, however, was Lewis Evans whose map of Pennsylvania, New Jersey, New York and Delaware was first published in Philadelphia in 1749. It was truly a remarkable

Ronald Tank, one of the Library staff, showing the delicate operation of manuscript conservation.





The Huntington Library is proud to own this rare three inch globe. It was made and sold by the London printer and publisher, Joseph Moxon, between 1672 and 1679. Only one other copy of this portable pocket globe is known to exist. It shows California as an island which in Moxon's words 'was formerly thought to be part of the mainland.' The globe fits into a leather carrying case which, when opened reveals the two halves, 'concave hemispheres of the starry orb.'

The title page of a pamphlet entitled 'The English Globe' published in London by Joseph Moxon in which there is a description of the three-inch globe. An extract reads: 'Waiting upon my Lord (he is referring to the Earl of Castlemaine who apparently invented the globe) in the beginning of Anno 1672, at his then arrival into England, I brought his Lordship (knowing that anything new and ingenious would be acceptable to him) one of my 3 inch terrestrial Globes, with the stars described in the inside of its Case, which when his Lordship had considered and bin inform'd by me, that its only Use was to keep in memory the Situation of Countries, and Order of the Constellations and particular Stars, He intimated, that certainly much more might be done by it, and so returning beyond Seafell upon this excellent work.'

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norable, the *Earl of Castlemaine*.

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al Society, and Hydrographer to his most Excellent
Majesty.

Fundati TERRAM super STABILITATE sua. Plal. 104. 5.

LONDON.

Printed for *Joseph Moxon*, at the Sign of *Atlas* on *Ludgate*
Hill, 1679.

production for one man. The Huntington Library has the 1749 edition and the 1755 Philadelphia and London revised edition plus the eighteen variants and piracies issued between 1755 and 1814. The whole story is told in Henry Stevens' excellent essay on Lewis Evans and his map, published in London in 1920.

A second great landmark map of the eighteenth century American frontier was John Filson's *Map of Kentucke*, engraved at Philadelphia in 1784 to accompany his *Discovery, settlement, and present state of Kentucke*, Wilmington (Del.), 1784. The early history of Kentucky is recorded in remarkable detail on this map. The Library has not only the printed map but also the original manuscript map from which the engraving was made.

All of the important eighteenth and early nineteenth century accounts of discovery and voyages in the American hemisphere are present with their atlas volumes. I refer, of course, to Captain James Cook, Vancouver, Duflot de Mofras and other similar texts. Matthew Carey's *American pocket atlas*, Philadelphia, 1796, is present as well as various editions of Henry Schenk Tanner's atlases of the United States. Sadly, we have not got the Matthew Carey atlas of 1796, the first real atlas printed in the United States. We also have considerable gaps in our collections of atlases of the United States issued from about 1815 to 1860, but we have most of the various United States geographical surveys with their various large and small atlas volumes.

The United States publishing firms of Colton and Mitchell are both well represented by single maps as well as atlases. Phelps traveller's guides through the United States, issued during the 1850's and 60's with their folding maps, are present in many editions. To me they are especially tempting with their gilt morocco covers depicting contemporary steamboats and trains. In the same category, the Ensign and Thayer traveller's guides and maps of the same period can be found in quantity on the shelves.

The Library's greatest in depth holdings of nineteenth century American maps is California and the southwest. The California county atlases and the gold rush maps are present in quality and quantity. W.W. Robinson's *Maps of Los Angeles*, Los Angeles, 1966, list his opinion as to the 127 most important maps of Los Angeles, in manuscript or print, between 1849 and 1888. Fifty-five of those listed are located at the Huntington Library. Carl Wheat's monumental, six volume bibliography *Mapping the transmississippi west*, San Francisco, 1957-1963, has not been checked against our holdings but well over half of the titles recorded in that bibliography can be located in our map collections.

The Huntington Library's holdings of manuscript maps are described by Herbert C. Schulz, Norma B. Cuthbert and Haydee Noya, *Ten Centuries of Manuscripts on the Huntington Library*, San Marino, 1968.

Printed maps at the Huntington are under the care of the Curator of Rare Books. They are serviced to scholars in the Rare Book and Manuscript Reading Room in the same way that books and manuscripts are handled. Printed maps are catalogued under Library of Congress rules with the main entry being the cartographer. An added entry records the map by location and date. Two large collections of maps relating to America from the exploration period to the mid-nineteenth century remain uncatalogued although they were purchased in 1924 and 1927. Both lots were acquired *en bloc* from the Museum Book Store in London. The first lot was described in the Museum Book Store Catalogue No. 93, *Maps of America from 1550-1850*, 848 items; second lot Catalogue 105, *Maps of America from the 16th to the 19th centuries*, 1008 items. The maps are available in a separate card file and are called for by catalogue number and item number as listed in the sale.

The Library exhibition hall, art gallery and gardens are open free to the public from 1 to 4.30 p.m. Tuesday to Sunday except for the month of October when they are closed for maintenance. For scholars, the institution is open from 8.30 p.m. to 5 p.m. Monday to Saturday.

References

- 1 Michael Woodhull's copy with maps coloured in a contemporary hand.
- 2 We do lack, however, the 1573 edition called by R.V. Tooley, 'the first uniformly sized collection of maps of the countries of the world.' In a sense, the first modern atlas.



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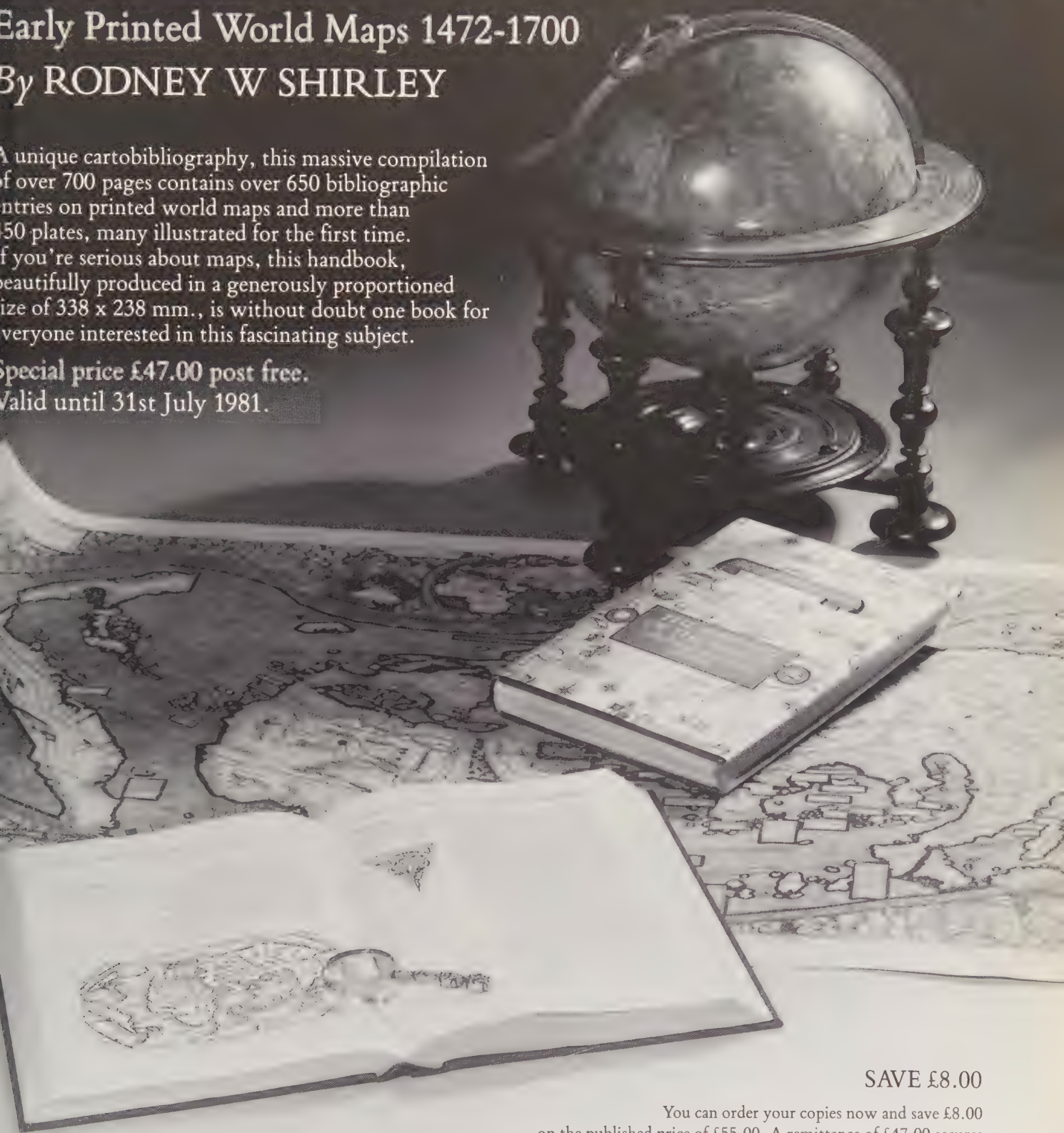
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IMCS Membership increasing

THE RECENTLY FORMED International Map Collectors' Society have increased their membership to 133 — seventy one members from the United Kingdom and sixty four from overseas — membership secretary Richard Davies reported at the Society's March meeting.

About twenty one members attended the meeting which was held at the Randolph Hotel in Oxford. Before the meeting members had the chance of visiting the Map Room of the Bodleian Library where the map librarian, Betty Fathers, showed them some items from the collection.

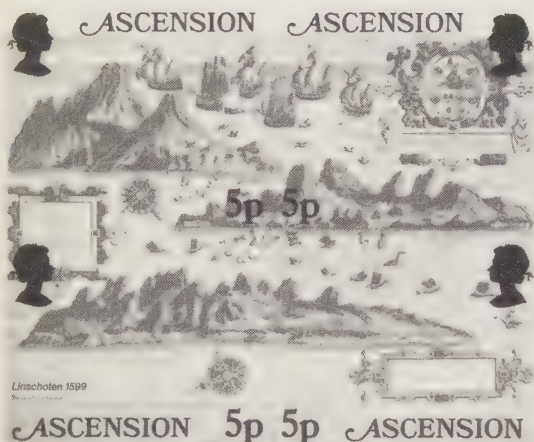
At the meeting later, Rodney Shirley, President of IMCS, said how much they had enjoyed the visit to the Bodleian. He also reported that invitations to the Advisory Council had been accepted by Sarah Tyacke of The British Library, J.B. Harley of Exeter University, Tony Campbell of Robert Douwma, Mireille Pastoureau of the Bibliothèque Nationale and Günter Schilder of Utrecht University.

John Leighfield, a keen collector of maps and plans of Oxford city and county, gave a talk and

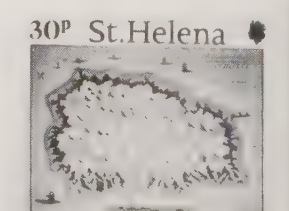
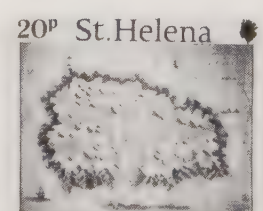
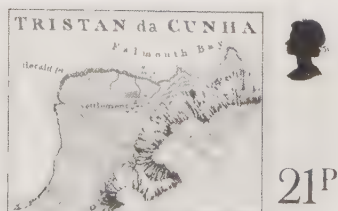
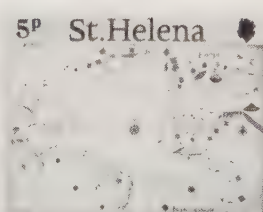
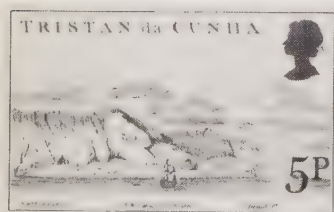
slide show entitled 'Oxford.' He explained that Christopher Saxon did not produce a map of Oxford on its own and that the first significant map of the county alone was the Hole map of 1607. He then went on to show slides of other maps of Oxford including the one by John Speed and those on playing cards. He also mentioned maps produced for children of Oxford, particularly one showing only rivers, and the large scale county maps of Oxford.

Yasha Beresiner, Editor of the Society's newsletter, thanked Mr Leighfield for his talk. One of the members, Paul Sabin, showed a map of Kent which he wanted help in identifying and also a pocket globe by George Newton, 1817, which was contained in a case resembling a cannonball.

Maps on Stamps



On the 22nd May four remote groups of islands issued these stamps showing early maps. The four issues, although individually designed, are linked by the use of official first day covers of the same size and design. The Ascension Island stamps were designed by Leslie Curtis and are all based on late eighteenth century, early nineteenth century maps. The Falkland Island stamps were adapted by Ian Strange from eighteenth century maps and are a set of six. The St. Helena set of four stamps were designed by Harrison & Sons together with the souvenir sheet of Gastaldi's famous map of Africa in the sixteenth century. The Tristan da Cunha set, designed by Leslie McCombie, are a set of three stamps with a souvenir sheet showing a map by J. van Keulen. (Photographs and information by courtesy of the Crown Agents Stamp Bureau.)



Around and About

NEWS



Congratulations to Yolande (formerly O'Donoghue) and Donald Hodson on the birth of their son Matthew on February 20. Yolande is a member of the staff of the map room at the British Library and Donald is a well known author on the subject of cartography.

Archival Aids, who provide specialised materials for map collectors and conservationists, report that they have now established a number of stockists throughout the country. Their products will now only be available from these stockists although they will be happy to answer technical queries at head office. Stockists are Atlantis Paper Company, F3 Warehouse, New Crane Wharf, Garnet Street, London E1 (Tel: 01-481 3784 Dave Brown); Falkiner Fine Papers Ltd., 4 Mart Street, Covent Garden, London WC2E 8DE (Tel: 01-240 2339 Mrs Falkiner); Framers Equipment Ltd., Sutton Road, Rochford, Essex SS4 1NA (Tel: 0702-547121 Ian Valentine) and Don Gresswell Ltd., Bridge House, Grange Park, London N21 1RB (Tel: 01-360 6620 Patrick Gresswell).

To mark the publication of the book, *The History of Cartography of Cyprus*, a lecture and exhibition of maps of Cyprus was given on May 14 under the auspices of the Greek Cypriot Brotherhood at their premises in Fitzroy Square, London. The lecture was given by one of the authors, Andreas Stylianou, FSA, and the exhibition of maps was arranged by A. Nicola. The other author of the book was Mr. Stylianou's wife, Judith. It represents over twenty years of research and collecting interest in the island of Cyprus. The book is a pioneering work which skilfully brings together previously widely scattered material and offers a unique collection of illustrations of maps of Cyprus.

Richard Billings of RFD No. 7, Spring Road, Augusta, Maine 04330, USA, is offering for sale copies of a 1757 French map locating ports around Lake Ontario which he found recently in the Canadian Archives. The copies are printed on parchment type paper, (size 17 x 22 ins) and cost \$2 each. For further details contact Mr. Billings direct.

Mapsellers sold

FOLLOWING OUR REPORT in the March issue that the future of Stanley Gibbons' Mapsellers was uncertain following a poor financial year, we are pleased to report that Mapsellers has been bought by two well known figures in the map world and its future looks considerably brighter.

