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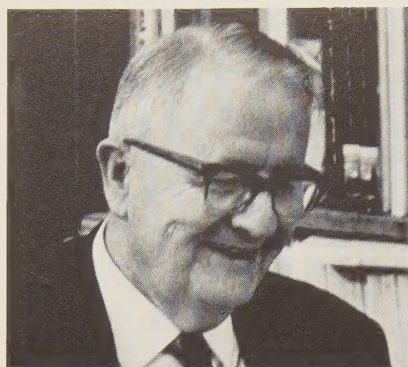
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Cover Illustration

Part of Lazius' 'Map of Hungary' in contemporary colour from Ortelius' *Theatrum Orbis Terrarum*. By courtesy of 'Carta Hungarica Collection.'





RONALD VERE TOOLEY

Editorial

This is the second number of the second year of 'The Map Collector' and we are happy to welcome a steadily increasing membership with new subscribers from all parts of the globe. It is very exciting to receive letters from countries as far away as Japan and Australia saying how much they enjoy reading the magazine.

Our leading article looks at the Ortelius' maps of Hungary in the 'Theatrum Orbis Terrarum'. It is written by László Gróf, who probably has the largest collection of Hungarian maps in private hands; he calls it 'Carta Hungarica'. Mr Gróf left his native Hungary over twenty years ago but still keeps a small part of his country alive in his Oxfordshire, England, home. This is the first article he has written about his collection although he is an experienced author on the subject of stamps and has edited a philatelic magazine called 'Stamps of Hungary' for over eight years.

Bob Akers continues his fascinating series with an article on watermarks. He has promised to write for us again later in the year on the subject of restoration.

Just as we were going to press we heard that Sotheby's were going to auction a composite atlas believed to have been compiled by Gerard Mercator. Peter Scott and John Goss have therefore carried out some rapid research and present their findings. To date very little has been written about this atlas which was found ten years ago by a Dutchman who prefers to remain anonymous. I am sure the sale at Sotheby's on the 13th of this month will be fascinating for all those able to attend.

You will probably notice that we have added an extra eight pages to the magazine and further improvements are planned for later in the year.

We have also computerised our subscription records as the numbers were building up and it was necessary to streamline the renewals procedures. Readers whose subscriptions have lapsed should now receive a personalised renewal notice.

All students and frequenters of the map department of the Royal Geographical Society will regret the passing of Brigadier Gardiner reported on page 44. He fitted so well into the friendly atmosphere there.

The Directory of Dealers appears again in this issue and the American list will be continued in June.

Ortelius

by László L. Gróf

AS FAR BACK as I can remember, maps have always held a special fascination for me. Even those large wall-maps in the classrooms of pre-war Hungary took me to many distant places in my imagination. My love of history came from my father who was a schoolmaster.

I was born in Sárvár, a small provincial town in western Hungary, and by a lucky coincidence, did my national service in the surveying corps. In 1956 I left my home country and arrived in England when my map collecting really began, fired by my love of Hungary and my desire to retain something of my former homeland. My first acquisition was a map of Transylvania from Abraham Ortelius' *Theatrum Orbis Terrarum* and it cost me £4 15s.

Over the years my collection has grown and grown, in fact it grew so much that I eventually had to build an extension to my house with a special 'map room'. The collection is called 'Carta Hungarica' and is probably the largest group of maps of

Portrait (below) of Johannes Sambucus, who was Court Historian in Vienna. Sambucus, a friend of Ortelius with whom he shared a common interest in numismatics, contributed three maps to the *Theatrum*, 'Illyria', 'Transylvania' and 'another Map of Hungary'. It was Sambucus who, in addressing a letter (below right) to Ortelius dated 22nd September, 1563, first described him as a cartographer, 'Domino Abrahamo Ortelio, Cosmographo Antverpiensi amico suo'. (Portrait by courtesy of The British Library. Letter by courtesy of the Houghton Library, Harvard University.)

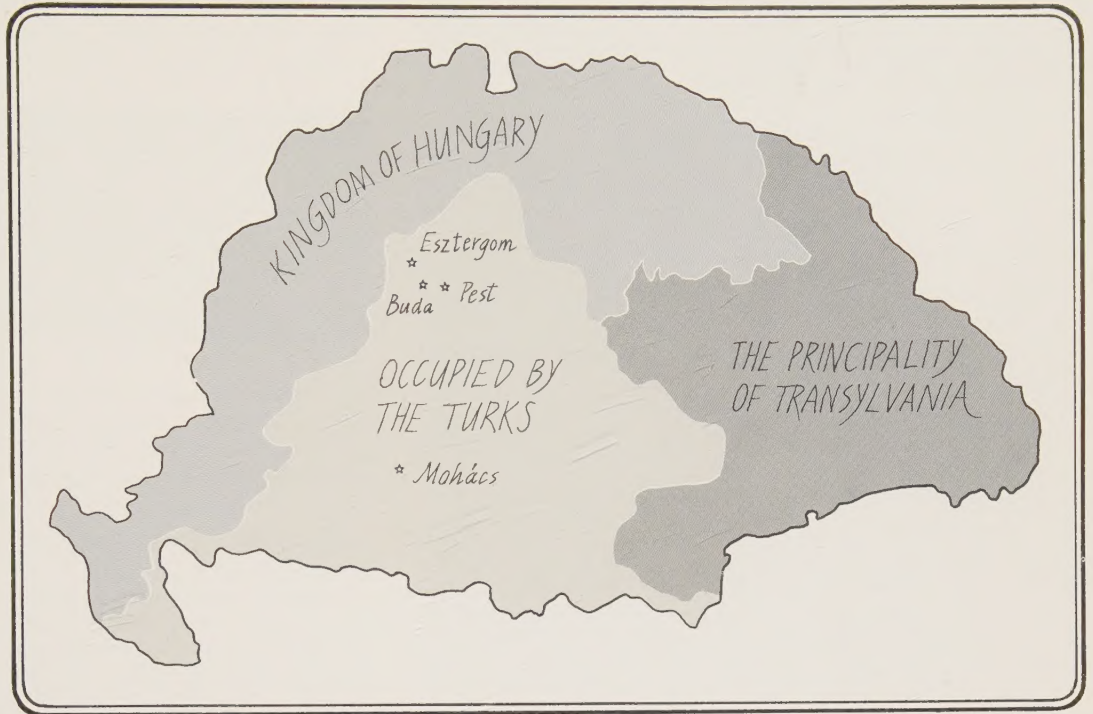


IOANNES SAMBUCUS, MED. ET. HISTOR.
N. De. Larmelin. sculp.

Maps of Hungary

After more than twenty years of collecting maps of Hungary and studying them, László Gróf, who came to England from Hungary in 1956, has decided to publish the fascinating results of his studies and observations with particular emphasis on the Hungarian maps in Ortelius' *Theatrum Orbis Terrarum*.

Following the defeat of Hungary's small and ill-organised army by the Turks in 1526 the country was torn into three parts — the Kingdom of Hungary (a narrow strip on the west and north), the Principality of Transylvania, paying heavy taxes to the Sultan for its liberty and the whole of central Hungary which was under Turkish rule. Map by Ashley Pope.)



Hac nolle Hubertus aliter, quam sentio, accipere: et p[ro]p[ri]am
in ipse Antuerpiam, in illius nomine equo haur, vel etia
minore forina receptum ungi in longe uolat. Flagit
diji hoc statim Huberto signum: scilicet et in adhib
pignorum apud Juam. Litter, qui si uoluerit, ea rescribit.

Mi Abrahamus de Philopola h[ab]ito, ut errata et indig[na]
missu statim meo libello adiciat, et quatuor in totio ligata
et exemplaria mittat ad Hospitium vobis Gandavi: ego p[ro]p[ri]am
p[ro]solui. Die illi B me ia in Emblemata argum[en]to
uolueri, et p[ro]p[ri]am aliquid opusculum. Tu litteras
has huc ad Hospitium vobis mittito. Vale et statim
hoc Huberto scribis, et mihi rescribas. Gandavi
et Septemb[er] 1563. J. Sambucus

Dño Abrahamo Ortelio,
Cosmographo Antuerpiensi,
omnis h[ab]ito.

Tot Antuerpij inde velle
Gimme, in die cammestraft.

q q



Portrait of Wolfgang Lazius, author of the first map of Hungary to appear in the *Theatrum*. (By courtesy of the British Museum Ref. 1910-2-8-38.)