Agreement in principle has been reached for Mapsellers to be acquired jointly by Bruce Marsden and David James of Norwich. Bruce has been the manager of Mapsellers for the past year so knows the business extremely well and he will combine his expertise in buying and selling with David James' expertise in the general field of collectables. They will start by selling maps and topographical material but hope to expand later

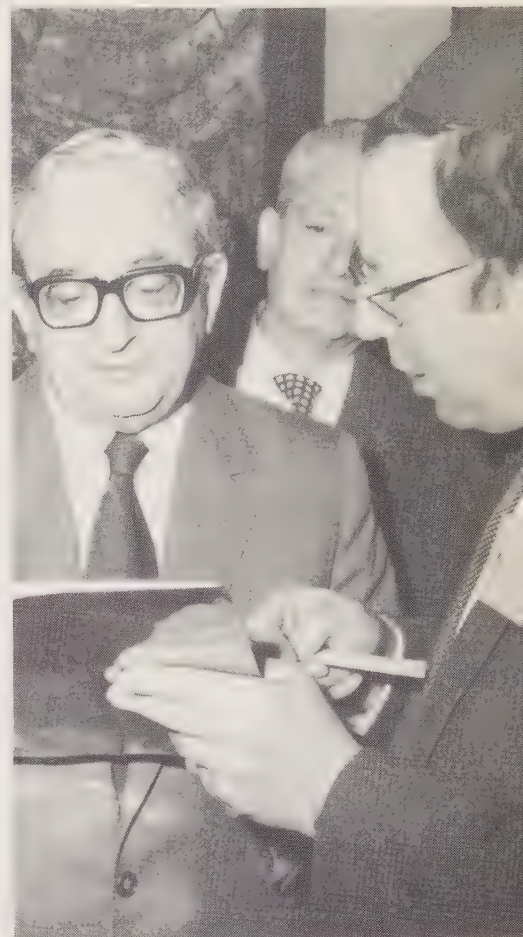
into other collecting fields.

The business will remain at 37 Southampton Street, off The Strand. David James' other businesses in Norwich and Bury will be unaffected.

Bruce told The Map Collector, 'I have known David for three or four years and we have got on well together both in business terms and personally. We feel that with our two different areas of expertise we should make a good team.'

Yasha Beresiner, who has just left as Director of Stanley Gibbons Antiquarian, is hoping to set up his own business dealing in the areas of books, maps, playing cards and currency.

President Navon of Israel (left) visited the stand of Holy Land Maps of London at the recent International Bookfair held in Jerusalem. Mr Hus (right) of Holy Land Maps presented the president with a plan of Jerusalem dating from the sixteenth century which will go into his private map collection. The stand was also visited by the Mayor of Jerusalem, the Defence Minister and the Minister of the Interior of Israel. Holy Land maps have also recently opened a map and print gallery in the New Shelton Hotel in Jerusalem.



Italian Exhibition showing in Florence

THE JOHN CARTER BROWN Library in Providence, Rhode Island, USA, has accepted an invitation from the Gabinetto G.P. Viesseux in Florence to take their exhibition *The Italians and the Creation of America* to Italy for a special showing from May 23rd to June 21st. This is the first time an exhibition relating to early modern Italian culture will have come from the United States to Italy.

The Gabinetto G.P. Viesseux is a circulating library founded in the early nineteenth century and is very similar to the Providence and Boston athenaeums. In addition to its library activities it sponsors a number of cultural activities such as conferences, a publication programme and exhibitions. The library and the exhibition gallery are in the Palazzo Strozzi which was built in the late fifteenth and early sixteenth centuries and is located in the centre of the old city of Florence.

Forthcoming Events

Several people have asked that we print a list of forthcoming events which we are happy to do with the co-operation of readers. Please send details of map society meetings, conferences, exhibitions, book fairs etc. to us for inclusion in this list in order to make it as comprehensive as possible.

May 30 - June 5, 1981

Ninth International Conference on the History of Cartography at Pisa, Florence and Rome.

Now until December 1981

Christopher Saxton and Tudor Map-Making Exhibition at The British Library, Great Russell Street, London WC1.

Now until September 1981

Treasures for the Nation; Friends of the National Libraries. Jubilee Exhibition at The British Library, Great Russell Street, London WC1.

June 1-3, 1981

Twelfth Toronto Antiquarian Book Fair, Sheraton Hall, Sheraton Centre Hotel, 123 Queen Street West, Toronto.

June 9, 10 and 11, 1981

The 23rd Antiquarian Book Fair at the Europa Hotel, Grosvenor Square, London W1.

June 12, 1981

'Crossroads of Empire: Early Maps of Texas and the Southwest 1513-1900'. Exhibition at the Amon Carter Museum, Fort Worth, Texas.

October 10/11, 1981

IMCS Symposium at Grosvenor Hotel, Victoria, London. Also annual dinner on the 10th.

October 13, 1981

AGM of Royal Scottish Geographical Society in their rooms at 10 Randolph Crescent, Edinburgh.



Part of the exhibition entitled 'Portraits of the World' held at the Sheldon Memorial Art Gallery in Lincoln, USA.



Three Centuries of World Maps

This fascinating map showing where the zeppelin and aeroplane bombs fell on London in the First World War has recently been acquired by the Guildhall Library, London.

THE Daily Mail MAP OF ZEPPELIN AND AEROPLANE BOMBS ON LONDON.



Reprinted from "The Daily Mail," January 31, 1919.

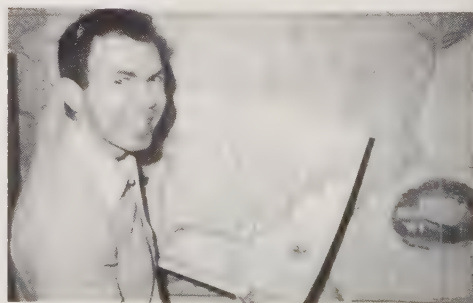
'PORTRAITS OF THE WORLD' was the title of a remarkable exhibition that closed recently at the Sheldon Memorial Art Gallery on the campus of the University of Nebraska at Lincoln, Nebraska.

The 'portraits' were rare world maps and globes published during the period of the great discoveries — the nearly three centuries that separated the efforts of Christopher Columbus and Captain James Cook. All of the maps were from the personal collection of Tom Murphy. Assisting in the exhibition and its illustrated catalogue was Karen Pearson, Associate Professor with the University's Geography Department. The earliest map shown was the 1493 Nuremberg Chronicle, the most modern maps were those commemorating Cook's Pacific voyages. Though nearly all world maps from that period are considered rare today, fully half the show's fifty eight items can be classed as 'extremely rare'. Included in this latter category were fine examples of previously unrecorded maps by such map makers as Arnoldi, Hondius, Boisseau, Overton and DuVal.

Putting the show together, says Tom Murphy, was a most satisfying experience, bringing to America and the Midwest a unique perspective of the earliest years of the New World, as portrayed by Europeans before the New World had its own map-making capability. Murphy began to collect world maps while living in Europe in the 1960's, and preparing for this exhibition and catalogue occupied his spare time since he transferred to New York from Paris in 1975. Recently Murphy moved from New York to be nearer another hobby, which is farming; his new address is Box 457, Western, Nebraska 68464.

According to Norman Geske, Director of Sheldon Gallery, the show provided the Gallery with a welcome opportunity to attract other disciplines into the broad world of art. Sales of scholarly, fully illustrated catalogue with 10 plates in colour, will be handled by the Gallery. Copies may be obtained by sending \$12 US (or equivalent) to Sheldon Memorial Art Gallery, University of Nebraska, Lincoln, Nebraska 68588.

Manuel Urrizola with two maps of the United States which come from the stock of his new business in Los Angeles. He will be dealing in rare maps and atlases with the emphasis on Americana.



A drawing of the attractive facade of a new shop being opened in the old town area of Menton, Southern France. The proprietor is David R. Lyon, who was until recently running the map department of Stanley Gibbons in Monaco. His new gallery, called La Galerie du Bastion, at 2 Rue du Bastion, Menton, will deal in old paintings, maps, prints, books and atlases. It is opposite a famous fort built in 1639 which now houses the Jean Cocteau Museum.





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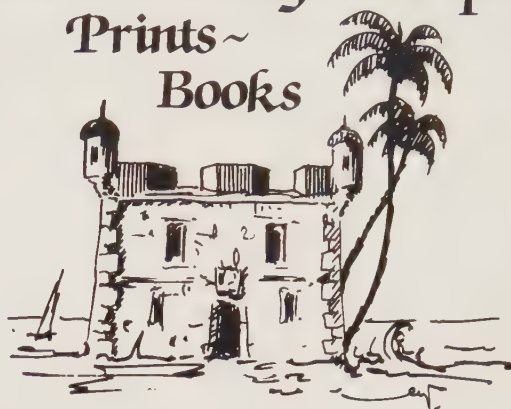
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"Meisner, Valletta c1623"



"Valegio, Tours, c1600"

THE COMPUTER IN CONTEMPORARY CARTOGRAPHY. Progress in Cartography, Volume 1. Edited by D.R. Fraser Taylor. Published by John Wiley and Sons, Chichester, New York, Brisbane and Toronto, 1980. Cloth pp. 252, illustrated, index. £15.00. ISBN 0 471 27699 5. **PRACTICAL MAP PRODUCTION** by John Loxton. Published by John Wiley and Sons, Chichester, New York, Brisbane and Toronto, 1980, pp. 137, illustrated, index. Cloth, £8.50; Paper £4.50. ISBN 0 471 27782 7.

It is debatable whether map collectors in the twenty first century and thereafter will be attracted by the hard-copy maps produced by computer-assisted technology during the 1960s and 1970s. Such maps lack the aesthetic appeal which we now find in a Speed, the association with exploration in remote and often dangerous lands of which an Arrowsmith reminds us, or the ability to portray real world landscapes as in a Braun city plan. Given the vast quantity and variety of such products, it is also debatable whether all but the earliest will ever acquire significant market values. What is certain, however, is that they will be of interest to professional historians; as sources of data, as indicators of changes in technology and as evidence of how man's cognition of earth space was modified by a new found ability to manipulate it at will. Given that computer technology will by then have changed almost beyond recognition, historians will need sources contemporary with the maps from which to derive an understanding of what determined their content and look. Taylor's book could well become one such source, in much the same way that the memoirs of d'Anville and Bellin now provide invaluable sources for understanding what determined the content and look of mid eighteenth century maps.

The thirteen contributors reflect the international, cross-disciplinary and both pure and applied status of the field. Based in five different countries (Canada, U.K., U.S.A., Norway and Sweden) they are associated with fields as diverse as photogrammetry, electrical engineering, geography, computing, geography and, of course, cartography.

Six hold academic appointments and the remainder are consultants or employed by government agencies. The book is sufficiently advanced and detailed in several areas (e.g. soil, geological and census mapping) to be of value to those who wish to employ the technology in the immediate future. Inevitably, these, and the chapters on equipment, techniques and topographical mapping, will rapidly become obsolete but they will remain of value as authoritative summaries of the state of development at a particular stage. According to Morrison, it is the stage at which 'most established cartographers, who once were reluctant to consider computer-assistance, began to accept computer replication of previously done manual map-making routines'. His chapter is an admirable review of the effects on cartography of the adoption of computer-assisted technology. Together with Rhind's chapter on 'The Nature of Computer-assisted Cartography' it provides the necessary background from which the uninitiated can gain a perspective on an exciting field as it moves from a vigorous and at times somewhat wayward youth into a respectable maturity. They may also prove to be the chapters to which future historians will refer in trying to understand what began to happen to cartography in the 1960s and 1970s.

Present and future readers will find the index helpful but regret the absence of a glossary to terms and abbreviations (In a random sample of ten pages the reviewer found eight different abbreviations, of which only two were included in the index). This, rather than mathematics (of which there is remarkably little) is what is most likely to restrict understanding. The sixty figures are for the most part clear but it is regrettable that the version of William Smith's 'The Strata of England' (1815) reproduced in the chapter on geological mapping is a modern redraft, which in many respects is closer to a computer-assisted product than to the elegant, hand-coloured original.

Taylor's book is the first in an occasional series entitled *Progress in Contemporary Cartography*. Loxton's *Practical Map Production*, though published by the same press, in a similar format and

at approximately the same date, is not included in that series. The decision not to include it was sensible in that the book is not a review of progress but a summary at an intermediate level of the practical procedures in map production from the point where 'the raw material of maps (control point lists, survey field sheets, photogrammetric plots, computer tapes etc.) is received in the cartographic office'. Based on an undergraduate lecture course at the University of Nairobi, it follows actual or recommended practice in Kenya. This, however, is not a disadvantage. There are chapters on map planning, drafting, reproduction, revision, computers and cartography and map records. The text is terse, overtly structured and can be used as a reference work. The index is particularly commendable. Most of the approximately five hundred entries refer to italicized items in the text, where the definitions are usually eminently clear. In this important respect it is superior to Taylor's book, where the need is arguably greater. These qualities, and the availability of a low-priced paper edition should make it a relatively popular textbook, especially in the developing English-speaking world.

G. Malcolm Lewis

THE STORY OF MAPS by Lloyd A. Brown. Published by Dover Publications, Inc., New York, 1979. xxii 397pp. 86 plates. (235 x 165mm) \$6.00. ISBN: 0-486-23873-3. Library of Congress Catalog Card Number: 79-52395. Published in Canada by General Publishing Company, Ltd., 30 Lesmill Road, Don Mills, Toronto, Ontario. Published in the United Kingdom by Constable and Company, Ltd., 10 Orange Street, London WC2H 7EG.

'This is the story of maps: the men who made them and the methods they employed, what can be found on them and the obvious ways by which the information required for their compilation was obtained. There is no other such chronicle in print.' When Lloyd A. Brown wrote these words, in 1949, in the Introduction to his *Story of Maps*, there was, indeed, no general work on the history of cartography, although the first edition of R.V. Tooley's *Maps and Map-Makers* was also published in that year. Bagrow's *Geschichte der Kartographie* was still two years in the future, and G.R. Crone's *Maps and Their Makers* was not to appear for more than a decade.

Written in an interesting and informative style, *The Story of Maps* was enthusiastically welcomed, particularly in the United States, and many Americans received from it their initial indoctrination into the history and evolution of map making. The *New York Herald-Tribune*, then one of that city's two major newspapers, featured historian Henry Steel Commager's review of *The Story of Maps* on the front page of its July 24, 1949 *Weekly Book Review*. In summarizing his evaluation of the book, Commager wrote: *The Story of Maps* felicitously marries scholarship to narrative and dramatic skill. Though Mr. Brown has deliberately omitted the familiar and exciting story of geographical exploration, he has managed to infuse this seemingly dull subject of cartography with interest, and he has done this without improper concessions to popularization.

James M. Darley, then Chief Cartographer, National Geographic Society, in a review in the *Washington Star*, observed that 'most text books on cartography begin with a few pages on early mapmakers and maps, but here is an entire volume, 397 well-documented pages devoted to the history of cartography and written in a manner to hold the interest of the map user as well as the map-maker.'

For more than three decades *The Story of Maps* has retained its popularity, and only occasionally do copies appear on the shelves of

Cartographical Curiosities 11



THIS EXAGGERATED POLITICAL satire shows the breaking up of Europe in the nineteenth century. It was probably issued between April 14 when Napoleon abdicated and June 4 1814, when Louis XVIII was proclaimed King, as they both appear. Napoleon, number 6, is seated and is vomiting his empire. His sword and epaulettes are on the ground beside him to show he has already abdicated. This print, which is a coloured engraving with all the figures numbered, reflects the uncertainty of the time about the re-arrangement of Europe. Number 1, Ferdinand VII of Spain, number 2, the King of Prussia and number 3, the Emperor of Austria, are the sovereigns gathering up the spoils of Europe. Louis XVIII is being handed the crown by Alexander and the Duke of Wellington, number 7, is supporting Napoleon. Another copy of this print can be seen in the British Museum Catalogue of Prints and Drawings, Political and Personal Satires, Volume 9, 1811-1900, no. 12248.



dealers in used books. Dover Publications have, therefore, published this paper back reprint edition, which includes all the text and illustrations contained in the original work. Reproductions of two charts from Lucas Jansz Waghenar's *Spiegel der Zeevaerdt* (1584), which were end paper illustrations in the 1949 edition, are here inserted following the Table of Contents. The 1526 map of Constantinople, which is a coloured frontispiece in the original edition, is in black and white in the Dover reprint. The six dollar price for the latter is a real bargain.

Lloyd Arnold Brown, the author of *The Story of Maps*, was born in Providence, Rhode Island May 5, 1907. Following graduation from the University of Michigan in 1933, Brown for two years was a partner in a rare book dealership. The depression years were unfavourable for small business of this type and, in 1935, Brown accepted appointment as Curator of Maps, William L. Clements Library, Ann Arbor. Here he worked for five years under the distinguished librarian and bibliophile, Randolph G. Adams. In the latter's absence, Brown served as Acting Director of the Clements Library in 1941.

During his six years at the Clements Library, Brown thoroughly immersed himself in the literature on the history of cartography. Also, in 1941, he published a small volume entitled *Notes on the Care and Cataloguing of Old Maps*. This useful manual has long been out of print, and like *The Story of Maps*, warrants reprinting.

In 1942 Brown was appointed Director of the Peabody Institute in Baltimore, Maryland, where he remained for some twelve years. It was in the early years of his tenure at Peabody that he prepared *The Story of Maps*. Also while in Baltimore, Brown, in collaboration with colleagues at the Walters Art Gallery, the John Work Garrett Library, and Johns Hopkins University, planned and arranged an outstanding exhibit of historical maps, entitled 'The World Encompassed' which was on view in the Baltimore Museum of Art from October 7 to November 23, 1952. The well-illustrated and descriptive catalogue of the exhibit, a classic work, is still available from the Walters Art Gallery. The Foreword notes that 'the task of selecting the maps to be shown has been a most difficult one, in the face of the riches of America in this field and the many collections to be visited. The major part of this responsibility has fallen to Lloyd A. Brown.'

Brown moved to Chicago in 1956 to the directorship of the Chicago Historical Society. His two years there were not particularly happy ones and he returned to Baltimore in 1958, where he continued his research and writing. The fruits of these efforts were *Map Making the Art that Became a Science*, a rewrite of *The Story of Maps* for younger readers, published by Little, Brown and Company, in 1960, and *Early Maps of the Ohio Valley, A selection of Maps, Plans and Views Made by Indians and Colonials from 1673 to 1783*, a 1959 publication of the University of Pittsburgh Press.

From 1960 to 1962 Brown served as Director of Research for Historic Annapolis, following which he was, for one year, Research Fellow at the John Carter Brown Library, in Providence. He returned, in 1963, to his first vocation, to become Curator of Maps at Wesleyan University, Middletown, Connecticut. Declining health limited professional research and writing during his last few years. Death came on March 31, 1966, short of his fifty-ninth birthday.

The several works on the history of Cartography, authored by Lloyd A. Brown, had a significant impact on the study of this discipline in the United States. Of his several publications, *The Story of Maps* is by far his most distinguished work. Among the treasured items in my library is

a personally autographed copy of this book, inscribed with the date, June 8, 1949.

Walter W. Ristow

THE SKY EXPLORED. CELESTIAL CARTOGRAPHY 1500-1800 by Deborah J. Warner. New York and Amsterdam, Alan R. Liss, Inc., and Theatrum Orbis Terrarum Ltd., 1979, pp xvii + 293, index, illustrated. \$70 ISBN 0-8451-1700-9 and 90 221 2003 1.

Deborah Warner, Curator of the History of Astronomy at the National Museum of History and Technology, Smithsonian Institution, Washington D.C., has made an authoritative contribution to a neglected branch of cartographic history. Celestial mapping, despite Basil Brown's pioneer *Astronomical Atlases, Maps, and Charts. An Historical and General Guide* (London, 1922), is usually mentioned only *en passant* in textbooks, yet it has always closely paralleled and interacted with the development of terrestrial cartography. The observation and recording of stars has roots in antiquity and the first important star catalogue was compiled by Ptolemy and included in the *Almagest*, written about 150 AD. However, although Classical and Islamic astronomers used globes and small pictures of individual constellations, they drew 'no flat maps covering large portions of the sky'. And while Chinese star maps date from at least the fourth century AD (and the oldest printed star map is a Chinese one of the eleventh century), star maps were not employed by European scientists until the Renaissance and they were probably 'invented' in the early-fifteenth century. The first important star map was that published by Albrecht Dürer in 1515 and this helps to define the beginning of the present catalogue. It ends around 1800. Celestial cartography did not cease at that date but it 'changed dramatically': star maps henceforth 'lost much of their charm and beauty', and, containing only austere star symbols and co-ordinates, they 'became functional tools of modern science'. Such is the rationale of the volume. Covering the classic ground of collectable maps and dealing only with printed examples, its aim is to make star maps 'intelligible to a wide audience'.

A short but pithy Introduction succeeds in conveying the richness of contemporary meanings which can be unravelled from celestial cartography. At one level it represents a documentary record of the history of scientific astronomy; maps and globes were graphic devices by which catalogue data could be charted and secondary observations later made from

their co-ordinates to fix positions of new stars. But at another level star maps reveal the heavens interpreted in the light of men's changing beliefs and pre-occupations on earth. Star positions were first located by constellations designed as legendary creatures and objects, and the pre-Christian imagery in Ptolemaic astronomy was transmitted into the Renaissance by Arabic and European intermediaries. During the religious wars of the Reformation and Counter-Reformation, however, astronomers attempted to 'de-paganize' the heavens. Spanish and Portuguese navigators, for example, developed the Southern Cross from stars at the hind feet of Centaurus; Petrus Plancius, a Dutch theologian and geographer, created Columba, Noah's dove, from six unformed stars of Canis Major; while Julius Schiller, a Catholic lawyer in Augsburg, purged the twelve signs of the zodiac by substituting the apostles. Not all these constellations were accepted and 'star wars' between astronomers were not solely the creation of modern science fiction. In the Age of Great Discoveries new themes had arisen with constellations modelled on New World animals, while other cartographers, in pursuit of enhanced patronage, flattered their masters with celestial immortality; thus Uranus, found by William Herschel in 1781, was known as Georgium Sidus. Similarly, during the Enlightenment, as technological values came to the fore, astronomers with a nice conceit conceived their instruments — quadrants, compasses and telescopes — as new constellations in the sky.

Apart from this symbolism — and like their terrestrial counterparts often from the same workshops — star maps reflect successive artistic periods. Celestial cartography if anything gave greater scope for decorative indulgence and Deborah Warner suggests that eight artistic traditions run through the maps of her period. These begin with the classical iconography of the Italian period, and range through a northern constellation style originating in Amsterdam around 1600 (with some figures appropriately dressed for a northern European winter), down to the art of the Baroque and Rococo phases. With some justification these tides of fashion can be viewed as part of a continuing celebration — in art, astrology, mythology and religion — of man's increasing awareness of the universe.

The main part of the book is a descriptive catalogue of flat star maps printed in Europe between 1500 and 1800. As a model of clarity and informativeness it is arranged alphabetically according to cartographer, and records the known maps of 268 named and a further seventeen anonymous celestial map-makers. Thus under any one name there may be several entries relating to different maps or editions, and the information is set out in a standard format and fully indexed. The work performs a signal service for not only are star maps widely scattered in libraries, museums and observatories around the world (making comparative study difficult), but they are also often buried in atlases amid terrestrial subjects, or are folded and put into rare books. Each entry includes a brief



Deborah Warner, author of *The Sky Explored. Celestial Cartography 1500-1800*, reviewed here by Dr Harley of Exeter University. Deborah is the curator of the History of Astronomy at the National Museum of American History, Smithsonian Institute, Washington DC.

biographical note on the cartographer, citing standard authorities, and a summary of information on stars, constellations and co-ordinates which may be embodied in a particular map. There is a great deal of unobtrusive scholarship scattered in these pages, and historians of cartography will find Deborah Warner's familiarity with the literature of the history of science a welcome adjunct to their own specialist reading. Not least there are illustrations of many of the maps, which are illustrated, either as a whole or in detail, and about 140 examples are integrated into the text entries.

The Sky Explored quickly whets the appetite to handle and study the originals. It also stirs a desire for a narrative history of celestial cartography from the same author's pen. This could widen into a consideration of Chinese, Islamic and other Asian mapping traditions, and it could also embrace the celestial cartography of pre-literate cultures, as well as some of the manuscript contributions excluded by the present treatment. Not all historians of cartography would agree that the smaller representations of single constellations in the pre-Renaissance period, lacking recognisable map projections and co-ordinates, were therefore 'pictures, not maps'. If such criteria were adopted there would be few medieval maps for anyone to study. But these are matters for future resolution in a more general synthesis. Meanwhile Deborah Warner and her publishers may be warmly thanked for this basic and workmanlike addition to our reference shelves.

J.B. Harley

EARLY PRINTED MAPS OF THE BRITISH ISLES A BIBLIOGRAPHY 1477-1650 by Rodney W. Shirley. Published by Holland Press Cartographica 5. London, 1980. Revised Edition. pp. xxv + 188 + 88 monochrome plates (250 x 190mm) £25.00. ISBN 0 900470 97 6.

The first printed map of the British Isles was published in the 1477 Bologna edition of Ptolemy's *Cosmographia*. Thereafter, for the period until the publication in 1650 of a reissue of C.J. Visscher's map of the British Isles, almost 700 separate printed maps in this geographical category have been identified by Rodney Shirley. It is a remarkable tally and before he began his researches no proper bibliography existed of such general maps. Most previous efforts of English carto-bibliographers had been directed towards county atlases and county maps; this volume breaks genuinely new ground by focussing on general maps of the British Isles and of England (but excluding separate maps of Wales, Scotland and Ireland).

Individual maps are listed chronologically. They are divided between five arbitrary periods — 1477-1555, 1556-1592, 1593-1610, 1611-1636, and 1637-1650 — and in the first entry for any map a full description accompanies a note of subsequent reissues. Later in the sequence these reissues have their own short entries, but on the thorny question of what constitutes an 'issue' or 'edition' Rodney Shirley is pragmatically circumspect. He concludes there can be 'no universal answer' and he has followed 'accepted or common-sense practice rather than be pedantic to the point of confusion'. While he suggests further versions could be identified by closer analysis — as of variations in the reverse text or printer's device — meanwhile he must be congratulated on a standard work of reference. For each map the cartographer is named, date and place of publication are given, dimensions are indicated in centimetres, while the parent publications to which the majority of these maps are related are also described. Details of

compilation and sources, of innovations in technique or geographical content, and of the secondary literature or library press mark (in the case of rare items) complete the standard entry. Eighty-eight full-page reproductions of maps illustrate the volume. They were judiciously chosen to include many miniature maps characteristic of the genre with the result that in many cases (though not invariably) their detail is legibly reproduced.

Collectors and dealers are doubtless well satisfied with this book, but historians of Renaissance cartography should be equally grateful. There has been a recent tendency to denigrate the contribution of bibliographers and collectors to the academic study of early maps (most forcibly in a review by Denis Wood in *Cartographica*, Vol. 17, 3, 1980, pp. 130-33). But perhaps blame should be laid elsewhere. While a few carto-bibliographers pursue their task with assiduous dedication, a larger number of cartographic historians have failed to recognise in these works a *raw material* as much as an end in itself. *Early printed maps of the British Isles* demonstrates this wider role and, even in his short Introduction, Rodney Shirley is able to derive some general conclusions. For example, he identifies four main streams of influence — the Ptolemaic, the Roman, the medieval land map and the Portolan — which begin to mingle in early printed cartography. Moreover, aided by some interesting genealogical charts, he suggests pathways through the bibliographical jungle where maps were freely printed, pirated, copied and renovated.

Yet there are also other historical questions raised by a scholarly bibliography of this nature. The first is the rate and routes by which cartographic trades were diffused to European cities and towns. By 1650 nearly thirty places could claim to have printed a map of the British Isles (but in Britain itself only London and Thetford — the latter with a sole map — were represented). A second is the growing ubiquity of such maps. They became an increasingly familiar type of image and the British Isles could be contemplated not only in the great wall maps of Mercator and Saxton and in standard folio atlases, but also at much smaller scales in geographies, travel books and technical treatises, on playing cards or woven into tapestries. As cartography was pressed into the service of other forms of art even a wrought iron plaque is encountered with a version of Ruscelli's map inlaid in gold and silver (p.xi). A third general problem could concern the effects on society of unprecedented exposure to so many maps. A classic theme of Renaissance history is the discovery of place and space. Perhaps it was not by accident that this period, with its invention of cartographic printing, saw the nation-state become an increasingly dominant form of political organisation. Space was power and knowledge of that space helped it to be controlled. Viewed thus Rodney Shirley has provided far more than a list of maps. His bibliography is a tool in cultural history enabling us to see how governments and people were helped to appreciate the meaning of units such as 'The British Isles' and 'England', and also demonstrating how maps helped to foster a greater national consciousness and sense of pride by the end of Elizabeth's reign.

A final word may be said about the history of the book. Like a number of other heavily-thumbed carto-bibliographies this one was weaned in the old *Map Collectors' Circle* with R.V. Tooley as midwife. At the time such serialisation may have frustrated those waiting for the next decade or the S to Z of the alphabet. In retrospect, however, the advantages of a step-by-step approach are clearer. In the First Edition of 1973 the original part publication was up-

dated. Seven years on in this Revised Edition there are a further seventeen pages of corrigenda and addenda. This material was fed back by collectors, dealers and librarians and it vindicates the decision to publish. Moreover, it underlines not only the continuing possibility of real discovery — the most notable addendum is the fourth copy of Mercator's great eight-sheet map of the British Isles dated 1564 — but also the place of collecting and carto-bibliography in expanding the research horizon of the history of cartography at large.

J.B. Harley

Catalogues Received

AUVERMANN & REISS KG, Zum Talblick 2, D-6246 Glashütten im Taunus, Federal Republic of Germany. Telephone: (061 74) 69 47. *Antiquariats Katalog 40 zur 20. Stuttgarter Antiquariatsmesse 1981. 200 Seltene Bücher und Karten*. pp [80], 200 entries, 39 illustrations plus 5 colour plates.

DAWSON RARE BOOKS, 16 & 17 Pall Mall, London SW1Y 5NB. Telephone: 01-930 2515. *Catalogue No. 283 Rare Books on Various Subjects*. Catalogue in eleven sections. pp 152, 763 entries, 8 illustrations, subject index.

RICHARD B. ARKWAY, INC. 131 Fifth Avenue at 20th Street, Suite 401, New York NY 10003, USA. Telephone: (212) 475-6777. *Special List February 1981 Rare Books*. pp 16, 121 entries, 1 illustration.

ERASMUS ANTIQUARIAAT EN BOEK-HANDEL, Spui 2, 1000 GG Amsterdam, The Netherlands. Telephone: (010) 22 91 47. *Katalog 342. 750 Bücher des 16-19. Jahrhunderts*. Catalogue in four sections. pp 64, 332 entries, 17 illustrations, subject index.

LIBRARIE PAUL JAMMES, 3 rue Goulin, F-75006 Paris, France. Telephone (1) 326.47.71. *Livres Anciens & Modernes. Catalogue 238*. Catalogue in five sections. pp 71, 1150 entries, subject index.

R.V. TOOLEY LTD, 33 Museum Street, London WC1A 1LH. Telephone: 01-631 1632. *Greenlist No. 6 — February 1981*. General list of recent requisitions compiled by J.J.S. Goss. pp 16, 91 entries.

LIBRERIA GIOVANNI VALLERI, Via Ricasoli 68r, I-50121 Firenze, Italy. Telephone: (055) 296.192. *Catalogo N.53. Marzo 1981*. General catalogue in twelve sections. pp 48, 1042 entries, subject index.

LIBRERIA DANTE, Via Ricasoli 49, I-50122 Firenze, Italy. Telephone: (055) 21.24.33. *Callaogae Nuova Serie N.36 di Libri Antichi e Moderni di Arte, Folclore, Letteratura, Scienze, Storia*. pp 48, 871 entries.

NEIL MCKINNON LIMITED, P.O. Box 847, Timaru, New Zealand. Telephone: 81-931. *Antique Maps, Books and Old Sea Charts. March 1981*. General listing of maps and charts. pp [4], 84 entries.

J. ALAN HULME, 54 Lower Bridge Street, Chester. Telephone: (0244) 44006. *A Selection of Decorative Maps of the British Isles 1981*. pp [12], 127 entries, 27 illustrations.