Hungary, including those of Slavonia, Illyria and Transylvania, in private hands.

Historical Background

The dramatic expansion of the Ottoman Empire in the sixteenth century caused a great deal of anxiety in Christian Europe. Hungary's fate had already been sealed, when in 1526 her small and ill-organized army was heavily defeated at Mohács, Southern Hungary, by the superior numbers of Sultan Suleiman's janissaries. With the Hungarian army destroyed and young King Luis II dead, the most miserable period in Hungarian history began. The lost battle at Mohács opened up the route to Hungary's heartland, and the country was effectively torn into three parts; the Kingdom of Hungary, (a narrow strip on the west and north), the Principality of Transylvania, paying heavy taxes to the Sultan for their liberty, and the whole of central Hungary, which was under Turkish rule.

The Renaissance splendour of Buda, where arts and crafts flourished under Matthias Corvinus (1458-1490), the only national king since the extinction of the Árpád dynasty in 1301 – had long gone, his world-famous library of Corvinas ransacked and carried off to all parts of Europe. Cartography, which began under King Matthias' reign became impossible under these conditions, and cartographers relied mainly on the map of Lázár the Clerk (Eleazarus), secretary to Tamás Bakócz, archbishop of Esztergom, whom Ortelius mentions amongst the best cartographers in the *Catalogus Auctorum* of his

Theatrum. Lázár's map was published posthumously in 1528 by Tanstetter in Vienna, and his disastrous mistake of not recognizing the correct orientation of Lázár's manuscript is the reason for the distorted angles of rivers and the grossly incorrect latitudes in the eastern part of the country. As only a very limited amount of fieldwork was possible, and that confined to the 'safe' area of Upper Hungary, cartographers copied and even distorted the mistake for the following 200 years. No mapmaker would have risked his neck by venturing into occupied Hungary, where both Hungarians and the Turks were 'harsh to strangers', as John Speed explains in the text to his map of Hungary.

Abraham Ortelius and his "Theatrum Orbis Terrarum"

Abraham Ortelius (1527-1598) was born at Antwerp and was of German descent. In fact, it was a Hungarian, Johannes Sambucus, who first described Ortelius as a cartographer. Sambucus, eminent historian and collector of antiquities, in a letter to Ortelius addressed him as 'Domino Abrahamo Ortelio, Cosmographo Antverpiensi amico suo'. The letter was dated September 22, 1563.

Ortelius' greatest work was the *Theatrum Orbis Terrarum* which appeared in 1570. It had to be reprinted four times in the first year to satisfy the demand and it brought Ortelius fame and fortune. Tributes to the work came pouring in from everywhere in Europe. Sambucus had been so impressed with the volume presented to him that it prompted him to write, 'I am under a great obligation to you for your *Theatrum*, not ordinary gift as you may think'. Ortelius' energy and drive must have been quite remarkable as he still found time for studies in the field of archaeology and numismatics, the results of which he also published. Numismatics was a common interest which he shared with Sambucus, Court Historian at Vienna.

The material for the *Theatrum* was collected with great care and Ortelius never failed to give due recognition to all the cartographers from whom he obtained maps. He tested their names in the *Catalogus Auctorum Tabularum Geographicarum* printed in the *Theatrum* and included Augustinus Hirsvogel, Iacobus Castaldus Pedemontanus, Ioannes Cuspius, Ioannes Honterus, Ioannes Sambucus Pannonius, Mathias Cynthius and Wolfgangus Lazius, all of whom contributed to the cartography of Hungary.

The Maps

The area of the 'Holy Crown of Hungary' in the sixteenth century – before the Turkish occupation – covered the whole Carpathian basin. Some parts, like Slavonia in the south and Transylvania in the east, administered their own internal affairs independently but nevertheless formed an integral part of the Kingdom of Hungary. This remained so until the end of the first World War when the Treaty of Trianon awarded these areas to the neighbouring states.

The Turkish expansion into Southern and Central Europe created a great deal of interest in Western Europe, which gained reflection in the number of maps published covering the

and threatened and most vulnerable – Hungary. Of the fifty three maps in the first edition of the *Theatrum* three maps were from the area. By 1573 an additional map of Illyria by Sambucus made it four, and by 1579 it rose to five with another map of Hungary, also by Sambucus. This was contrary to Ortelius' intentions, as he was determined to 'have but one map of each country'. After the map of Pannonia appeared in the fourth *Additamentum* in 1590 the number of maps relevant to Hungary in each atlas was six folio sheets. There are 154 collectable maps under this heading including the *Parergon* and *Additamentum* editions.

Dating the maps is not too difficult as the folio numbers had to be constantly changed with the increasing number of maps in each edition. I have compiled a table of editions which acts as a reference for dating the maps. Exceptions are the 1571 and 1575 Latin, the 1573 and 1587-89 German, the 1610 Dutch and the 1612 Italian editions, when both text and folio numbers remained the same as in the previous, same language edition. (see page 10 for table)

Unexpectedly, a variant has turned up which does not seem to fit the jigsaw. The map is Lazius' 'Hungary' with the folio number 76. Although the folio number is the same as the maps in the 1579 edition of the *Theatrum* in the British Library and the Bodleian Library, the text is different. As the last paragraph in the text was progressively enlarged with further acknowledgements, could it be that the map is from an un-

recorded edition published sometime between 1575 and 1579?

Map 1 Hungary

The early editions of the *Theatrum* had only one map of Hungary by Wolfgang Lazius. Its title HUNGARIAE DESCRIPTIO, WOLFGANGO LAZIO AVCT. is at the top in a full length strip cartouche. The arms of Hungary and 'Cum Privilegio' appear in the top left hand corner of the map while in the lower right hand corner the circular strap work cartouche contains explanatory text to help the reader with Hungarian pronunciation. Immediately next to this is the 'Scale Milliarium Hungaricoru' surmounted by a compass. It appears that the plate has been reworked, more than once, giving extra detail to cartouches and other features.

Lazius used the map of Lázár the Clerk as a source and by trying to correct the line of the River Danube he actually distorted the map. In consequence, all those who relied on Lazius for their maps perpetuated this error. It was only corrected in the early eighteenth century by Count Marsigli who undertook the mapping of Hungary.

Map 2 'Another Map of Hungary'

... is the title of the English text on the verso of Sambucus' map of Hungary which appeared in the *Theatrum* from 1579 onwards alongside Lazius' 'Hungary'. Ortelius himself praised this map as 'more exact and true' and felt it necessary to 'adjoine unto the former'. Indeed it was Sambucus who re-wrote all the place names distorted by foreign authors, giving them their correct Hungarian spelling. Another special feature of his map is the engraved pastoral views which reflect the animal husbandry of the inhabitants. The cartouche in the lower right hand corner incorporates the title of the map VNGARIAE LOCA PRAECIPVA RE/CENS EMENDATA ATQVE EDITA, PER IOANNEM SAMBVCVM PANNO/ NIVM, IMP. M^o HISTORICVM 1579'.

The distortion of the Danube is still unchanged but the

Map 1. The first map of Hungary to appear in the *Theatrum* was that by Wolfgang Lazius. It was based indirectly on the manuscript of Lázár the Clerk (Eleazurus) secretary to Tamás Bakócz, Archbishop of Esztergom, whom Ortelius mentions amongst the best cartographers in the 'Catalogus Auctorum'. Unfortunately, when the map was published posthumously in 1528 by Tanstetter in Vienna, he made the fateful mistake of not recognising the correct orientation of Lázár's manuscript. As a result he distorted the angles of rivers and also latitudes in the eastern part of the country. These errors were copied by Lazius and all other cartographers for the following 200 years. (By courtesy of the Carta Hungarica Collection.)



Map 2 (right). In 1579 Ortelius broke his original intention of having just one map for each county in the *Theatrum*. He added a further map of Hungary by Sambucus to that of Lazius and in the text (far right) on the reverse he explains the reason why and invites the reader to make his own choice as to which one to use (Map and text by courtesy of the Carta Hungarica Collection.)



Tihany Peninsula has been corrected, now protruding into Lake Balaton from the north. Plate damage in the lower right hand corner appeared in the later editions, by the last edition of 1612 extending to some 30mm. On some sheets the damage was redrawn by hand, on others it remained with the corner of the frame partly missing.