CHRISTIAN M. NEBEHAY GmbH, Annagasse 18, A-1015 Wien, Austria. Telephone: (0222) 52 18 01. *Katalog 71. Mannskript & Alte Drucke. Bücher 17-19. Jahrhundert. Festings- und Schachtenpläne des 18. Jahrhunderts*. Catalogue including a section of fortification and battle plans of the eighteenth-century. pp 56, 77 items, 28 illustrations, including 2 in colour.

A.J. COOMBES, c/o 12 Horsham Road, Dorking, Surrey RH4 2JL. Telephone: (073 784) 2533. *Catalogue 76. Ordnance Survey Maps and Plans 1805-1974*. Catalogue of Ordnance Survey Maps



and Plans in scale and sheet order. pp 54, 2377 entries.

FINDEN S.A., Via Volta I, CH-6830 Chiasso, Switzerland. Telephone: 091 445687. *Catalogue Number Three A Selection of 230 Antique Maps by Hondius Jansonius Mercator*. pp 30, 230 entries, 16 illustrations.

DAMMS ANTIKVARIAT A/S, Bokhuset, Eckersbergsgate 14, Oslo 2, Norway. Telephone 56 45 33. *Catalogue 613. Geography. Travel and Exploration Rare maps and Atlases*. Catalogue in nine sections, including Marine, Europe, Africa, Far East, Americana, The Northern Hemisphere, Atlases, Maps and Views, Additions. pp 118, 840 entries, 18 illustrations, including 1 in colour, subject index.

ANTIQUARIAAT G.J. BESTEBREURTJE, Zinniastraat 38, 3434-HD Nieuwegein-Zuid, The Netherlands. Telephone: 03402-40941. *Catalogue 2. April 1981. Voyages, Travels, Expeditions, Maritime and Military history*. Catalogue in six sections. pp 40, 684 entries, 10 illustrations, subject index.

LIBRARIE SIMONSON S.A., Avenue des Arts 20-B.13, B-1040 Bruxelles, Belgium. Telephone: 02/230.92.01. *Catalogue N.428 Printemps 1981. Beaux Livres Anciens et Modernes*. pp [56], 579 entries, 3 illustrations.

LIBRERIA GIOVANNI VALLERI, Via Ricasoli 68r, I-50121 Firenze, Italy. Telephone: (055) 296.192. *Catalogue N.54. Aprile 1981*. General catalogue in twelve sections. pp 48, 1028 entries, subject index.

HENRY STEVENS, SON & STILES, 4 Upper Church Lane, Farnham, Surrey GU9 7PW. Telephone: (0252) 715416. *Catalogue Americana 91*. Catalogue of books, maps and atlases relating to the Americas. pp 52, 323 entries.

BOW WINDOWS BOOK SHOP, 128 High Street, Lewes, East Sussex BN7 1XL. Telephone: (079 16) 2839. *Catalogue Eighty-six*. General catalogue in twelve sections. pp 76, 653 entries, subject index.

PHILIP A. ROUSSEL, 19 Sheafe Street, Portsmouth NH 03801, USA. Telephone: (603) 431 5496. *Catalog 10. Early Maps and Atlases*. Catalogue of maps and atlases of all parts of the world in twelve sections. pp 82, 208 entries, 41 illustrations, subject index.

HARVEY W. BREWER, P.O. Box 322, Closter NJ 07624, USA. Telephone: (201) 768 4414. *Art Books for Artists, Librarians, Collectors. Catalogue 28, 1981*. pp 30, 355 entries, 7 illustrations.

JULIA HOLMES, Muirfield Place, Bunch Lane, Haslemere, Surrey GU27 2AE. Telephone: 2153. *Three centuries of Pictures of Hunting, Dogs &*

Sporing Life Published between 1683-1980. pp 41, 45 groups, 10 illustrations, subject index.

RUSSBOROUGH, P.O. Box 422, Station R, Toronto, Ontario, Canada M4G 4C3. Telephone: (416) 425 2457. *Catalogue Number Five - 1981. Antiquarian Maps and Manuscripts chiefly relating to Canada together with a selection of prints*. pp 40, 161 entries, 59 illustrations, subject index, list of references cited.

BODLEIAN LIBRARY — MAP SECTION. *Selected Map and Book Accessions No. 362 February 1981*. pp [7], 85 entries.

LETTERS TO EDITOR

Sir

I am assembling, as a personal effort, a history of Tobago both pictorial and factual. Towards this end, I am trying to collect maps of Tobago and would like to know if anyone has for sale any of the following which are missing from my collection.

Tobago, 1677, by Romeyn de Hooghe.

Tobago, 1679, 1683, 1688, by John Seller.

Tobago, 1690, by Christopher Browne.

Tobago, 1762, 1768, 1769, by Joshua Rhodes and Thomas Kitchin.

Tobago, 1832, by Jonathan Byres.

D.J. Phillips
Tobago Marketing Co. Ltd.
'Highmoor'
Plymouth Road
Scarborough
Tobago
W. Indies

Sir

Over the last ten years I have amassed a collection of several thousand old and rare maps and atlases.

Recently I established a dealership in Los Angeles for the purchase and sale of antiquarian maps and atlases. This, apparently, is the very first dealership in Los Angeles devoted solely to old maps and atlases. I thought that you would be interested to hear about it.

I am, of course, a subscriber to The Map Collector and please let me add how much I admire the painstaking work you have done in your invaluable reference books.

Manuel Urrizola
Old and Rare Maps and Atlases
136 S. Virgil Ave., No. 139
Los Angeles
CA 90004

Sir

A Jester's Puzzle
Who was Epichthonius Cosmopolites?

In the Bodleian Library, and in a few other institutions, is a rare copper-engraved world map forming the visor of a jester's head. It is often referred to as the 'Foolscap map' but the map maker remains a mystery. It must have been composed post-1587 as the prominent south-east bulge to the coastline of South America appearing on nearly all maps before this date has been corrected. Various dour epigrammatic phrases on the head-and-shoulders figure of the jester give no clue as to the source, author, or place of publication.

There is also an earlier and less-sophisticated foolscap map by the French publisher Jean Gourmont II. This is a woodcut dating from c.1575; the only known example (as far as I am aware) is in the Bibliothèque Nationale. Both this map and the copper-plate one have been linked with the name of Oronce Fine (1494-1555) but the evidence for this attribution (which can be pieced together from occasional references in the *Map Collector's Circle*, no. 34, Grenacher's article in *Imago Mundi* XIV, the British Library's exhibition catalogue *Cartographical Curiosities*,

Bagrow's *A. Ortelii Catalogus Cartographorum* and Gesner's *Pandectarum*) is far from convincing and often contradictory.

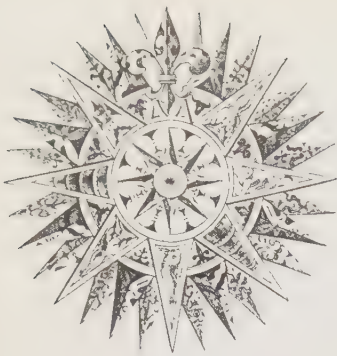
Recently I was reading part of Robert Burton's *Anatomy of Melancholy* and to my surprise came across the following quotation: 'Thou shalt soon perceive that all the world is mad, that it is melancholy, dotes: that it is (which Epichthonius Cosmopolites expressed not many years since in a map) made like a fool's head (with that motto, *Caput helleboro dignum*); ...'

Who then is Epichthonius Cosmopolites? Is this a pseudonym for some other person? What part did he play in designing the foolscap map?

The Map Collector have offered a prize of a year's free subscription for whoever, in their view, most completely unravels this mystery. Closing date for replies is September 1 and a further report will be printed in the December issue.

Rodney W. Shirley
Seer Green
Bucks





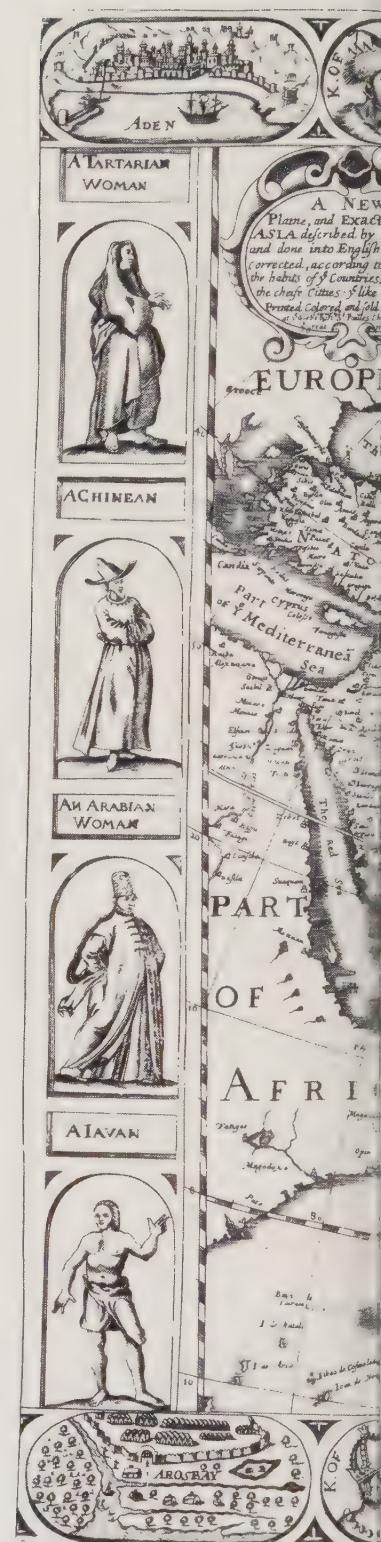
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The Four Continents

published by Robert Walton

These maps of the four continents form a rarely seen set by Robert Walton. They probably appeared originally in Peter Heylin's *Cosmographia*. Very little is known about Walton whose reputation as a mapmaker rests on these four maps. We do know he was a map and print seller and a printer, born 1618 and died 1688, who worked from various addresses in London including The Globe and Compasses in St. Paul's Churchyard. Like Peter Stent and other contemporaries he advertised engraved work of all kinds made from his own plates. In 1654 he employed Wenceslaus Hollar, the famous engraver, to work on a map of the British Isles. Most of Walton's map plates were copied from Speed, Visscher and Hondius. These maps are not dated but were probably issued c1666/1667.



The New World or America by Robert Walton.



Asia by Robert Walton. (By courtesy of John Webb.)



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Compiled by John Goss and Catherine Slowther

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 totals 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. The total realized for maps and atlases sold in auction reported in this issue amounted to £361,411.

Exchange rates used in this report: £1 = 10.3 kr £1 = 5.0 s £1 = 4.69DM

HARTUNG & KARL, MÜNCHEN, NOVEMBER 18-21 1980 (PREMIUM 15%)

1 Bunting, H. Itinerarium sacrae scripturae. Das ist: Ein Reisebuch über die ganze heilige Schrift. 4 Tle. Wittenb. (u. Magdeb.), Kirchner, 1588. 8 Bll., 258 SS., 10 (le. w.) Bll.; 38 SS., 1 w. Bll.; 3 Bll., 113 SS., 5 Bll. Reg.; 3 Bll., 29 SS., mit 12 (10 dplgr.) Holzschn.-Ktn. — II. Plinius Secundus, C. Des Weitberumbten ... Philosophi ... Bücher vnd Schriften, von Natur, art und eygenschafft aller Creaturen od. Geschöpfe Gottes. Ffm., Feyerabend, 1584. 6 Bll. mit Titvign., 374 (st. 388) SS., 8 Bll. mit viel. Textholzschn., meist v. J. Amman. — III. Herberstein, Sigm. v. Rerum Moscoviticarum commentarij ... Basel, Oporinus, (1556). 6 Bll. mit Druckern. u. blattgr. Portr. d. Zaren, 205 SS. mit 6 tls. blattgr. Holzschn., 2 dplgr. Ktn., 1 dplgr. Ans. v. Moskau, 1 gef. genealog. Holzschn.-Taf., 8 (st. 9) Bll. Reg. — Fol. Hschweinsldr. d. Zt. I. Graesse I, 572. — Frühe Ausgabe des beliebten, häufig aufgelegten Werkes. Unter d. Ktn. Weltkarte in Form e. Kleeblattes, Asien als Pegasus, Europa als Jungfrau, Palastina, Afrika, Ans. d. Tempels v. Jerusalem. Der le. Tl. »Erklärung des Buches Josua« nach Tl. 1 eingebd. — II. Graesse V, 343; Becker S. 46,7 — Unter d. Holzschn. befinden sich sämtl. Tierdarst. Ammans, ferner zahlr. Berufs- u. Trachtendarst. Hierbei sind die Gesichter häufig unkenntlich gemacht, meist durchlöcher. Es fehlen SS. 203-206 u. 233-238. Einige Bll. eingerissen. — III. Adelung, Reisen in Rußland, S. 106 ff. — Dritte Ausgabe. Der beste Bericht über d. alte Rußland. Mit d. schönen gr. Holzschn. d. Herberstein'schen Wappens auf Bl. 1² recto. Portr. d. Zaren im Gesicht u. Wappen mit kl. Fehlstelle. Die beiden Ktn. ausgefranst, u. leicht fleckig, je 1 Hälfte lose. Die gef. genealog. Taf. defekt, mit Bildverlust oben u. unten. Reg.-Bll. knitterig, das le. fehlt. — Vereinzelt fleckig, Unterstreichungen v. alter Hd. Einbd. mit starken Gebrauchsspuren u. Defekten, tls. durch Wurmfraß.

DM 10,000

2 Schedel, H. Liber chronicarum. Nbg., Koberger, 1493. Gr.-Fol. 20 unn. Bll., 296 (st. 299) unn. Bll., 1 (st. 6) unn. Bll. mit ca. 1800 Holzschn. von M. Wohlgemut u. W. Pleydenwurff. Holzdeckelbd. um 1500 mit blindgepr. braunem Ldr. Bez., Rücken im 19. Jhdt. erneuert. Hain 14508; BMC II, 437; Goff S 037; Schreiber 5205. — Erste latein. Ausgabe, ca. 1/2 Jahr vor der dt. Ausg. erschienen, auf kräftigerem Papier u. mit klareren Abdrucken der Holzschn. als letztere. — Schönes, besonders breitrandiges Expl. Tit. ob. beschm., im 19. Jhdt. aufgezogen u. im Falz verstärkt. Die ersten Bll. wurmstichig, die Initialen im Reg. in Rot u. Blau ausgemalt. Ränder meist nur leicht u. nur wenige Bll. am Anfang u. Schluß stärker fleckig. Es fehlen die 2 w. Bll. (260 u. 261), Bl. 267 mit d. Portr. von Papst u. Kaiser, sowie die le. 5 Bll. »De Sarmacia regione«. Einbd. beschabt u. bestoßen, mehrere asgebeßerte Stellen.

DM 25,000

3 — — Dieselbe Ausgabe. 20 unn., 287 (st. 299) unn., 6 unn. Bll. mit ca. 1800 kolor. Holzschn. von Wohlgemut u. Pleydenwurff. Ldr. d. 19. Jhds. Buchblock mehrf. gebrochen u. mehrere Bll. lose. Einzelne Randleisuren hinterlegt bzw. ergänzt. Durchgehend etwas fleckig. Tit. angeschmutzt u. defekt, aufgezogen, mit hs. Besitzverm. Das Altkolorit meist sehr zurückhaltend, viele Holzschn. sind gar nicht kolor., bzw. nur leicht ankolor. Es fehlen die Bll. 5, 6, 12, 13, 17, 42, 47, 52, 99, 100, 182 u. 264. Einbd. mit starken Defekten, Rücken gebrochen.

DM 18,000

4 Das buch der Croniken vnnd geschichten. Augsb., Schönsperger, 1496. Fol. 325 (st. 330) Bll. mit ca. 1800 Holzschn. Holzdeckelbd. d. 16. Jhds. mit Ldr.-Bez. (Schließbänder fehlen). Hain 14511; Schreiber 5206; Goff S 310; nicht im BM. — Zweite deutsche u. zugleich die erste bei Schönsperger gedruckte Ausg. des sogen. »Kleinen Schedel«, die sehr viel seltener ist, als die beiden großen Nürnberger Ausg. Die Holzschn., darunter zahlr. Städteansichten sind Nachbildungen d. Nürnberger Ausg. — Schöner kräftiger Druck. Nur vereinzelt stärker fleckig. Stärkere Fehlstellen am Rand d. Reg., mehrere Einrisse, tls. mit leichtem Textverl. hinterlegt. Ränder oft verstärkt, tls. mit kl. Wurmstichen, 2 Bll. mit starkem Textverl., Tit. u. 6 Bll. mit geringerem Textverl. beschäd. Bindung lose. Einbd. beschabt u. bestoßen, etwas wurmstichig, Gelenke tls. geplatzt.

DM 6000

5 Ertl, A. W. Des Chur-Bayerischen Atlantis Erster (u. Zweyter) Theil. D. i.: Eine Grundrichtige, histor. Abb. aller in 52

dem ... Chur-Hertzogthum Ober- u. Nieder-Bayern, aucg in der Oberrn Pfaltz ligenden ... Städten, Märckt ... (Collegiat-Stiften, abteyen ...). 2 Tle. mit Anh. in 1 Bd. Nbg., Bleuel, 1705. 8^o. gest. Front., gest. Portr., dplgr. Tit., 11 (st. 12) Bll., 360 (st. 366, falsch 374) SS. (SS. 289-296 bei Pag. überspr., SS. 167-70 u. 231/32 fehlen), 1 Bll. (Bereicht a. d. Buchb.), 56 (st. 67), 3 gef.) Kupfertaf.; Gest. Front., dplgr. Tit., 4 Bll., SS. 1-320 (st. 324 SS.), 77 (st. 80) Kupfertaf. Ldr. d. Zt. Von den wichtigen Städten fehlen Adelholzen, Landau, Landshut, München (Gesamtans.), Stadt am Hof, Straubing, Trostburg, Waldmünchen, von den Klöstern Altmühlmünster, Windhag u. Steingaden. — Frontisp. v. Tl. 1 unten beschm., ebenso seittl. das Portr., außerdem mit kl. Loch, der Tit. ganz hinterlegt u. rissig, am Rand kl. Textverl., das eltzte Bl. der Beschlusrede fehlt; v. 2 das Front. eingerissen, außerdem fehlen die 80 Bll. des Anhangs. Insgesamt fleckig u. mit Gebrauchsspuren, einige Taf. u. Bll. rissig u. wurmstichig, darunter Mchn. Markt, Kl. Albersbach, Ettal, Thierhaupten, S. Zeno. Betrieben. bes. am Rücken, dieser unten mit Leinwandstreifen überklebt.

DM 9000

6 — Homann. Sammelbd. mit 51 kolor. Kupferktn. Nbg., Homann u. Homann Erb., ca. 1720. Gr.-Fol. Ldr. d. Zt. Enth. Afrika, Amerka, Asien, Skandinavien, Dänemark (3), Norwegen (2), Schweden (4), Preußen, Memelgebiet (mehrf. gef.), Polen, Ukraine, Baltikum, Rußland (3), Schwarzes Meer, Kaspisches Meer (2), Usbekistan, Ungarn, Slowenien, Siebenbürgen, Balkan, Östl. Mittelmeer, Türkisches Reich (2) Greichenland (2), Kreta, Korfu, Palästina, Persien, Indien mit Ceylon, China Ägypten, Marokko, Mexiko mit Louisiana, Virginia mit Maryland u. Carolina, Neuengland-Staaten, Karibische Inseln, Peru Brasilien Chile u. Argentinien sowie 3 Tafeln mit den Sprachgebieten der Erde, Flaggen u. einer Schiffskarte. — Vereinzelt kleinere Einrisse u. Randausbesserungen. Die Tafeln wenig fleckig. Betrieben u. bestoßen.

DM 6200

7 — Neptune Francois, Le, ou Atlas Nouveau des Cartes Marines ... Tle. 1 u. 2 (v. 3). Paris, Jaillot bzw. Amst., Mortier, 1693. Imp.-Fol. Gest. Front., Tit. mit gest. Vign., gest. Tab., 6 SS., 29 Kupfkt. (28 dplgr., 1 gef.); Tit. mit gest. Vign., 8 (st. 9) Kupfkt. (5 dplgr.). Ldr. d. Zt. mit Rücken- u. Stehkantenverg. Koeman M. Mor. 1 u. 5. — Die ersten beiden Teile d. prachtvollsten Seeatlanten seiner Zeit. Tl. 1 enth. d. Küsten d. Nordsee, d. Ärmelkanals Englands, Schottlands, Irlands, Frankreichs, Spaniens u. Portugals. Der zweite Tl. (Tit.: »cartes Marines ... par ... R. de Hooge«) zeigt d. Küsten d. Niederlande, d. Normandie u. Bretagne, Südf Frankreichs u. Englands; d. Karten sind mit viel. kl. Ansichten geschmückt. — Tl. 1 ohne d. 3 Taf. mit Schiffsdarst., Tl. 2 ohne d. Mittelmeerkarte u. d. Front. — Die ersten u. le. Bll. d. Bandes etwas staubfl. u. wasserrandig, sonst kaum fleckig. Vereinzelt unbedeutende Einrisse. Untere äußere Ecke durchgehend mit Moderschaden, jedoch kein Bildverlust. Einbd. mit stärkeren Gebrauchsspuren.

DM 8500

8 — Sammelband mit 50 (49 kolor.) Kupfkt., meist v. J. B. Homann. Amst., Augsb. u. Nbg. ca. 1680—1730. Gr.-Fol. Hldr. d. 19. Jhds. Dabei: Weltkarte, Europa, Asien, Amerika, Afrika, Spanien u. Portugal, Frankreich, Großbritannien, Benelux (3), Schweiz, Italien, Deutschland (Fränkischer Kreis, Bistum 1/2 Bamberg, Hessen, Bistum Fulda, Grafschaft Hanau, Bistum Trier, Köln, Braunschweig, Hannover u. a.), ferner 1 übergroße gef. Kte. d. Vereinigten Staaten u. a. — Weitere Ktn. v. Dankerts, Lotter, Scutter, Visscher u. a. — Viele Karten in kräftigen Abdrucken u. schönem Kolorit. Einige mit Ausbesserungen, vereinzelt gebräunt u. fleckig. Einbd. mit Gebrauchsspuren, Vorderdeckel u. Rücken gelockert.

DM 10,500

9 — Guicciardini, L. Descrittione di tvtti i paesi bassi, altrimenti detti Gerania Inferiore ... Antw., Plantin, 1588. Fol. Gest. Front., Tit. mit gest. Bord. u. Wappenkupf. v. 2 Platten auf Rückst., gest. Portr. v. 2 Platten mit Wappenholzschn. auf Rückst., 9 Bll., 428 (st. 432) SS. mit 1 dplgr. Kupf., 10 Bll. (le. w.), 64 (st. 65) Kupftaf. (55 dplgr.) mit 68 (st. 69) Ansichten, 9 dplgr. Kupfkt. Ldr. d. Zt. mit Rverg. Brunet II, 1806; Adams G 1542; Ruelens/de B. 315, 34; DeGeorge 209; Rooses 330; vgl. Cat. Nederl. Sheepart Mus. 86. — Zweite Plantin'sche Ausgabe, in nur 410 Expln. erschienen. — Ohne erschienen. — Ohne Taf. 39 u. SS. 259-62. Taf. 33 lose, etwas braunfl. u. am Rand leicht

angefranst: Davon abgesehen wohlerhaltenes, nur stellenw. gering wasser- bzw. braunfl. Expl., d. schönen Kupfer in guten Abdrucken. Einband stark bestoßen, Gelenke geplatzt.

DM 5600

10 Bertius, P. Commentariorum rerum germanicarum libri III. Amst., Janssonius, 1616. Qu.-4^o. Kupftit., Wappenkupfer, 4 Bll., 732 SS. mit 23 (20 bglr.) Kupfkrten u. 101 bglr. gest. Ansichten, 1 Bl. Errata. Pgt. d. Zt. Fauser I, S. XXVIII. — Das gesuchte Ansichtswerk it Darstellungen fast aller wichtigen Städte des deutschen Sprachraumes, meist nach Braun u. Hogenberg. Sehr schönes, fleckenloses Expl.

DM 20,000

11 Bodenehr, G. Europens Pracht u. Macht. Augsb., Bodenehr, ca. 1700. Qu.-4^o. Kupfertit., Reg., 190 (st. 200) tls. gef. Kupfertaf. Ldr. d. Zt. Eines der gesuchtesten deutschen Ansichtswerke. Enthält von Deutschland 84 (st. 88), von der Schweiz 11, Österreich u. Südtirol 126 (st. 127), Frankreich u. Benelux 14, Mittelmeerländer 25, Nord- u. Osteuropa 29 (st. 34) Ansichten. Viele Tafeln sind doppelblattgroß, bei sehr vielen ist rechts ein Stück enigeschlagen. Dieser eingeschlagene Rand ist bei einigen dieser Tag. etwas rissig, darunter: Freiburg u. Br., Geldern, Neapel, Schwaaz, Stralsund, Stockholm, Ulm (2 Ans.), Wasserburg, Wismar' Breisach an unterer re. Ecke mit kl. Ausriß u. kl. Bildverlust, das letzte Blatt (Juliuspsital in Würzburg) ist nur fragmentarisch erhalten. Es fehlen die Ansichten v. Braunau, Burghausen, Frankfurt am Main (1 Ans.), Ingolstadt, Straubing, Tschenschochau, Grodno (2 Ans.), Lerida u. Narwa (Wasserfall). Die Ans. v. Darmstadt schwach ankoloriert. Der Gesamtzustand der Tafeln: Etwas knitterig, besonders an den Rändern, diese bei einigen Bll. leicht ausgefranst bzw. ausgerissen. Einige Tafeln etwas flau im Abdruck. Mit leichten Gebrauchsspuren bzw. etwas fleckig. Betrieben, Rücken leicht gelatzt u. wurmstichig. Kanten bestoßen.

DM 36,000

12 Gottfried, J. L. Neue archontologia cosmica. D. i., Beschreibung aller Kayserthumen, Königreichen, vnd Republicken d. gantzen Welt, die keinen Höhern erkennen ... Ffm., Hoffmann f. Merian, 1638⁷. Fol. 71 (64 dplgr. u. 7 mehrf. geg.) Kupfertaf. u. 30 dplgr. Kupferkarten von M. Merian. (Es fehlt der Text). Pp. d. 19. Jhds. Graesse III, 122; Ebert 8721. — Enthält u. a. folgende Ansichten: die großen Darstellungen v. Konstantinopel, London, Paris, Rom, Prag, Venedig u. Würzburg, außerdem Amsterdam, Antwerpen, Augsburg, Baden (Schw.), Basel, Bern, Breisach, Budapest, Chur, Elbing, Florenz, Frankfurt, Fribourg, Genf, Genua, Lüttich, Luzern, Mailand, Mainz, Marburg, Moskau, Neapel, Preßburg, Speyer, Stockholm, Straßburg (Münster), Stuttgart, Ulm, La Valetta (Malta), Wien, Zürich u. a. Unter den Karten: Welt, Afrika, Amerika, Deutschland (9), Niederlande, Schweiz, Italien, Frankreich, Spanien, Brit. Inseln, Skandinavien, Polen, Rußland u. a. — Größere Fehlstellen bei den großen Ansichten von Prag (fehlt rechte Hälfte), Würzburg (kl. Stelle am rechten Rand), Weltkarte. Beschnitten: Rom (unt. Rand), Straßbg., Krakau, Venedig u. Genua (seittl. Rand). Im Bug rissig: Lindau, Kempten, Rheinfalt, Konstantinopel. Viele Ansichten u. Karten mit hinterlegten Stellen, kleineren Flickstellen u. kl. Einrisen. Etwas fleckig, einige Tafeln knitterig. Es fehlt der Kupfertitel.

DM 23,000

13 Hartknoch, Chr. Alt- u. Neues Preussen oder Preussicher Historien Zwey Theile, in derer erstem von deß Landes vorjähriger Gelegenheit u. Nahmen, wie auch der Völker ... In dem andern aber von deß Teutschen Ordens Ursprung... wie auch der nachfolgenden Herrschaft ... gehandelt wird. Ffm. u. Lzg., Hallervorden, 1684. Fol. Gest. Portr., gest. Tit., Tit., 18 Bll., 662 (falsch 668, SS. 651-656 überspr.) mit 83 Kupf., 16 (1 dplgr.) Kupfertaf., 2 Kupfkt., 30 Bll. Reg. Ldr. d. Zt. mit Rverg. u. Rsch. Lipperr. Da 26. — H. (1644-1687) war einer der größten Historiker Preußens im 17. Jhdt. Das vorliegende »Werk ist nicht eigentlich eine Chronik, sondern eine historische LAndeskunde. Wie vor ihm Simon Grunau sieht er in Ost- u. Westpreußen eine Einheit, die durch den Deutschen Orden geschaffen wurde.« (NDB). Das Werk enthält in 2. Teil eine Städte-Chronik mit vielen Stadtansichten, die bedeutenderen wie Königsberg, Danzig, Thorn, Braunsberg u. Elbing auf Tafeln, 35 andere Ansichten, darunter Angerburg, Frauenburg, Heiligenbeil, Heilsberg, Insterburg, Labiau, Marienburg, Marienwerder, Memel, Pillau, Rastenburg, Tilsit etc., im Text. Ebenfalls auf Tafeln abgebildet ist eine preußische Huldigung im



Schloßhof zu Kgsbg., die übrigen Taf. zeigen die Könige v. Polen, die Markgrafen u. Churfürsten v. Brandenburg u. Ordenshochmeister, eine doppelblattgroße Tafel mit Münzdarstellungen. Die Textkupfer zeigen außerdem Bauern, Krieger, Ordensritter, kultische Darst., das Portr. des Copernikus, Tiere (darunter Elch, Bison, Ur) u. a. — Das Titelportr. u. der gest. Tit. an äußerster unterer rechter Ecke mit geflickter u. übermalter Stelle, sonst schönes u. sauberes Expl. in schönem Leder-Einbd. der Zeit.

DM 18,000

14 (Münster, Seb. Cosmographie: Das ist: Beschreibung aller Länder ... in achte Bücher abgetheilt. Basel, Petri, 1614). Fol. Vorh.: 6 Bl., 1575 SS. mit 66 (23 kolor.) dpblgr. Holzschn.-Taf., 1 d. 1 dpblgr. Ktn. u. viel. (1 kolor.) Textholzschn. Holzdeckelbd. d. 1. mit Pp.-Bez. (Rücken fehlt). Burmeister 84. — Enth. Ans. v. Amberg, Augsburg, Baden (Schweiz), Basel, Bern, Chur, Colmar, Erfurt u. Fulda (auf 1. Bl.), Florenz, Frankfurt/M., Freiburg/Br., Fribourg, Freising, Genf, Heidelberg, Koblenz, Köln, Lindau, Lüneburg, Lübeck, Nördlingen, Paris, Sitten, Solothurn, Speyer, Ulm, Venedig, Wien (re. Hälfte d. gr. Ans. verbndn.), Worms, Würzburg, Zürich sowie Karten v. Afrika, Asien, Vorderasien, Italien, Skandinavien, Schwaben u. a. — Jnsr Expl. weist folgende Mängel auf: Es fehlen die erst. 6 Bl. 21. 23 Ktn. sowie d. le. w. Bl. Viele SS. verbndn.: SS. 249-270 umfangs eingebdn., SS. 1553-75 nach S. 600 eingebdn. sowie SS. 143/44 (re. Hälfte d. Ans. v. Wien). Ans. v. Frankfurt/M., Heidelberg, Wien u. Würzburg mit tils. ausgebesserten Defekten u. Knterfalten. Ab S. 1471 bis Schluß mit zunehmendem Text- u. Bildverlust, mit altem Papier ausgebessert. Tls. fleckig, kl. Würmgänge. Breitrandig, stärkere Gebrauchsspuren u. Defekte.