Map 3 Slavonia

‘SCHLAVONIAE, CROATIAE, CARNIAE, ISTRIAE, BOSNIAE, FINITIMARVMQVE REGIONVM NOVA DESCRIPTIO, AVCTORE AVGVSTINO HIRSVOGELIO’.

Hirschvogel's map, without any longitude or latitude graduations, covers the area of Croatia and Bosnia, part of Austria and Hungary. The title of the map is placed in a full-length cartouche at the foot of the map, and the ‘Scala Miliarum’ is immediately above this, without any ornamentation. The compass rose, which is at the lower right hand corner – is again rather plain and functional, and has the arrow pointing to the south. ‘Cum privilegio’ above. A total of 466 places are marked with 465 place names, having left one unnamed by the Fekir river in Windischland, just above the River Sava. The places are marked with small, view-like engravings, some of them larger, according to their importance. Of the forests only Pierbaumer Wald is named, the rest are marked with groups of trees. Mountains are represented with shaded hills. The beautiful calligraphy marking the Adriatic sea is enhanced by a barge in full sail.

Map 4 Illyria

‘ILLYRICVM. IOAN. SAMBVCVS ORTELIO SVO, S. Mitto hanc quoque tabellam docebit. Viennae, Vale, 25. Octob. 1572’.

This map of Illyria by Sambucus corresponds roughly to the area of Hirschvogel's Slavonia, and was published in Vienna in 1572. Sambucus wasted no time in sending it to Ortelius, who in turn at once included it in the first *Additamentum* of 1573. The fact that this map also appeared in the Dutch edition, dated 1571, seems to be confusing at first. Only two separately dated atlases with Dutch text were produced, (the other in 1598) and though many Dutch editions were prepared and sold between 1571 and 1598 the date in the colophon remained the same – 1571.

The map is rather plain, with very little ornamentation, and with a modest frame of small rectangles surrounding the engraved surface, inside which both longitude and latitude and the points of the compass are marked. The title cartouche is in the right hand bottom corner and the graduated scale for ‘Milliaria communia & magna’ is placed opposite. Sambucus almost doubled the number of places indicated – 720 in all – but left several of them unnamed, mainly in parts of Hungary and Slavonia. Again the towns and villages are marked according to their importance, including fortifications, which are also shown. Forests are represented by groups of trees, while the hills and mountains vary in size and are shaded mainly on the right. The plate had cracked in two places by the left hand margin fairly early in its life and although showing sign of repair the cracks got progressively worse. By the time of the English edition they extended into the engraved surface of the map itself. Despite this they continued printing from the plate until the final edition of 1612.

Map 5 Transylvania

This is the only map by Sambucus which had appeared in all the editions of the *Theatrum*, although from two different engravings. This variant is not listed by Koeman, nor is it



An other Mappe of HUNGARY.



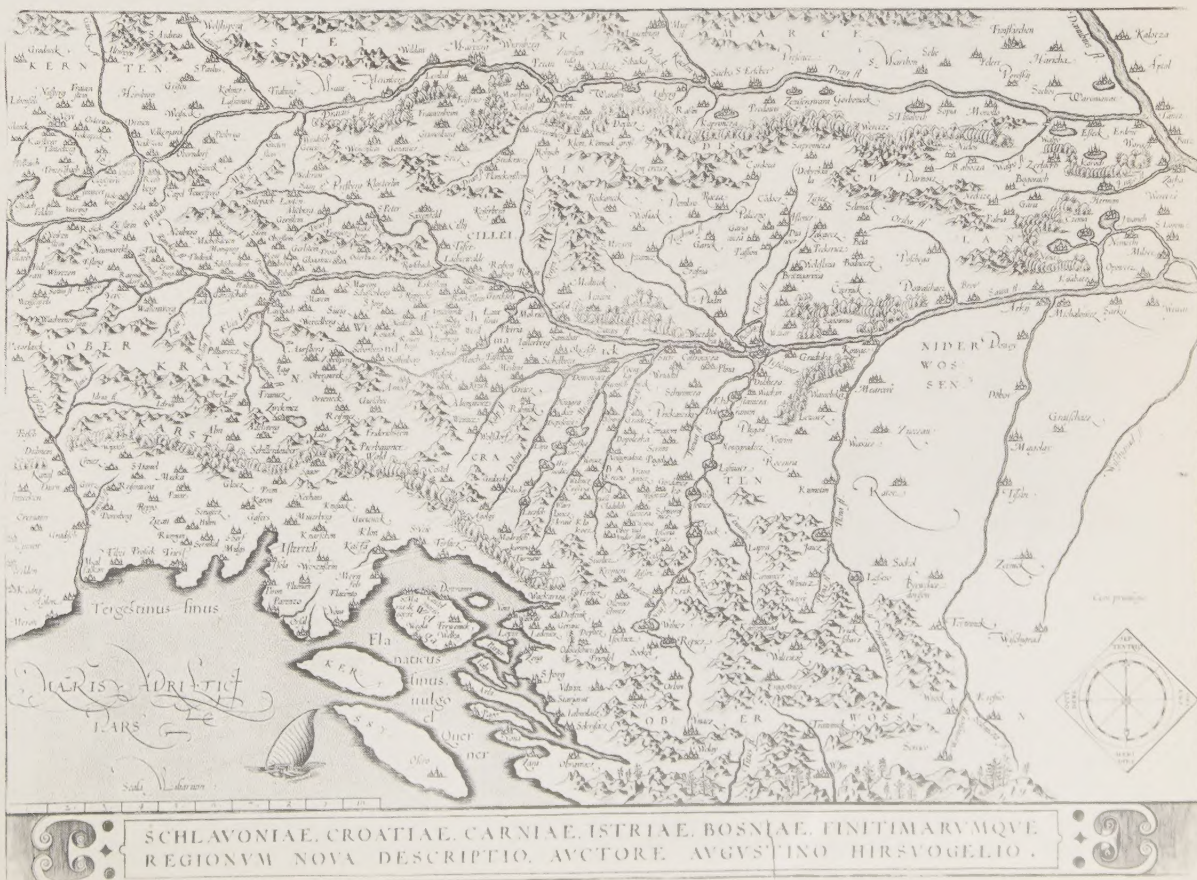
His second description of *Hungary* more exact and true, as the famous learned man *Iohn Sambuke*, this countryman borne, maketh me beleue, (for euery man, as *Pliny* in his *Naturall history* most truely witnesseth, describeth the plot and situation of the country best wherein he himselfe was bred and borne) we haue thought good in this place to adioine vnto the former, and that beside our purpose: when as our promise was of ech country, to set out but one Mappe. But because I thinke neither of them to be of it selfe absolute inough for the worth of this so goodly a country, I haue thought it behouefull to the Reader, to set out both in this our Theater. He that shall compare them one with the other, shall find oft times great variety in the situation of places, and turnings and windings of the streames and riuers: and yet there is no reason why presently any man should condemne the authours of want of skill or diligence in describing it: but let him iudge of it, as *Strabo* most truely doth of *History*: for he doth not by and by thinke that history to be reiected, when they that haue set it forth, do not altogether agree in the descriptions of places: when as the truth of the whole history is many times by that disagreement more plainly demonstrated. Let therefore the diligent Reader and student of Geography, for whole good we do whatsoeuer we possibly can, vse one or both at his discretion, seeing that we are forced to do what we may, not what we would.

mentioned in the Hungarian reference works, including Fodor's three-volume 'Magyar Térképírás' (Hungarian Map-making). The second engraving was first used for the Plantijn edition of 1579, and therefore it is likely that damage to the plate had occurred while transferring plates from one printing house to

another. This would then necessitate making a completely new plate.

The two engravings are easily distinguishable as the small cartouche on the right hand edge of the map has five lines of text in the first engraving, and only four in the second. Other

Map 3. Hirschvogel's map of Slavonia. (By courtesy of the Carta Hungarica Collection.)





Map 5. This is the second engraving of the map of Transylvania by Sambucus. It is easily distinguishable from the first engraving by the additional decorative border and by the resetting of text in the small cartouche on the right hand edge to four instead of five lines. The title cartouche design was also altered. (By courtesy of the Carta Hungarica Collection.)

Map 4. Sambucus' map of Illyria which corresponds roughly to the area of Hirschvogel's Slavonia (By courtesy of the Carta Hungarica Collection.)



Map 6. Pannonia (By courtesy of the Carta Hungarica Collection.)

Map 7 Dacia

DACIARVM,/MOESIARVM=/QVE, VETVS/DESCRIPTIO. Another map by Ortelius from his collection of maps of ancient civilisations, first published in the *Additamentum* of 1595 without a folio number. It was also included in the *Parergon* section of the *Theatrum* in the same year marked by an S in place of a folio number.

The map has a decorative border with longitude and latitude graduations, and the title-cartouche is placed in the lower left hand corner. The map itself covers the area of Central Hungary on the West to the Black Sea in the East and to the Bosphorus in the South.

Paper and Watermarks

Paper was expensive when the maps for the *Theatrum* were printed and so very little of it was wasted. One often sees old books where the binding reveals even earlier paper, sometimes manuscript, salvaged and made good use of. (I have a map of Transylvania by Jansson, which has a map of the Palatinate of Bavaria stuck onto the back, but which had had the text of the Transylvania map printed on it in error.)

Most of the paper for the *Theatrum* came from France, where the great papermaking centre of Troyes supplied most of the Antwerp printing houses. The makers in Troyes included the family of Le Bé, Nivelles, Denise, and others, whose marks can be identified by their initials. The large crossed arrows mark, much used in the *Theatrum*, is also thought to have come from here as the local records have the same watermark.

A few maps in the *Theatrum* have watermarks, which did not come from France, but from the Rhine countries. Such a mark is the displayed eagle in the rare Dutch edition of 1571- (73), (British Library, Maps C.2. c.5.)

I have identified some ten different watermarks, excluding the variants, the list of which is almost endless as no two marks seem to be exactly the same. Most prevalent are the

changes in the design include an additional decorative border, making it almost 17mm wide in contrast to the first plate's border of only 7mm. The cartouche design was also altered, as the title cartouche in the first engraving has pointed strapwork at the sides, while the grotesque head in the lower left hand cartouche has more detail in the second, although the general appearance of the map is not as fine.

Map 6 Pannonia

'PANNONIAE, /ET ILLYRICI VE/TERIS TABVLA./ Ex consilio geographicis Abrahami Ortelii Antverpiani'.

The map of Upper and Lower Pannonia by Ortelius which extends from Vienna (Vindobona) in the North to Macedonia in the South, Venice (Venetia) on the West and the Tibiscus (Tisza) river in the East. The very elaborate title-cartouche takes up most of the upper right hand corner, while two smaller ones are placed in the upper left hand and lower left hand corners. Ortelius first published it in the *Additamentum* edition of 1590 without any numbering on the verso. The text gradually increased from one folio page in 1590 to both sides of the verso by the English edition of 1606. It was published with text in Latin, German, English, Italian and Spanish, although the copy in my collection from the 1612 Spanish edition has Latin text and is numbered xxiii.

Theatrum Orbis
Terrarum
A. Ortelius
HUNGARY etc.

Edition	Text	Scythia	Illyria	Hungary. Lazius	Hungary. Samb.	Transylvania I	Transylvania II	Pannonia	Dacia
1570	L	41		42		43			
1571	L	41		42		43			
1571	D		41	42		43			
1572	F	41		42		43			
1572	G	41		42		43			
1573-A	G								
1573-A	L		41A						
1574-A	F								
1573	L	70	54	56		57			
1573	D		54	56		57			
1573	G	41		42		43			
1574	L	70	54	56		57			
1575	L	70	54	56		57			
1579-A	L				56A				
1580-A	L				56A reset				
1579	L	74	73	76	77		78		
1580	G	74	73	76	77		78		
1581	F	73	74	76	77		78		
1584-A	L								
1584-A	G								
1585-A	F								
1584	L	81	80	83	84		85		
1587	F	81	80	83	84		85		
1588	S	81	80	83	84		85		
1589	L								
1587-89	G	74	73	76	77		78		
1590-A	L							*	
1591-A	G							*	
1591	L								
1592	L	88	87	90	91		92	8	
1595-A	L							*	
1595	L	93	92	95	96		97	I	S
1597-A	G								
1598	D	65		66			67		
1598	F	93	94	96	97		98		
1601	L	92	93	95	96		97	xvij	xxiiij
1602	S	95	96	98	99		100		
1602	G								
1603	L	96	95	98	99		100	XIX	xxvj
1606	E	92	93	95	96		97	xvij	xxiiij
1608	I	103	102	107	108		109	XIX	xxvj
1609	L								
1610	D	65		66			67		
1612	L	104	103	108	109		110	XIX	xxvj
1612	I	103	102	107	108		109	XIX	xxvj
1612	S	104	103	108	109		110	xxiiij	xxvj
1595	P								
1624	P							xvij	XXX

D = DUTCH E = ENGLISH F = FRENCH G = GERMAN
I = ITALIAN L = LATIN S = SPANISH
P = PARERAGON * = NOT NUMBERED

crossed arrows, of which two distinctive types exist, and the horn, within or without shield. The Fleur-de-lys and the monogram 'N' represents paper from the Nivelles mills, the twisted columns came from the Denise family. The coat-of-arms with the stag's horn belonged to Montbéliard.

The Cartographers

Augustin Hirschvogel (1503-1553) was born in Nuremberg in 1503, and spent his early life there. As Nuremberg was one of the great cultural centres in Germany during the Middle Ages and the Renaissance many famous scholars and geographers worked and taught there, Regiomontanus, Etzlaub, Schedel and Zündt were amongst those whose influence made Hirschvogel an artisan of high repute. His map of the Turkish border, which he presented to the Magistrature in 1539 brought him recognition and drew him into closer contact with Vienna. His map of Hungary on twelve sheets was completed after many years of work, and his map of Slavonia appeared in all the editions of the *Theatrum*.

Wolfgang Lazius (1514-1565) could have been Hungarian, Transylvanian or Austrian, depending on the differing authorities. Wolfgang Lazius, or Lazius Farkas in Hungarian was a man of many talents – cartographer, court surgeon, historian and Professor of Medicine at the University of Vienna. As a cartographer Lazius was even more prolific than Hirschvogel, and his ten sheet map of Hungary which appeared in 1556 must have caused him considerable anxiety as only limited field survey was possible in Hungary. He was especially frustrated with Lázár the Clerk, whom he called 'some Hun', as he himself did not recognize Tanstetter's erroneous orientation, to which I have already referred. His map of Hungary appeared in all editions of the *Theatrum*.

Johannes Sambucus (1531-1584) or János Zsámboky in Hungarian – has always included Hungary after his name. He was born in Nagyszombat (Tyrnau) in the County of Pozsony, Upper Hungary, on July 25th, 1531. Like Lazius Sambucus also became physician and historian to the Court of Vienna. He also held a professorship at Bologna University.



&c. ad Meridiem verò Coloſiam, Bachiam, Zegeſinum, &c. vltra Tibiſcum, Varadinum, Dedrecinum, &c. cum fodinis auri & argenti. Seuerinum, vbi pontis olim à Traiano Imperatore exſtructi veſtigia etiam nunc apparent, & alia quæ breuitas hiſtorica nunc prolixius vetat enumerare.

Incolæ Scythica lingua vtuntur, ab omnibus finitimis diuerſa. Nulli regioni terrarum hominum robore, pecorum fœcunditate, vbertate foli, metallorum copia cedens. cœli benignitate, & pulchritudine ſitus, omnibus Orbis regionibus ſuo iure poſſit anteferri. Tellus rerum omnium copia à natura donata; vbi aurum, argentum, ſal, lapillos, colores effodere licet. Frumenti, pabuli, leguminis, & pomorum abundantia præſtat. Neque deest amnicorum copia piſcium, & cupri confectura; in plerisque fluminibus auri optima ramenta inueniuntur: quin & in vitibus in aurifero ſolo ſatis aurum quandoque legunt.

Hæc ex Stephani Broderith opusculo; & Antonij Bonfinij rerum Hungaricarum Decadibus collegimus; quos ipſos ſtudioſus Lector conſulere poteſt. Videat etiam Moſcouitica Commentaria Herberſteinij, Matthiam à Michou de Sarmatiis; Cuſpinianum in ſua Aſtria, & Munſterum. Scripſit & Georgius VVernherus de admirandis Hungariæ aquis opusculum.