DM 5000

15 — Merian, — (Zeiller, M. Topographia Prvinciarum Aistriacarum) ... Das ist Beschreibung Vnd Abbildung der vürnehmsten Stätt Vnd Plätze in d. Österr. Landen. Ffm., Merian, 1649). Mit Anhang, 1656; Topogr. Windhagiana, 1656; Absonderl. Beschr. Der Herrschafften ... Windhaag, Reichenau, Horn ... 1656. (Kupftit. fehlt), SS. 3-102, (103-110 i. d. Pag. ausgel.) 111-156, 6 Bl., 52 SS., 4 Bl., 18, 5 SS., 14 SS., 1 Bl., 10 dpblgr. Kupferkarten u. 129 meist dpblgr. Kupfertaf. mit ca. 195 Ansichten bzw. Einzeldarst. — II. Topographia Bohemiae, Moraviae et Silesiae, d. i. Beschrbg. u. eig. Abb. d. vornehmsten Städte u. Plätze in ... Boheim, ... Mähren u. Schlesien. Ffm., Merian, 1650. Kupfertit., SS. 3-192, 9 Bl., 3 dpblgr. Kupferktn. 38 (st. 34) meist dpblgr. Kupfertaf. mit 39 Ans. — Fol. Pgt. d. Zt. mit Rücken- u. Deckelvergr. Wüthrich 42a, 43b, 68, 43c u. 48. — Erste Ausgaben, Österr. mit allen Nachträgen, bis auf d. fehlenden Kupfertitel vollständig. Böhmen mit 4 zusätzl. Kupf., zufolge Bachmann aus e. Zugabe: Budweiß (Grundr.), Elfenbogen (Plan), Podiebrad (Ans.), Breig (Grundr.). — Fleckenloses, sauberes Expl. in sehr guter Erhaltung mit den Kupfern in vorzüglichen Abdrucken. Der schöne Einbd. mit geringen Schabspuren.

DM 31,500

16 — Merian, M. (Zeiller, M.). Topographia Heluetiae, Rhaetiae et Valesiae ... (Ffm., Merian) 1642. Fol. Mit 54 (st. 55) meist dpblgr. Kupftaf. mit 73 (st. 74) Ansichten u. 2 dpblgr. Kupfkttn. Hldr. um 1860. Wüthrich I, 1 (gibt 56 Kupftaf. mit 76 Darstellungen an); Schuchard 62 A. — Erste Ausgabe. — Alle Taf. einschließl. Kupftitel im 19. Jhdt. sorgfältig aufgezoogen u. neu angefäz. Ohne die Ansicht v. Neuenburg. Die Deutschlnd.-Karte an den Rändern mit kl. Fehlstellen. Gesamtansicht v. Zürich knapp beschnitten. Gef. Gesamtans. v. Basel mit mehr. großen hinterlegten Fehlstellen im Bild. Ansicht v. Schaffhausen mit kl. Fehlstelle im linken seilt. Rand (ca. 3 cm²). Einige Taf. mit hinterlegten Einrissen. Die meisten Taf. mit Knickfalten. Etwas stock- u. fungerfleckig.

DM 29,000

17 — Atlas novus reipublicae Helveticae XX. mappis compositus. Gest. Reg. u. 20 Karten. Nbg., Homann Erben, 1769. Kolor. Blumer, Gesamtkarten d. Schweiz 255 u. 256. — Übersichtliche Karten, von denen 15 v. G. Walser stammen. Ehtn. 2 Gesamtkarten, ferner die Kantone Zürich, Bern, Luzern, Uri, Schwyz, Unterwalden, Zug, Glarus, Basel, Freiburg, Solothurn, Schaffhausen, Appenzell, St. Gallen, Grubünden u. Wallis. — 2 Karten (Bern u. Uri) im Bug mit tils. hinterlegtem Einriß.

DM 17,000

TOTAL MAPS AND ATLASES DM 406,710 (238 lots)

SOTHEBY'S, NOVEMBER 24-25 1980 (PREMIUM 10%)

18 PUCHAS (SAMUEL) PURCHAS HIS PILGRIMES, 4 vol., FIRST EDITION, 1625; PURCHAS HIS PILGRIMAGE, fourth edition, issue with the added dedication to King Charles, 1626, together 5 vol. (the complete set of the 'Pilgrimages'), 88 engraved maps by Hondius, Elstracke and others, 24 duplicated, 7 folding, the others smaller maps in text, additional engraved title [Johnson: Anon., no. 32], engraved and woodcut illustrations in text, vol. II with colophon-leaf, vol. I with blank R4, vol. IV lacking first blank, slight browning, a few tears and small holes, slightly affecting text and one or two maps, late eighteenth-century polished calf, labels, spines gilt, joints split, rubbed [NSTC 20509, 20508; Sabin 66686, 66682] folio 1625-26.

£3600

19 [SCHEDEL (HARTMANN) LIBER CRONICARUM cum figuris et ymaginibus ab initio m[un]di us[u]q[ue] temporis, second Latin edition, ISSUE WITH THE DOUBLE-PAGE MAP of Northern and central Europe at end, register with title bound at end, 364 leaves (of 366, lacks the 2 blanks), 2 columns, 51 lines, gothic letter, double-page woodcut map of England, Germany and

Denmark, c. 2000 woodcuts in the text, some full-page, after M. Wohlegemut and W. Pleydenwurff, all before N2 rubricated, a few leaves added from a slightly smaller copy, a few small repairs, slightly affecting text, 3 marginal tears, 1 tear repaired, slightly affecting text, some wormholes, affecting some letters and woodcuts, very slightly dampstained in margins, old ownership inscription "FF. Beatae Mariae Virginis Understorf" on title, contemporary German blind-stamped pigskin, wormholes, corners and joints worn, rubbed, 2 clasps, straps renewed [BMC II, 370; HCR 14509; Schreiber 5204; Klebs 889.2; Goff S308] folio Augsburg, Johann Schönsperger, 1 February, 1497. This edition has the same number of woodcuts in the text as the first edition of 1493, but the woodcuts here are reduced; this edition is far less common.

£3200

TOTAL MAPS AND ATLASES £9935 (11 lots)

CHRISTIE'S, NOVEMBER 26-27 1980 (PREMIUM 10%)

20 BELLIN (JACQUES NICOLAS): LE PETIT ATLAS MARITIME, recueil de cartes et plans des quatre parties du monde, 5 vols., engraved throughout, titles dedication leaf and index leaves in each volume within ornamental border, 581 maps and plans mounted on guards, many double-page, some folding, all hand-coloured blue in outline, half morocco (rubbed) and cloth (covers detached), [Maritime Museum Catalogue III 211, listing 580 maps], 4to, n.p. [Paris], 1764, sold as an atlas, not subject to return (5) The set comprises: Vol. I: AMERIQUE SEPTENTRIONALE et Isles Antilles, 102 maps (Nos. 2 and 29 just shaved; No. 102 torn and repaired), no separate volume title Vol. II: L'AMERIQUE MERIDIONALE et ses details, 90 maps (No. 8 bound upside down), table of contents calls for 89 maps, but there are two numbered 39 Vol. III: L'ASIE; L'AFRIQUE, two titles and 127 maps (No. 54 shaved), table of contents calls for 124 maps, but Nos. 3, 92 and 95 appear twice Vol. IV: L'EUROPE et les divers etats qu'elle renferme excepté la France, 130 maps, table of contents calls for 128, but Nos. 50 and 109 appear twice Vol. V: LES COSTES DE FRANCE, 132 maps (title foxed)

£2800

21 BLAEU (JOHANNES): LE GRAND ATLAS OU COSMOGRAPHIE BLAVIANE en laquelle est exactement descrite la terre, la mer et le ciel, 12 vols., COMPLETE SET, text in French, first editions of vols. VI and XI, others in second edition, vol. I with printed general title and allegorical title, 12 printed titles with vignettes, 10 engraved titles with printed overslips, 598 engraved maps, plans and plates, some folding, 567 of them double-page, including TYCHO BRAHE'S PLATES OF ASTRONOMICAL INSTRUMENTS, frontispieces, vignettes, engraved titles, maps, plans and plates, all FINELY COLOURED BY A CONTEMPORARY HAND, the engraved titles and vignettes HEIGHTENED WITH GOLD, mounted on guards throughout, index leaf at the end of each vol. (occasional light soiling; a few other minor defects as indicated below), uniformly bound in contemporary vellum, panelled in gilt, with centre and cornerpieces, spines gilt, g.e. (slightly soiled), folio [548 x 650mm.] [Koeman I B1 59, pp. 267-270 and for the full list of maps, Koeman I B1 58, pp. 246-267], Amsterdam, Chez Jean Blaeu, 1667-63-67; sold as an atlas, not subject to return (12) A fine clean copy of what has been called 'the greatest and finest atlas ever published'. The collation agrees with Koeman. The work comprises: Vol. I. NORTHERN EUROPE: 60 maps and plates, 43 of them double-page, including 14 plans and plates of astronomical instruments, hand-coloured diagrams and illustrations in the text. Vol. II. NORTHERN AND EASTERN EUROPE AND GREECE: 40 maps and plates, all except one double-page, including plans of Moscow and the Kremlin, hand-coloured illustrations in the text (lacking dedication to Part 4, 'Regions Orientales', not in Index). Vol. III. GERMANY: 97 maps, including 96 double-page and two folding (map of 'Moravia' creased and slightly soiled; one map loose; small area of worming through margins of last few leaves, not affecting the text). Vol. IV. NETHERLANDS: 2 engraved titles and 63 maps, 59 of them double-page (first map creased and slightly soiled). Vol. V. ENGLAND: 58 maps, 57 of them double-page, coloured illustrations in the text of Stonehenge and Avebury. Vol. VI. SCOTLAND AND IRELAND: 55 maps, 54 of them double-page (some maps creased). Vol. VII. FRANCE: 37 maps, 35 of them double-page (pp. 411/417 creased and soiled at one corner). Vol. VIII. FRANCE AND SWITZERLAND: 36 maps, 34 of them double-page (title creased). Vol. IX. ITALY: 60 maps, 58 of them double-page (title creased). Vol. X. SPAIN AND AFRICA: 41 double-page maps and plates, including 7 views of the Escorial (map of Valencia creased). Vol. XI. ASIA AND CHINA: 2 engraved titles, 28 double-page maps (title creased). Vol. XII. AMERICA: 23 double-page maps (first map slightly soiled; one or two edges dampstained).

£54,000

22 [BLAEU] publisher: NOVUM THEATRUM PEDEMONTII ET SABUNDIAE, sive accurata descriptio ipsorum urbium, palatiorum, templorum, 4 parts in 2 vols., 4 additional engraved titles, titles printed in red and black, engraved arms by I. Luyken, engraved dedication leaf, double-page genealogical table, 4 engraved portraits, one of them double-page, 3 double-page maps, 10 single-page plates and 126 double-page plates, including 5 additional plates in vol. II (mounted on guards throughout; some foxing and discolouration at edges; one or two plates shaved; some soiling), half morocco (rubbed) [Koeman I B1 111, 112], folio [520 x 610mm.], The Hague, R.C. Alberts, 1726 (2) This edition comprises the same plates as the 1682 edition (B1 75.76), except for one portrait, with an altered and enlarged text. The plates in this copy tally with the collation at the latter entry, but in addition, the following plates are present in vol. II: i). Geneva antiqua et nova ad oram Lacus Lemani, signed R.C. Alberts, 1725, possibly an unfinished plate, not listed separately by Koeman ii). Casal di de Sr. Vas., signed R.C. Alberts, listed by Koeman under B1 87 (9), with text iii). Plan de la Ville et Citadelle de Turin, signed by R.C. Alberts, not listed separately by Koeman, no text iv) and vv). 2

untitled plates, the first signed Innocente Guizzaro; all of them double-page.

£5200

23 DE BRY (THEODOR AND JOHANNES THEODOR): MAJOR VOYAGES [AMERICA], 12 parts (of 13) in 5 vols., Latin text throughout, engraved titles, maps and plates, large engravings in text (occasional library blind stamp; some engravings slightly shaved; paper often browned), contemporary calf (re-backed), and half morocco (all worn; most covers detached) [Sabin 8784; Church Cat. 140-173], folio, Frankfurt, 1590-1630, sold not subject to return (5) The set comprises: 1. [HARRIOT'S VIRGINIA] Admiranda Narratio diu tamen, de commodis et incolarum ritibus Virginiae ... anglico scripta sermone a Thoma Herlot ... FIRST EDITION, engraved title (cut short and mounted on colophon leaf), engraved coat-of-arms, double-page engraved map of Virginia, and 28 plates (some first, some second impression, text of folding plate 17 a little defective), 1590. 2. [LE MOYNE'S FLORIDA] Brevis Narratio eorum quae in Florida Americae Provincia Gallis acciderunt ... auctore Jacobo le Moyne ... second edition, engraved title, double-page map of Florida (borders shaved) and 42 parts, 1609. 3. [STADIUS'S BRAZIL] Historiae Antipodum, sive Novi Orbis, & Indiae Occidentalis nomine usurpatur ... redacta, Jo. Ludovic Gottofrid, third edition, engraved title, two leaves with engraved coat-of-arms and 45 large engravings in text, 1630. 4. [BENZONI'S HISTORY OF THE NEW WORLD] Americae Pars Quarta, second edition, two engraved titles, engraved lead with several coats-of-arms, engraved double-page map of the West Indies (border shaved), 2 dedication leaves with large engravings, 24 engravings with arabic numbering, 1594 [1613?]. 5. [BENZONI'S HISTORY continued] Americae Pars Quinta, second edition, two engraved titles (the first shaved), engraved portrait of Columbus, 22 engraved plates (lacking map), 1595. 6. [BENZONI'S HISTORY concluded] Americae Pars Sexta, second edition, engraved title, engraved double-page map of the Western Hemisphere (shaved at foot, tear in margin with slight loss of engraving), engraved double-page view of Cuzco, 28 engraved plates, 1617. 7. [SCHMIDEL'S BRAZIL AND PARAGUAY] Americae Pars VII, vera et iunctunda descriptio praecipuarum quarundam Indiae Occidentalis regionum & insularum, second edition, engraved title, 4 large engravings in text, 1625. 8. [DRAKE'S AND RALEIGH'S VOYAGES] Americae Pars VIII contains ... descriptionem trium itinerum, second edition, engraved map on title, 22 large engravings in text, 1625. 9. [ACOSTA'S HISTORY OF THE NEW WORLD etc.] Americae Nona et postrema pars. Qua de ratione elementorum; de Novi Orbis natura ... copiose pertractatur, title within wide engraved border, another title with large engraving (bound out of order), engraved map of the Straits of Magellan, 39 engraved plates, 1602. 10. [VESPUCCI'S VOYAGES] Americae Pars Decima: qua continentur, duae navigationes (etc), FIRST EDITION, large engraving on title (variant with sitting figures), double-page engraving map of the Philippine Islands, 12 engraved plates, 1619. 11. [SCHOUTEN'S VOYAGE TO SOUTH AMERICA AND THE PACIFIC] Americae Pars Undecima: seu descriptio admirandi itineris a Guilielmo Schouten Hollando peracti, FIRST EDITION, two titles with large engravings, 3 engraved maps, 29 engraved plates, 1619. 12. [HERRARA'S VOYAGE TO SOUTH AMERICA etc.] Novi Orbis Pars Duodecima. sive descriptio Indiae Occidentalis, engraved title, double-page engraved map of the Western Hemisphere (shaved at foot) and 14 other maps (misbound between parts 10 and 11), 19 large engravings in text, 1624. The final part 13 (lacking) was first published 1634.