76

prolixius vetat enumerare.

Incolæ Scythica lingua vtuntur, ab omnibus finitimis diuerſa. Nulli regioni terrarum hominum robore, pecorum fœcunditate, vbertate foli, metallorum copia cedens. cœli benignitate, & pulchritudine ſitus, omnibus Orbis regionibus ſuo iure poſſit anteferri. Tellus rerum omnium copia à natura donata; vbi aurum, argentum, ſal, lapillos, colores effodere licet. Frumenti, pabuli, leguminis, & pomorum abundantia præſtat. Neque deest amnicorum copia piſcium, & cupri confectura; in plerisque fluminibus auri optima ramenta inueniuntur: quin & in vitibus in aurifero ſolo ſatis aurum quandoque legunt.

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76

The lower text on the verso of two Latin editions of Lazius' map of Hungary. Each has the folio 76 and similar text settings have been seen in different editions of the *Theatrum* in the British Library and the Bodleian Library. Both are dated 1579, suggesting a variant edition not previously recorded. (By courtesy of the Carta Hungarica Collection.)

but it is generally accepted that Sambucus was not a cartographer independent of other sources. His map of Transylvania, which he published in 1566 in Vienna, is based on that of Monterus, and his map of Hungary on Apian-Tanstetter. However, the source of his map of Illyria remains unknown. Sambucus was also a dedicated collector of antiquities. His

interest in manuscripts and above all in numismatism no doubt contributed to the friendship between him and Ortelius. After his death in Vienna, on the 13th June, 1584, more than five hundred manuscripts collected by him passed into the possession of the Hofbibliothek.

I would like to thank the map dealers of London, particularly Roger Baynton-Williams and the firm of Weinreb and Douwma Ltd, for their assistance in building up the collection. Also, my thanks to the staff of the Map Room at the British Library, whose help and assistance with my research was invaluable.

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Map. 7. Dacia (By courtesy of the Carta Hungarica Collection.)

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History of Watermarks

by Bob Akers

Collectors of maps, prints and drawings on early paper always want to know the value of watermarks in dating works of art and their use in exposing forgeries but, as Bob Akers, Principal Lecturer-in-charge of Bookbinding and Paper Conservation at Camberwell School of Art, explains, the information they provide may sometimes be unreliable. Here he gives the reasons why and traces the history of these fascinating 'hidden designs' from the thirteenth century until the present day.

MOST MAP COLLECTORS will be familiar with watermarks, those interesting and often artistic distinguishing marks that are only fully revealed when paper is held up against the light.

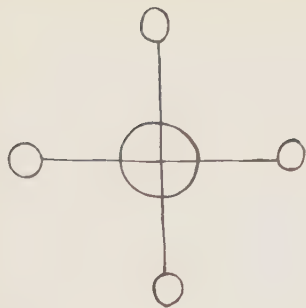
Their study can prove fascinating especially as the significance of the numerous ancient symbols used for watermarks often remains a mystery. It is sometimes suggested that the watermark designs on old papers possess hidden meanings connected with religion, folklore or mysticism.

Unfortunately, the term watermark is rather misleading. A more accurate description is provided by the earlier English term 'papermark' and the French 'filigrane'. Paper is marked in the course of making: the designs are shaped from fine wire and sewn to the surface of the paper maker's mould on which the sheet is formed and lifted from the vat. The wire acts as a form of matrix, the impression of which is formed in the paper. The resulting difference in the thickness of the paper produces the translucent watermark image which appears in delicate light lines on a darker background.

Early Watermarks

The year the first watermark appeared is still open to some doubt but it is generally agreed that they first started to appear in Italian paper towards the end of the thirteenth century and quickly spread throughout Europe. The earliest known watermark appears in an Italian paper made in Bologna in 1282. It represents a pommé cross with small circles at the ends of the arms of the cross and a large one at the centre.

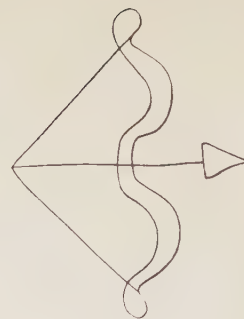
The original purpose of the watermark remains obscure although a number of different theories exist. One theory suggests that early watermarks were used by heretical paper makers as symbols for religious propaganda or were used by mystical groups to carry signals with hidden meanings. It is also suggested that watermarks sewn to the surface of each mould made it easier for the paper maker to identify each matching pair of moulds. This, however, seems a very elaborate and expensive method of marking for identification when numbers attached to the side of each mould would have obtained the same result. A more acceptable explanation is that paper makers, who in the Middle Ages made and sewed the watermarks on to their own moulds, considered their work as an art and formed the various designs to satisfy



A pommé cross, the earliest known watermark which appeared in a paper made in Bologna Italy in 1282.



The hunting horn was used by mills in many European countries, Genova Italy 1333 (Briquet 7642).



Some early paper makers may have also been warriors. The archers bow and cross bow appear often. Genova Italy 1358 (Br 795).



Grape clusters appear frequently. This one is very similar to that used in the paper on which Gutenberg's 42 line Bible was printed. Braunschweig Germany 1438-45 (Briquet 12995).



Initials were often used. The letter P seems a particular favourite. 466 examples are listed in Briquet. Chartres France 1475 (Briquet 8694).



Dogs, often referred to as man's best friend found their way into early watermarks. Alost Belgium 1480 (Briquet 3625).



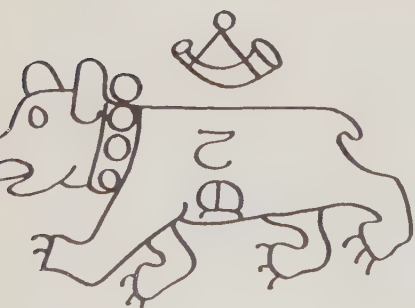
Much favoured in mediaeval times the legendary unicorn was widely used. The first examples date from the middle of the fourteenth century. Argences France 1518 (Briquet 10443).



The early paper maker used a waterwheel for the manufacture of his paper. It became a popular symbol for a watermark particularly in Auvergne where paper is still made today using the same methods employed in the Middle Ages. Chateaudun France 1526 (Briquet 13497).



The hand or the glove often surmounted by a cross, star or some other ornament was frequently used. Perigueux France 1540-50 (Briquet 10825) Rennes France 1559 (Briquet 11240).



Bear watermark. Animals were popular symbols for early watermarks. Similar designs also appear in paintings, tapestries and incunabula of the Middle



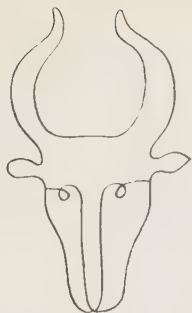
Eagles were used as armorial emblems of the Holy Roman Empire and appear in a variety of forms. This shows a double eagle. Berlin Germany 1561 (Briquet 225).



Coat of Arms with inscription. For the most part these designs were used for the purpose of paper identification. Dresden 1571 (Briquet 1411).



Eagle with halo clasping a book is symbolic of St. John the Evangelist. Lyon France 1363 (Briquet 66).



Ox head, by far the commonest symbol used for watermarks in the Middle Ages. Briquet lists 1350 designs. They are often surmounted with a star, cross or similar ornament. Lucca Italy 1373 (Briquet 14136).



Devotional watermark of an angel Troyes France 1410-12 (Briquet 601).



The lion often used as an heraldic beast appears in various forms. Nantes France 1487 (Briquet 10576).



Crown and cutlass. Eichstadt Germany 1493 (Briquet 5143).



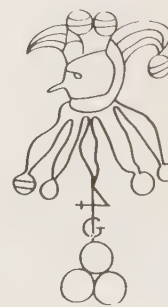
Crowns were used from about 1320 onwards. The crown symbol became the name of a size of paper hence crown, double crown. Innsbruck 1501 (Briquet 4936).



Early paper makers were also interested in astronomy. This symbol shows a globe on which are marked the various paths of heavenly bodies. Toulouse France 1550 (Briquet 13994).



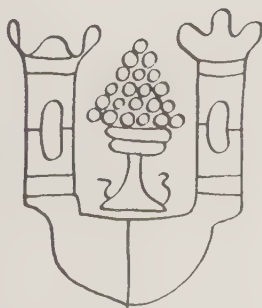
Symbol of Christianity included in a form of Coat of Arms. 1552 (Briquet 967).



Head of a jester wearing a cap with bells. This design was adopted for the size of paper called Foolscap which remains in use today. Rostoff 1555 (Briquet 15748).



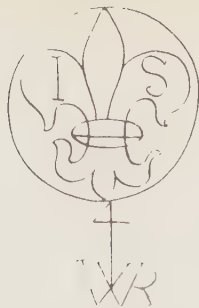
Fish forms were represented in many watermarks usually carp, tench or trout. Nürnberg Poland 1574-79 (Briquet 12430).



Coat of Arms with two towers and cluster of grapes. Nürnberg Germany 1575 (Briquet 2126).



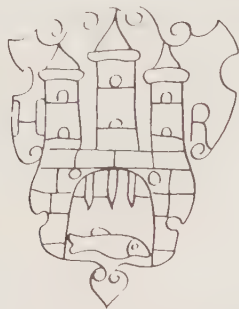
Coats of Arms provide some of the more elaborate and decorative symbols. The early paper makers knowledge of heraldry must have been very limited as some



Fleur de lys is one of the oldest symbols, appearing as early as 1285. Eltville Germany 1595 (Briquet 7124).



Jugs, urns, goblets, cups and other vessels were often used as symbols. This one has the initials of the place of origin of the paper maker. Provence France 1596 (Briquet 12869).



Typical tower, symbol of a quality paper. Bremen Germany 1597 (Briquet 2347).



Cock, one of many examples of birds. Tokay Hungary 1598 (Briquet 4483).



A large amount of paper was imported into England in the early part of the eighteenth century mainly from Italy and

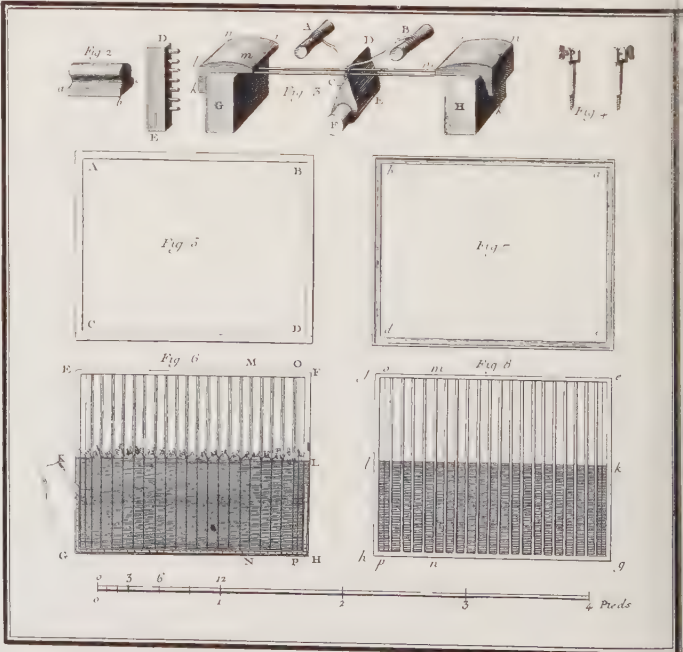
their own artistic natures. They were paper makers by trade and the mark of their trade was the watermark, used at a time when only stone-masons, mint-masters and goldsmiths were entitled to mark their products in a similar way. Whatever particular theory is correct some of the countless variations of the symbols and devices used by early paper makers may well have had more than one meaning or purpose.

The watermark designs of the thirteenth and fourteenth centuries were rather primitive. This was probably because the early paper makers lacked the necessary artistic ability coupled with the difficulty that the wire used to fashion these designs was initially of a very heavy gauge, not easily shaped into intricate patterns. During the following centuries these designs grew in complexity as craftsmen took a greater interest in them and began to produce an astonishing richness of shapes and ideas. It is surprising what a wealth of motifs the early paper maker used for his watermarks. The standard source of information on the subject is the four volume work *Les Filigranes* by Dr. Charles Moise Briquet (1839-1918) the Swiss watermark expert. This monumental work published in 1907 contains tracings of 16,112 European watermarks extending up to the year 1600 but not including any from Great Britain or Scandinavia. Regrettably there is no comprehensive volume on the subject of the watermarks of paper makers in the British Isles.

It is interesting to note that no watermarks of symbols or devices are found in early Oriental papers. This is accounted for by the fact that the designs shaped from fine metal wire used for European watermarks would not have been possible with the thin and brittle strips of bamboo used by the Chinese in the construction of their paper making moulds.

Classification

Watermarks from their early beginnings in the thirteenth century until the latter part of the eighteenth century, when they tended to lose their simplicity, are usually classified into four categories according to their subjects, simple designs or symbols; human beings and human belongings; fruit and vegetation; animals and insects.



Engraving from Diderot's encyclopaedia showing the construction of a paper mould.

Most of the early watermarks were in the form of crosses, circles, triangles, ovals, knots and other devices of the simplest kind that could be fashioned in wire. Crowns and crosses signifying the power of the state and the church appear frequently in all their forms and variations as part of a watermark. Sun, moon and stars also find their place in an array of patterns.

The second category, human beings and human belongings, includes many thousands of designs. The male figure was rarely used and the female figure usually only appears in mermaid form. Parts of the human body, the head, feet and hands were frequently used. The hand was symbolic of fidelity and labour and was used by the paper makers of various countries as watermarks. The hand often appears surrounded by a cross, star or some other ornament. The works of man embrace agricultural implements and small tools such as shears, spades, swords, pruning hooks and axes. Also used were the everyday things with which the paper maker was most familiar, his waterwheel, scales, tongs and even his cart.

The third category of fruit and vegetation includes such watermarks as flowers, sheafs of wheat, pine cones, grape clusters and acorns. In a number of the old symbols there are combinations of the works of man and vegetation such as a bunch of grapes with a bell or crown.

The fourth category includes animals and legendary beasts as well as snakes, fish, snails, turtles, crabs and most other living creatures. The bull's head and the legendary unicorn were particular favourites.

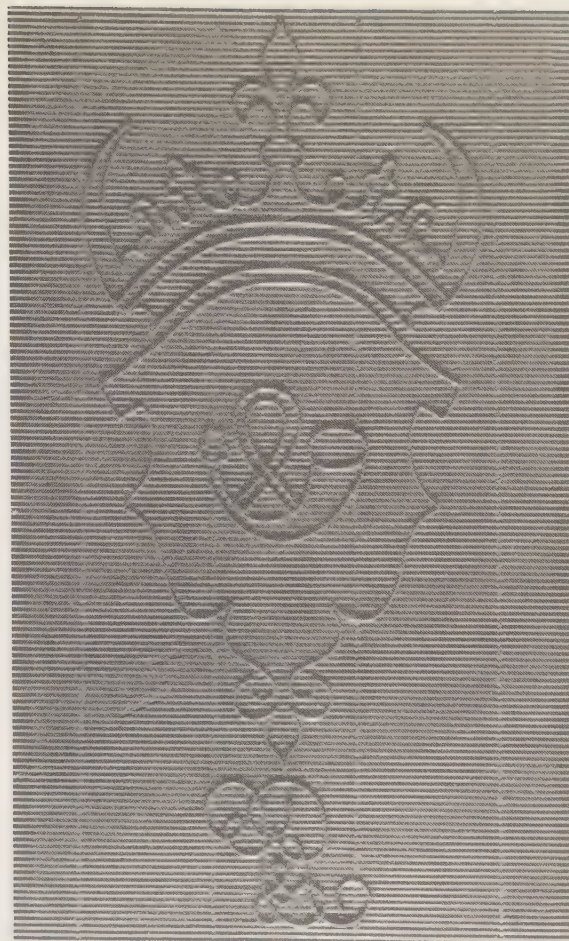
Makers of early watermarks obviously knew their business and worked within the limitations of the paper making process. Symbols having small circles, long straight lines and solid areas which could have created problems during the forming of the sheet, were usually avoided.

The position of the watermark design in handmade sheets of paper tends to vary considerably. Initially, most watermarks were positioned to appear in the centre of each sheet. When the sheet was folded into folios for bookwork these tended to become concealed in the backfolds of the binding. To overcome this problem it became customary for the watermark to be positioned in the centre of one half of the sheet with a further watermark called a 'countermark' facing it on the other half of the sheet. The maker's name or cipher may form the main watermark and those of the patron, customer or merchant used for the countermark. Sometimes watermarks are to be found in the corner or edge of a hand-made sheet.