£2000

24 DE BRY (THEODOR AND JOHANNES THEODOR): MINOR VOYAGES [INDIA AND FAR EAST], 10 parts (of 12) in 3 vols., FIRST EDITION THROUGHOUT, Latin text, engraved titles, plates and maps (many with library blind stamp), half morocco (worn, two covers missing, the others detached), [Brunet I 1334 ff.], Frankfurt, 1598-1613. Sold not subject to return (3). The set comprises: 1. [PIGAFETTA'S CONGO.] Regnum Congo, hoc est, vera descriptio regni Africani ... per Philippum Pigafettam, title within wide engraved frame (shaved at fore-edge), large engraved coat-of-arms, 3 engraved folding maps (borders shaved) mounted on linen, 14 engraved plates (some shaved), without the Appendix published 27 years later, 1598. 2. [LINSCHOTEN'S EAST INDIES.] II. Pars Indiae Orientalis, in qua Johan. Hugonis Lintscoiani Navigatio in Orientem ... accurate proponuntur, title within wide engraved frame, engraved portrait of Linschoten, and 38 engraved plates, one folding (many slightly shaved), 1599. 3. [LINSCHOTEN continued.] Tertia Pars Indiae Orientalis, title within wide engraved frame, 5 engraved folding maps (borders shaved) mounted on linen, and an additional map of Novaya Zemlya printed on verso of the last plate, 58 engraved plates (one printed upside down, the folding plate 32 bound at end), inserted at end 2 folding plates of St. Helena and Mozambique, mounted on linen (duplicates of the

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£1000

25 DOPPELMAYR (JOH. GABRIEL): ATLAS NOVUS COELESTIS in quo mundus spectabilis et in eodem tam errantium quam inerrantium stellarum phenomena notabilia ... secundum Nic. Copernici et ex parte Tychonis de Brahe, title in red and black with engraved illustration, additional engraved title and 30 HAND-COLOURED MAPS of the heavens, mounted on guards (slight soiling at edges), contemporary half calf (rubbed; covers detached) large folio [570 x 650mm.], Nuremberg, sumptibus Heredum Homanianorum, 1742.

£1300

26 DRAYTON (MICHAEL): [POLY-OLBION], A CHOROGRAPHICAL DESCRIPTION OF ALL THE TRACTS, RIVERS, MOUNTAINS, FORESTS, AND OTHER PARTS OF THIS RENOWNED ISLE OF GREAT BRITAIN [with, The Second Part, or a Continuance of Poly-Olbion], FIRST EDITION, third issue (a few library stamps, one on portrait), additional engraved title with leaf of explanation, full-length portrait of Prince Henry, 30 double-page engraved maps (Cornwall repaired in blank margin, slight paper fault in map of Hampshire, some maps slightly browned, half morocco (rubbed) [Grolier 84; STC 7228 and 7229], folio, for John Marriot, John Grismand, and Thomas Dewe, 1622.

£2000

27 JANSSONIUS (JOHANNES): THEATRUM URBIVM, 8 vols., 490 engraved plates (of 500, lacking 9 Italian and 1 Spanish plate) mostly double page, a few made up of 4 pages, and some only half-page, engraved and printed titles (some spotting and light discolouration, occasional minor dampstains in margins, some small tears in blank margins and sometimes small splits in folds, small holes in most titles caused by clasps of a previous binding), half morocco (rubbed) and the two German volumes in cloth (one cover detached) [Koeman Ja 12-Ja 17], folio, Amsterdam, 1657; sold as an atlas, not subject to return (8) VERY RARE COMPLETE. Jansson's magnificent collection of town views was not entirely original. He had acquired the plates of Hogenberg's Civitates Orbis Terrarum, and used most of them with minor alterations. And many of the plates which were newly engraved, were copied from Blaeu and from Zeiler's Topographia Germaniae. The separate volumes are as follows: I and II THEATRUM URBIVM CELEBRIVM TOTIVS BELGII, SIVE GERMANIAE INFERIORIS, 113 engraved plates (corner of two plates broken off before printing, two tears into engraved surface of one plate, four plates frayed at fore-edges), 6 pages of text to Antwerpia, not 4 as listed by Koeman, but no text to Hertogenbusch. III and IV THEATRUM EXHIBENS ILLUSTRIORES PRINCIPIES GERMANIAE SUPERIORIS CIVITATES, 155 engraved plates (tear into the engraved surface of the plate of Stettin, hole in margin of another plate, title of second volume slightly defective and loose), Praefatio leaf in first volume, not recorded by Koeman. V THEATRUM EXHIBENS CELEBRIORES GALLIAE ET HELVETIAE URBES, 41 engraved plates (engraved title dust-soiled with tear affecting engraved surface). VI THEATRUM PRAECIPUARUM URBIVM POSITARUM AD SEPTENTRIONALEM EUROPAE PLAGAM, 54 engraved plates (engraved title dust-soiled and frayed, plate of London torn just touching engraved surface, split in folds of several plates). VII THEATRUM CELEBRIVM URBIVM ITALIAE, albanumque in Insulis Maris Mediterranei, 70 engraved plates (of 79, lacking Roma Antiqua, Roma Hodierna, Bologna, Catana, Mediolanum, Ticinum, Patavium, Parma and Piacentia), lacks index leaf. VIII THEATRUM IN QUO VISUMTUR ILLUSTRIORES HISPANIAE URBES, aliaeque ad Orientem & Austrum Civitates Celebriores, 57 engraved plates (of 53, lacking Madrid, small tears in three plates just touching engraved surface).

£48.500

28 JANSSONIUS (JOANNES), GERARD MERCATOR and others: [ATLAS], with 94 double-page engraved maps, 42 with Jansson's imprint (all with discreet library stamps, some light foxing and discolouration; no title or text), half morocco (rubbed; covers detached), large folio, Amsterdam [1646 or later]; sold as an atlas, not subject to return. The maps contained in this atlas have no text on verso and appear to be mostly from Latin editions. They include all parts of the world.

£5000

29 MERIAN (MATTHAEUS): THEATRUM EUROPAEUM,

oder ausführliche und warhafftige Beschreibung aller und jeder denkwürdiger Geschichten so hin und wider in der Welt, fürnämlich aber in Europa und Teutschen Landen ... vom Jahre Christi 1617 biss auff's Jahr 1629 [bis zu Ausgang des 1718 ten Jahres]... zugetragen haben, 21 volumes, additional engraved title to each part [except vol. 20], 34 large engraved folding panoramas, 674 engraved maps, plates and plans, approximately 250 portraits on plates and numerous engraved portraits in the text (one or two titles cropped at foot, title of vol. XI frayed, view of Athlone lacking in vol. 14, view of Regensburg lacking in vol. 16), uniform eighteenth century vellum, oval gilt device on covers (slightly soiled, but sound), except last vol. in contemporary calf (rubbed and hinges cracked), stout folio, Frankfurt, 1635-1738; all titles and plates with library stamp, sold not subject to return (21). COMPLETE SET. The final volume is entitled: Jubiläum Theatri Europaei, das ist der Geschicht-Erzählung von Einhundert Jahren beschliessende ... Theil. Each vol. with copious indexes. Graesse VII.110; Lipperheide 527. Many of the engravings, particularly in the early volumes are particularly fine and interesting, they include, in vol. I. Panorama of Prague and view of Heidelberg; vol. II. Panorama of the river Elbe (torn), 2 large folding plates of Tilly's battle in 1631 (with tears), panoramas of Würzburg and Mainz, views of Augsburg, Magdeburg, Frankfurt, Bamberg, München, Nürnberg, Coblenz, Leipzig, etc.; vol. III. Map of Parayba in Brazil, views of Freyburg i.B., Memmingen, Kempten i. Allgäu, map of Constanz, vol. IV. Panorama of Kretzenach; vol. V. Panorama of La Scuro and of Hornhaus Brunnen, views of Bregentz, Lindau, Bodensee; vol. VI. Panorama of Crete, Bordeaux; vol. VIII. Panorama of Munster, 3 panoramas showing triumphal entries into towns; vol. XIII. Panorama of Worms, views of Heidelberg, Heilbronn; vol. XVI. Large plate showing the coronation of the Kings of Prussia, palte of Charlottenburg; vol. XVII. Panorama of Charlottenburg; vol. XX. Panorama of Prague and London.

£18,000

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£1600

31 MERIAN (MATTHAEUS): TOPOGRAPHIA PROVINCIARUM AUSTRALICARUM, Austriae, Styriae, Carinthiae, Carniolae, Tyrolis, etc., das ist Beschreibung und Abbildung der fürnbesten Stätt und Plätz in den OESTERREICHISCHEN LANDEN, Under und Ober Osterreich, Steyer, Kärntden, Crain und Tyrol, engraved title, 8 double-page maps, 2 large folding plates of Eisnach und Meran, 64 double-page plates and plans and 22 other plates, 1649; ANHANG zu dess M. Z. anno 1649 gedruckter Topographia Provinciarum Austricarum, 1656; MERIAN (CASPAR): TOPOGRAPHIA WINDHAGIANA ... Beschreibung beyder Herrschafften, Windhaag und Reichenau, 12 engraved double-page, and 9 other plates, engraved armorial title vignette (lower margin of title repaired not affecting print area), 1656, together 3 vols. in one, old half vellum (rubed), folio Frankfurt.

£3800

32 MERIAN (MATTHAEUS): TOPOGRAPHIA BAVARIAE, das ist beschreib. und eigentliche Abbildung der vornehmsten Stätt und Orth in OBER UND NIEDER BAYERN, der Oberrn Pfaltz und andern zum ... Bayrischen Craisse gehörigen Land-schafften, engraved title, 2 double-page maps, large folding plate of the Munich Residence, 39 double-page and 11 other plates and plans, one engraved illustration in the text (plans of München and Regensburg shaved at foot; outer margins of Landshut shaved; tear in 'Regensburg Rathaus'; paperfall affecting plate of Rosenheim), old half vellum, folio, Frankfurt, 1644.

£2400

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£1900

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£1800

35 MERIAN (MATTHAEUS): TOPOGRAPHIA UND EIGENTLICHE BVESCHREIBUNG der vornehmsten Stätte, Schösser auch ander Plätze und Oerter in denen Hertzogthüner BRAUNSCHWEIG UND LUEUEBURG ... Herrschafften und Landen, engraved title, 3 double-page maps, plan, 11 large double-page folding plates, 78 double-page and 40 other plates (i.e. 129 only of 132 plates) (caption on plate of Einbeck defective, slight tear in plate of Seesen), old half vellum (rubbed), folio, Frankfurt, 1654.

£2000

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£4000

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£1500

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£4200

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£900

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£3500

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£5600

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44 MERIAN (MATTHAEUS): TOPOGRAPHIA SVEVIAE, das ist Beschreib- und Aigentliche Abcontrafteitung fürnembster Stätt und Plätz in Ober und Nider SCHWABEN, Hertzogthum Württemberg, Marggraffschaft Baden ..., engraved title, 3 double-page maps, 44 double-page plates and plans and 15 other plates, old half vellum (slightly rubbed), folio, Frankfurt, 1643.

£5800

45 MERIAN (MATTHAEUS): TOPOGRAPHIA WEST-PHALIAE, das ist Beschreibung der vornehmsten und bekantisten Stätte und Plätz im hochlöbl. Westfälischen Craisse, engraved title, double-page map, 32 double-page and 15 other plates and plans (lacking 3 plates; Osnabrück/Soest, Neuhaus/Petershagen, Sieburg/Solingen; small corner missing from illustration of Tongren; minor tear in fold of plates of Aachen und Münster; outer border of

plates of Liege, and 4 others shaved), old half vellum, folio, Frankfurt, 1648

£5000

46 MERIAN (MATTHAEUS) & MARTIN ZEILLER: TOPOGRAPHIA GALLIAE, oder Beschreibung und Contrafaftung der vornehmsten und bekantisten Oerter in ... FRANKREICH, 13 vols., in 4, additional engraved title to vol. I and engraved titles to vols. II-IX, 2 large engraved folding maps, 17 double-page maps, 16 large folding plates and plans, 239 double-page and 48 other plates and plans (minor waterstain in centrefold of first 60 pp. of vol. I, waterstain in upper outer corner of part of vol. III and in vol. IV, some waterstaining in vols. XI-XIII), old half calf, folio, Frankfurt, Caspar Merian 1656-61; sold not subject to return (4). The first vol. comprises Paris and suburbs, containing a large folding map and two other maps of France, 2 panoramas and 2 large folding plans of Paris and 105 plates; 3 plates listed in the index: Clermont, Meaux and Noyen were clearly never bound into the volume. Vol. II. is Picardie; III. Champagne and Brie with folding plan and panorama of Tonnere; IV. Bresse, Nivernois, etc. with 3 panoramas of Dijon, Nevers and La Charité; V. Lyons, 12 plates including a folding plate; VI. Berry, Auvergne and Limosin; VII. Angoulême, etc. with a panorama of Saumur/Tours (dampstained); VIII. Normandie (engraved title slightly damaged), with folding plate of Nantes/S. Malo; X. Guienne, Gascoyne, with panorama of Bordeaux; XI. Languedoc; XII. Provence, with panorama of Avignon/Frejus; XIII. Dauphiné, with panorama of Grenoble.

£2200

47 MERIAN (MATTHAEUS): TOPOGRAPHIA ITALIAE, das ist warhafft und curiose Beschreibung ITALIEN, sambt einen Anhang von Königreich Morea, additional engraved title by Sandrart, 8 double-page maps, large folding panoramas of Venice and Rome, both by Merian, 42 double-page plates and plans, many by Joachim Sandrart, large folding plan of Turin, dated Amst. 1706 by Van der Plaats (foot of printed title slightly cropped, some maps a little discoloured, occasional spotting), Frankfurt, M. Merian Erben, 1688; DAS LANG BESTRITTENE KÖNIGREICH CANDIA [i.e. CRETE], von anno 1645 bis 1669, finely etched title vignette of Merian's device, large engraved panoramic map, plans of fortifications, 2 double-page and 3 other plates and plans, 5 portraits, 3 etched, Frankfurt, D. Fievet, 1670; 2 works in one vol., old half vellum (slightly rubbed), folio.

£1600

48 [MERIAN (M.): INDEX]: ZEILLER (MARTIN): Haupt-Register über weland Martini Zeillerei sämtliche, so wohl Hoch- und Nieder-Teutsche, als auch Französische Topographias, über die in Kupffer gestochene Stätt, Schösser, Vestungen, etc., old vellum-backed boards, folio, Frankfurt, Matthaeus Merian, 1672.

£225

49 NORONHA FREYRE (JOAO, i.e. Gio. Giuseppe di S. Terresa, Carmelite): ISTORIA DELLE GUERRE DEL REGNO DEL BRASILE accadute tra la Corona di Portogallo, e la Republica di Olanda, 2 vols. in one, first title in red and black, additional engraved title, portrait, 26 engraved folding maps, plans and views (slight worming in upper margin), half morocco (rubbed) [Borba de Moraes 3959], Rome, 1700. Bound in the front is a manuscript transcript? of 9 pp. of 'Brevis, succincta ac vera narratio Expeditionis ... in Brasiliam, Anno 1623'; by Enochus Stertgenius(?), 'minister verbi Dei' in Bahya urbe.

£2000

50 PURCHAS (SAMUEL): HAKLUYTY'S POSTHUMUS, or PURCHAS HIS PILGRIMAGES, containyng a history of the world, in sea voyages, & lande-Travells (with: Purchas his Pilgrimage, or relations of the world), FIRST EDITION (with fourth edition of Purchas His Pilgrimage, as usual), 5 vols., additional engraved title incorporating portrait of the author, 5 double-page engraved maps (of 7, map of Virginia slightly torn, map of China just shaved) and numerous maps and other engravings in text as well as some woodcut illustrations (engraved title soiled, some margins dampstained, occasional tiny holes or minor marginal tears), half morocco (worn, some covers detached, vol. I broken with loose leaves) [STC 20509 and 20508.5, Sabin 66686], William Stansby for Henrie Fetherstone, 1625-1626, sold not subject to return (5).