In the later seventeenth and early eighteenth centuries the motif of the watermark becomes more and more consistently related to the size of the sheet even though the connection may not be apparent. In 1791 maximum level dimensions for paper were introduced in England for *Pott*, *Foolscap*, *Crown*, *Medium*, *Demy*, *Royal* and *Elephant*. Many of these names have a direct connection with the original watermark design. No other reasonable explanation can be found for such names as *Pott* and *Foolscap*. The name *Pott* was probably derived from the watermark of a pot, tankard or flagon. The original watermark for *Foolscap* was, as the name suggests, the head of a jester with cap and bells. This is one of the most accepted and obvious examples of the name and size of paper being derived from the original watermark.

Dating and Forgeries

Collectors of prints, drawings, maps and other works of historic, scientific or artistic importance based on early paper always want to know the value of watermarks for dating purposes and their use in exposing forgeries. Although water-

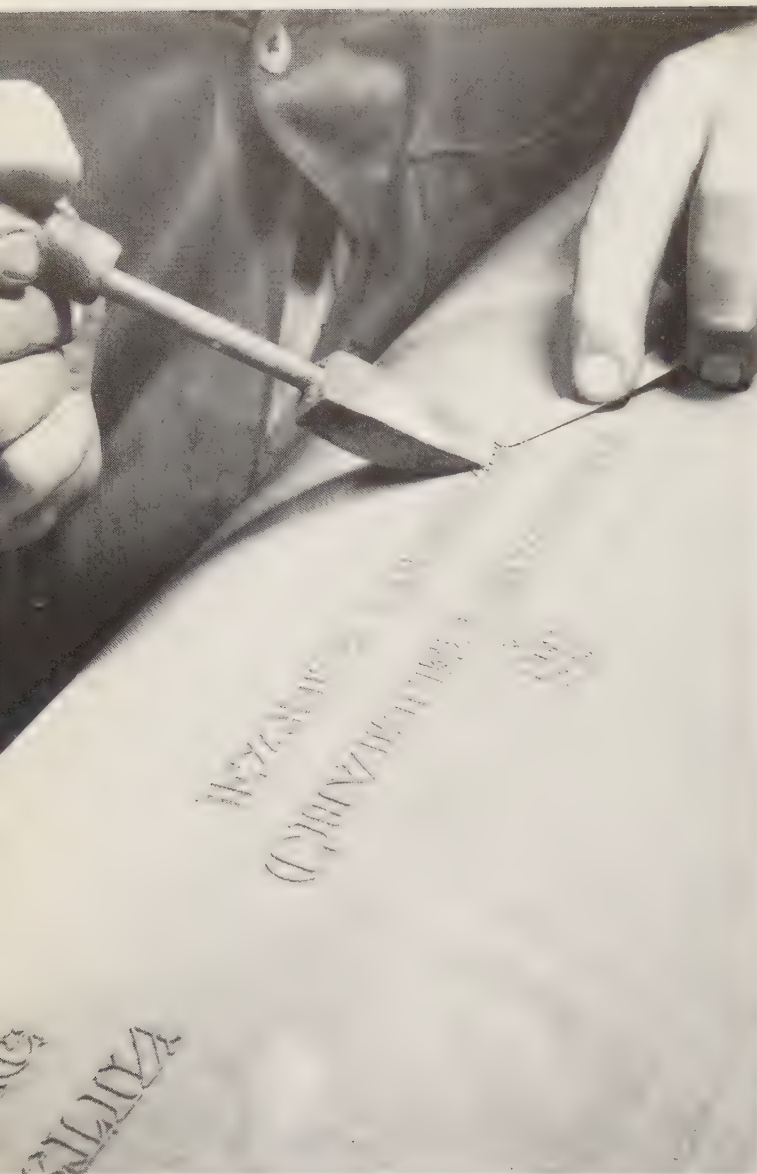


Watermark design sewn to the surface of a laid wire paper making mould.

marks when taken in consideration with other evidence can sometimes prove helpful in exposing forgeries, the information provided by the watermark must for the following reasons be used with caution. Few of the early watermarks bear dates and if they do the date of the mark might not be the same as the date of the printing. It is not uncommon even today for paper to remain for a considerable time at the mill to mature before being sold. It is also possible for a dated watermarked mould to have been used for many years without the date being changed. There was nothing to prevent a well-known watermark used on a popular quality paper from being copied by an unscrupulous paper maker. It was also possible for moulds to change hands when a mill closed down and the new owner might have retained the original watermark. For example, a number of old English and other European moulds found their way to North America where they are used by amateur paper makers.

In order to obtain paper of consistent colour, texture and thickness it was always possible that the printer found it necessary to sort through the makings of different mills and dates. This is the reason why so many different watermarks appear in some early printed books. William Caxton, the first printer in England, never used papers of one watermark design in his books. To obtain paper of consistent quality he would use from fifteen to twenty papers with different watermarks and various dates and presumably from different mills in Holland. It is uncommon for early watermarks to have any relationship with the purpose to which the paper was to be put. One notable exception is the watermark showing Atlas holding-up the world which appears on the paper made for Blaeu's great atlases of the seventeenth century.

It should be mentioned that attempts are sometimes made to apply false watermarks to prints and maps in order to make them acceptable as one of a rare or valuable set. The practice



Watermark images being soldered in position on a wove dandy roll (By courtesy of Wiggins Teape Group Limited).

involves getting a skilled forger to use a small bladed scalpel to carefully scratch away selected surface areas from the back of a print or map to make a transparent image. If the work is skilfully executed it is often difficult to detect with the naked eye. Fortunately, the process damages and breaks the surface fibres of the paper and can usually be recognised as an attempt at watermark falsification when the print or map is closely examined with a magnifying glass.

Watermarking Machine made Papers

Subsequent to the introduction of the continuous paper making machine in the early part of the eighteenth century there were attempts to produce watermarks on machine made paper similar to those that for five centuries appeared in hand made papers. The invention of the dandy roll by John Marshall in 1826 eventually overcame the problem. Nowadays the

major part of paper making and consequently watermarking, is done by machine. In simple terms the dandy roll is a hollow roll covered with laid or woven wire to which watermark designs can be attached. The roll is positioned at the wet end of the paper making machine and rides over the surface of the newly formed paper from which most of the water has been drained. It compresses and consolidates the fibres and at the same time can be used to impress the watermark into the surface of the paper. On large dandy rolls the wire design for the watermark usually has to be repeated many times especially when the paper is very wide and is to be cut into smaller sheets.

Watermark designs are fixed to the surface of the dandy roll in much the same way as in the modern hand paper making mould. They are usually soldered in position but if they have to be removed they are sewn in. This allows one dandy roll to be used for several designs.

Some modern mills produce machine made papers with rubber impressions or dry marks as an alternative to marking in the traditional way with a dandy roller. The design to be used is engraved on firm rubber rollers which are positioned on the dry end of the paper making machine between the drying rollers. The paper is formed and partially dry when the design is compressed into the surface and as a result there is very little displacement of the fibres. A mark with a sharper outline is obtained in this way, but when the sheet is held up to the light the mark is much less easily visible than that of a traditional watermark.

From its early primitive beginnings the watermark has been highly developed in a way which renders the fraudulent reproduction of paper money and security documents almost impossible. The modern technique of light and shade watermarking (more correctly referred to as *Chiarocuro* or *Shadow* watermarking) was invented by William Henry Smith in 1848. This method of watermarking allows degrees of density and lightness to be included in the design so that when held to the light the paper reveals, through its watermark of various thicknesses, an object or form rather similar to a monochrome photographic negative.

The original, which may be an artist's drawing or a photograph, is carefully transferred by incising the image into a smooth thin sheet of prepared wax. Using a process known as electrolysis, an electrotype die is produced which is then chrome-faced for hardness and backed with lead. A second die is made which is an intaglio version of the first to give a male and female die of the image. Only a woven wire can be used and the image is transferred to this by a process of annealing and placing the mould under heavy pressure between the two dies which depress and raise parts of the wire which will cause the paper formed on the wire to be of varying thicknesses to match the design. This technique of watermarking can reproduce intricate portraits, landscapes and other pictures with pleasing results.