£2000

51 SCHEUCHZER (JOHANN JACOB): ITINERA PER HELVETIAE ALPINAS REGIONES, 4 volumes in one, titles in red and black with large engraved vignettes, additional engraved title, portrait, map and 130 plates, many folding, some with overslips (margins slightly spotted), contemporary vellum (spine torn) [Longchamp 2641], 4to, Leiden, 1723.

£4600

52 VANCOUVER (Capt. GEORGE): A VOYAGE OF DISCOVERY TO THE NORTH PACIFIC OCEAN, AND ROUND THE WORLD, FIRST EDITION, 3 vols., with engraved map and 17 plates (browned and off-set; titles spotted); and ATLAS with 10 engraved double-page charts, some also folding and 6 plates of coastal profiles (some spotting), text bound in contemporary diced calf (rebacked) and one vol. rebound in half roan (most covers detached), atlas in half roan [Sabin 98443; Hill Pacific Voyages p. 303/304], 4to and folio, 1798.

£1800

TOTAL MAPS AND ATLASES £221,085 (51 lots)

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53 BIBLIA, dat is De gantsche H. Schrifture, verv. alle de 56

boecken des Ouden en des Nieuwen Testaments. Dordr., P. & J. Keur, 1729. 3 parts, 1 vol. With engr. title, 5 engr. maps, plan of Jerusalem, and 12 extra engr. maps by W.A. Bachienne, c.1750.; 61 double-page engr. plates by J. Luyken. Contemp. blindstamped rusia over wood (spine a trifle rubbed), with the orig. brass clasps & cornerpieces, large folio. Apart from some light foxing in places & modern endpapers, a fine copy with wide margins & bound up with the pls. by J. Luyken, which also appeared in: "Afbeeldingen der Merkwaardigste Geschiednissen h.v. Oude en Nieuwe Testament".

f5250

54 ATLAS — BLAEU, W. & J., Tweede Deel van't Toonneel des Aerdrijcx ofte Nieuwe Atlas. Amsterdam, W. & J. Blaeu, 1635. With engraved title in old handcolouring and 103 + 4 engraved maps, except for 2, all double-page, and nicely hand-coloured in the period. Contemporary panelled & gilt vellum (rather badly worn and damaged, first few leaves loose & frayed), traces of gilding on the edges. Large folio. == Koeman Bl. 10. Contains all 103 maps called for, including those of the African, Asian and American continents, which have small engravings bordering the maps, which show native races. There are 4 inserted maps, taken from a later edition of Blaeu's Atlas: Aragon, Navarre, de Groot Mogol, & Florida. — Two maps were originally printed on the wrong sheets: these are pasted over with the right maps. Some 5 or 6 maps have an easily repairable slit in the fold, and from two maps (Abyssinia and India) a naked figure has been cut out from the cartouche. Some other traces of use, some small wormholes in the lower margin, but all in all a good copy in contemporary handcolouring.

f22,500

55 — BLAEU, W. & J., Grooten Atlas oft Werelt-Beschryving. (Eerste deel). Amst., J. Blaeu, 1642. 2 parts, 1 vol. With a general plain engr. title, engr. title for the second part in fine contemp. handcolouring & 118 (of 120) engr. maps (4 fold., 113 double-page, 1 single-page) all in good handcolouring of the period, the nice cartouches, etc., fully coloured. Contemp. giltstamped vellum (dam., spine gone & clumsily pasted over with a strip of old vellum), large folio. = Koeman Bl. 264. Contains a map of the Arctic Regions, maps of Scandinavia, Germany, Central & Eastern Europe. The second part contains the Netherlands (36 maps). — Lacks the map of the world and the general map of Europe; several maps from another -smaller- copy or edition; one fold. map torn in the folds; some short tears; several maps creased in the inner parts, a few small waterst. in blank margins; some outer margins frayed; the last two maps in rather poor condition.

f28,000

56 — BLAEU, W. & J., Toonneel des Aerdrijcx oft Nieuwe Atlas. Derde deel. (Italië, Griekenland). Amsterdam, J. Blaeu, 1642. With engr. title in contemporary hand-colouring & 62 maps (58 double-page, 1 single page & 3 in the text), all in good contemporary handcolouring. Contemporary panelled & gilt vellum (somewhat worn, spine a little damaged), g.e. Large folio. = Koeman Bl. 38a. Some leaves a bit frayed, but all in all a very good copy in nice handcolouring.

f10,000

57 — BLAEU, W.J., Paises Bachos, o Belgia, dividida en dos Partes. Amsterdam, J. Blaeu, 1663. 2 parts, 1 vol. With 35 maps (31 double-page) in part I (Southern Netherlands) & 28 double-page maps in part II, all in old, but probably not contemporary, handcolouring, which includes the cartouches. 18th century red h. roan (rubbed but sound). Large folio. — Koeman Bl. 60A. This is vol. IV of the Spanish Atlas Mayor, which appeared in ten volumes, but which was never completed, as volume XI was destroyed by a fire at the printer's. Koeman: "The rarest of Blaeu's large Atlases". — A fine copy with large margins; the large initials in the text in old, somewhat hard, handcolouring. — Lacks title to part II. — Engraved title of a different Atlas bound in.

f24,000

58 — JEFFERY'S, THOMAS. The American Atlas or a Geographical Description of the whole Continent of America. Engraved on fifty-eight Copper-Plates. London, R. Sayer & J. Bennett, 1776. With 23 charts and maps on 29 sheets, for the larger part folding, all in contemporary outline colouring. Contemporary half calf (worn, joints broken, slightly damaged). Large folio. == Second issue of the first edition of 1775 of this splendid atlas. Phillips I, 1165 describes the first edition with the date 1775, and gives under no. 1166 the second edition of 1776. The latter edition differs from the first in having on the title "on forty-nine copper-plates", while the present copy still has "forty-eight". It does not yet have "A survey of Lake Champlain", and this map is not called for in the "Index to the Maps". This atlas was composed at about the date of the Declaration of Independence, i.e. July 4th, 1776. — The interior condition is fine; there are only some slight traces of use and some creases near the fold of a few maps.

f16,000

59 — PTOLEMAEUS, C., Geographicae Enarrationes libri octo, Bilibaldo Pirckeymhero interprete. Annotationes Ioannis de Regio Monte in erroribus commissis a Jacobo Angelo in translatione sua. Strasbourg, Joh. Grüninger "communibus Iohannis Koberger impensis", 1525. With large woodcut border round title, small border around each text-page in the first part of the text, interesting woodcut initials, and with 40 (out of 50) fine double-page woodcut maps with text on verso, each of these text-pages decorated with woodcut ornaments. 18th century vellum, folio. = Philips 362 gives the exact collation of this interesting atlas. The missing maps are numbered 4, 27, 35, 42, 44/47, 49 & 50. The maps which refer to America are numbered 28, 34, 49 & 50; of these only the first two are present. The maps are, for the larger part printed from the blocks of the 1522 editions. — See also: Harrisse 136, Harrisse Add. 78, Nordenskiöld 22, 15. — title

a bit thumbed, some leaves with traces of use, some sl. waterstains.

f5600

60 — WIT, F. DE, Atlas. Amsterdam, F. de Wit, n.d. (ca. 1710). With engraved title, printed index & 50 engraved double page maps of which 14 are partially in contemporary handcolouring. Contemporary half vellum (worn, soiled, rubbed). Large folio. == Koeman Wit 7, dates this atlas ca. 1680, but the map of France is dated 1709, so that the date ca. 1710 seems more probable. Thirty-four of the maps have the address of De Wit, the others are by G. Valck, Schenck and Dankertz. The maps are in good condition. Lacks map 14: Poland.

f10,000

61 — BLAEU, J., P. MORTIER & R. Chr. ALBERTS, Nieuw vermeerderd en verbeterd Groot Stedeboek van geheel Italië, o. naauwkeurige Beschryving van alle deszelfs Steden, Paleizen, Kerken en voornaamste Gebouwen, enz. Naar de origineele Afteekeningen op de Plaaten zelfs door Joan Blaeuw... Waar by gevoegd zyn veele Steden, Havens, Kerken e. a. Gebouwen. 's-Grav., R. Chr. Alberts, 1724. 4 vols. With 4 engr. fronts. & a total of 281 engr. maps, plans, views & plates, the greater part folding or double-page; the single-page ones partly containing 2 views. Late 18th cent. green h. morocco, the spines richly gilt, raised in compartments, with red morocco labels and gilt tools of empire-style motives (tops & foots of spines just a trifle rubbed); corners strengthened with vellum), large folio. = Koeman Bl. 95-98A (var.). This is the third edition of Blaeu's Townbook of Italy (the second one with Dutch text), which was for the first time published by J. Blaeu in 1663. Petrus Mortier re-issued all the Blaeu-maps in 1704-'05, added many new maps of his own design, emended several of the Blaeu-maps and put his address o nearly all of them. The edition by Alberts is a nearly unaltered form of the Mortier atlas, only at the end of the 4th volume some unnumbered plates with Alberts' address are found.

Contains I: Lombardye. With front. & 79 maps, plans, views & plates. — II: Den Kerkelyken Staat. With front. & 76 maps, plans, views & plates. Lacks map no. 4 (Campagna di Roma) and 5 (Marché d'Ancona). — III: De Koninkryken Napels en Sicilië. With front. & 40 maps, plans, views & plates. — IV: Ouden en Nieuw Rome. With front. & 86 maps, plans, views & plates. Lacks no. 43: Obeliscus Pamphilius, but contains plates 17 & 18, which are contrary to the copy described by Koeman listed i nthe index and two unnumbered plates with the address of Alberts (Prospetto della Basilica Vaticana arcietterro di C. Moderno and Vue de la fontaine du Pape Paul V), which are listed by Koeman in the French edition only. The last 8 plates of this volume are unnumbered and bear the address of Alberts.

Owing to the fact that the volumes were rebound in the late 18th century, there are some weak spots and small tears in the centre folds of a few plates (esp. in the first volume), while some of the other folds are strengthened; a few significant traces of use and stains in places; small part of the explan. text and a few plates a bit browned. Some of the older plates in weaker impressions, but a fine copy of the most extensive edition, with the additional plans, pls. & views of Mortier and Alberts. With 19th cent. bookplates of J.B Powis.

f20,000

TOTAL MAPS AND ATLASES f159,175 (26 lots)

SOTHEBY'S, 9th & 10th FEBRUARY, 1981 (PREMIUM 10%)

62 JAGER (J.G.A.) GRAND ATLAS D'ALLEMAGNE, engraved title, 80 engraved maps, hand-coloured in outline, 4 extended and folding, 1 extension map bound after the map, 1 engraved sub-title included into the map numbering, 2 maps cut shorter at fore-edge, 1 headline shaved, contemporary half-calf, slightly worn oblong atlas folio (520mm. by 710mm.) Frankfurt, 1789.

£1700

TOTAL MAPS AND ATLASES £10,330 (31 lots)

SOTHEBY KING AND CHASEMORE WEST SUSSEX TUESDAY 24th-26th, FEBRUARY, 1981 (PREMIUM 10%)

63 [OGILBY (JOHN) BRITANNIA], 90 double-page engraved road maps only, various defects, 4pp. index, maps loose in old half leather, worn; v.a.f., sold not subject to return folio.

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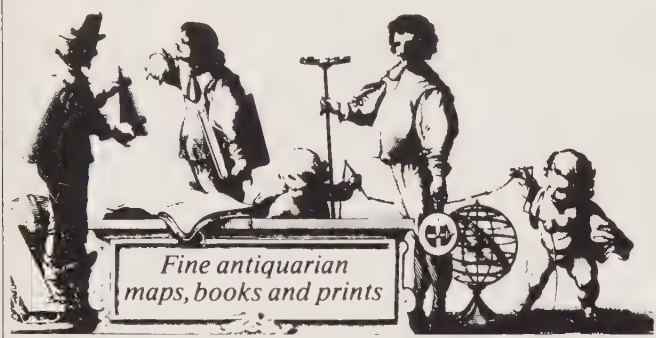
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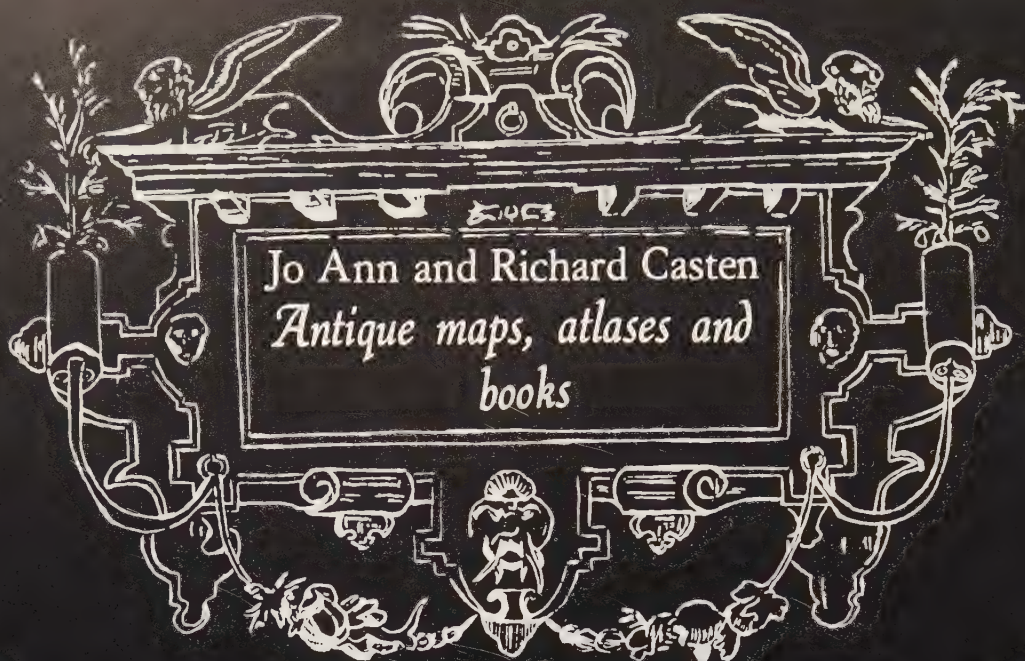
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John Disturnell. [Map of the United States of Mexico.] New York, 1848. Sixteenth Edition. Lithographed folding map. Approximately 30 x 40. Full hand coloring.

This historically important map provides an object lesson on CONDITION as a grading factor. Based on consideration of wear that occurs from the time that it was published, variables include folds, loss of margins, rubs to the surface, tears into the margin and the printed surface, discoloration from the sun, improper paper restoration, coloring that was applied in the twentieth century, and staining.

Disturnell's map was first published in 1846 as a result of keen American interest in the Mexican War. Each of the subsequent 23 editions was issued folded into small simulated buckram cases into which the map was attached by a hinge. A few would have been mounted on cloth and attached to spindles as wall maps. Both uses insured that present-day acquisition of a mint condition Disturnell map is impossible. Opening the case led to tears along the folds, small holes where the folds intersected, and tears where the hinge pulls the map from the binding. Wall maps were usually hung near windows for ease of reading, but the sun light would fade them or other climate changes would take a toll. Within a few decades after issue, the maps were usually seen as obsolete and would suffer further deprivations from neglect.

In the twentieth century the map collector or curator finds challenges in handling such a map. If the original state is folded into a case, should additional tears be inflicted each time the map is used? Should it be completely flattened or partially flattened? Should the paper be deacidified? Can repairs be made to tears and margins replaced? Should missing surface be replaced with India ink by pen? Does new color add to the appeal or value of the map? If dirt is on the surface, should it be cleaned?

Absolute answers to these questions cannot be given because each document must be considered separately, and sometimes the degree of treatment is more important than the decision on whether to alter the map or not. Antique maps develop a patina with age, and a judgement on where grime begins and patina ends is ultimately a decision for the connoisseur. Thus, these decisions must be made with a grading system to assist proper judgement.

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