Watermarks, at first thought, may seem comparatively unimportant, but these symbols of art and mystery hidden away for centuries in early papers will forever continue to interest and stimulate collectors of engravings, prints, maps and incunabula.

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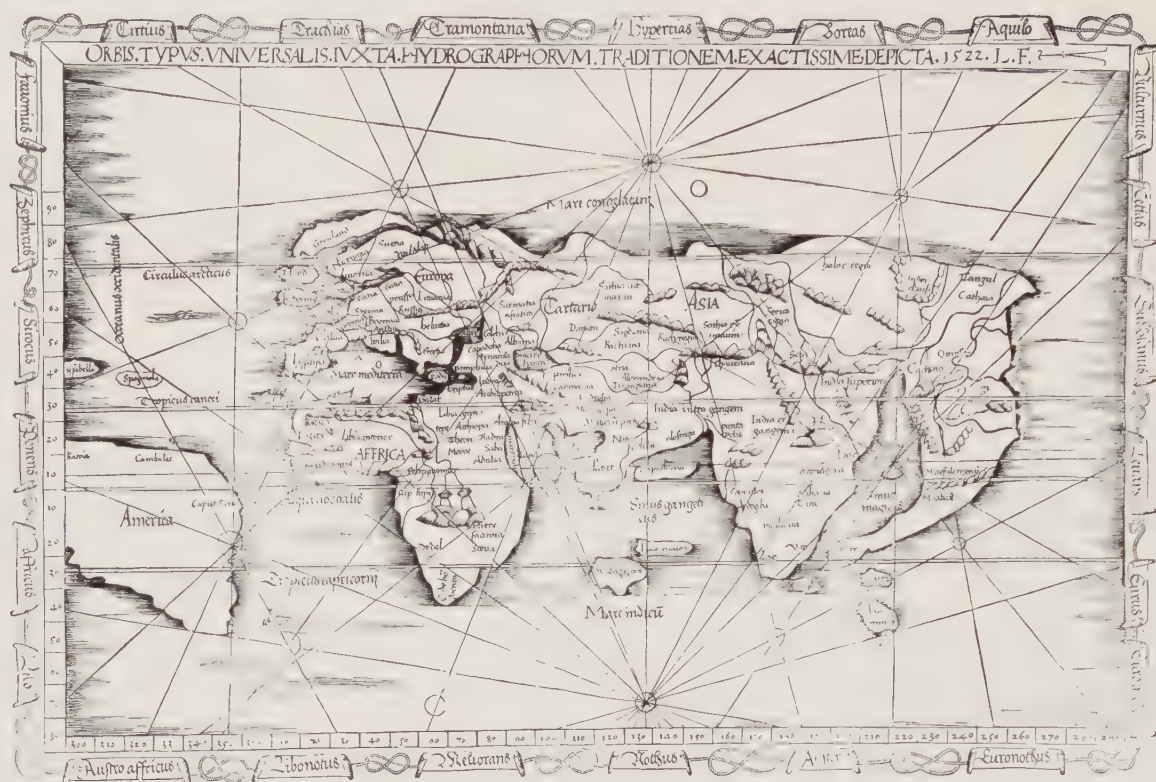
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World maps from the 16th and 17th centuries



World map of 1522 by Laurent Frisius from the Strassburg Ptolemy. Fine condition with large margins: the first edition. Based on the famous 12 sheet world map of 1516 by Martin Waldseemüller, of which only one example is known, this map was added when the Waldseemüller Ptolemy of 1513 was republished in a reduced format in 1522.

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The Regent Gallery 14 Regent Street Cheltenham



by R.V. Tooley

BERKSHIRE

2 Cruchley, G.F. *Cruchley's County Map of Berkshire shewing all the Railways and names of Stations also the Villages, Turnpike Roads, Gentlemen's Seats etc. etc. Improved from the Ordnance Surveys of London Published by Gall & Inglis, 25 Paternoster Square; Edinburgh George Street, [1877].* (546 x 426mm).
Bound in paper wrappers, sixpence coloured.

4 [Geological Survey of England and Wales on a scale of one inch to a mile.] Berkshire sheets 7, 8, 12, 13, 34 and 45. [1840].

5 Greenwood, C. & J.: *Map of the County of Berks From an Actual*

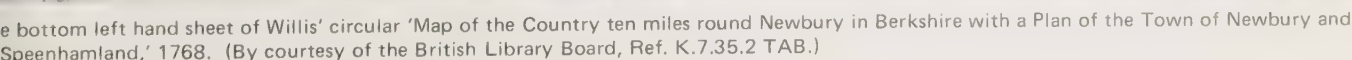
Scale: 1 in = 1 mile
Dedicated to the nobility, clergy and gentry of the county. Large vignette of Windsor Castle. Shows churches, chapels, houses, mills, woods, parks, commons, canals, roads, toll bars etc. Usually mounted on linen, folded and contained in quarto case.

Be7 [Ordnance Survey of Berkshire Surveyed in 1866-78.]
Scale: 1:2500 or 25.344in = 1 mile
13 vols. 1869-82.

Be8 [Ordnance Survey Six inch county series 1:10560.] First Edition contoured. Surveyed 1868-84 Southampton 1874-7.

Be9 *The Pictorial World Map of Berkshire*. Supplement to the *Pictorial World*. September 15th, 1877 [London], 1877. (340 x 420mm)
General geographical information and gazetteer on the back.

Be10 Rocque, J: [The first sheet of an Actual Survey of Berkshire].
Benning Sculp. Published according to Act of Parliament by John
Rocque Chorographer to their Royal Highnesses the late and Present



Prince of Wales &c. in the Strand 1752. John Rocque 1752. (628 x 485mm).

Scale: 2in = 1 mile [=51mm]

Shows Windsor Great Park and covers area from Slough in Bucks to Chobham in Surrey. Also [The Second Sheet of an Actual Survey of Berkshire] R. Benning Sculp:t Published according to Act of Parliament by I. Rocque in the Strand 1752. (628 x 480mm).

Scale: 2in = 1 mile

Shows the area around Wokingham, between Wargrave in north and Sandhurst in the south.

Be11 Rocque, J: *A Topographical Map of the County of Berks By John Rocque, Topographer to His Majesty. Published according to Act of Parliament by J. Rocque in the Strand 1761.*

Scale: 2in = 1 mile

18 sheets each 625 x 480mm and index sheet. Sheets XVII and XVIII bear the title in English, sheets XIII and XIV bear the title in French. Sheet XV has full page decorative dedication to George III, A. Walker sc. Sheet VIII includes a large ornamental scale of miles. Sheet VI blank. Sheet I Benning sculp. Sheet III L.F. de Harme sculp. (with inset plan of Reading). Sheet IV engraved de Harme.

Be12 Rocque, M.A.: *A Map of the County of Berks. Reduced from an actual survey in 18 sheets, by the late John Rocque, Topographer to His Majesty, 1762. Published according to Act of Parliament by Mary Ann Rocque near old Round Court in the Strand 1762. (428 x 660mm)* Below the title in English, is the title in French. This is dated 1764. Inset: *A Plan of the City of Oxford.*

DISTRICT MAPS

Be13 Ascot: Mogg, E. *Plan of Ascot Race Course, Surveyed in 1829 by Edward Mogg; Exhibiting all the improvements lately executed by Command of His Majesty. London published by E. Mogg, N^o 14 Great Russell Street, Covent Garden, June 8th, 1829. (234 x 410mm).*

Be14 Newbury: Willis, J: *A Map of the Country Ten miles round Newbury in Berkshire with a Plan of the Town of Newbury and of Speenhamland. To the Right Honourable William Lord Craven. This map is dedicated by ... John Willis. Sept. 1st 1768. Inset: A Plan of the Town of Newbury and Speenhamland. 80 furlongs [=4 $\frac{1}{2}$ in.]*

Scale: 2in = 1 mile

Be15 Reading: *Environs of Reading &c. J. Bartholomew, Edinburgh, [1880]. (253 x 342mm).*

Scale: $\frac{1}{2}$ in = 1 mile

Wrapper title: *Houlston & Sons' New Series of District Handy Maps from the Ordnance Survey. Reading & District. Price fourpence, London. 7 Pasternoster Buildings, E.C.*

Be16 Reading: Pride, Thomas: *A Topographical-Map of the Town of Reading & the Country adjacent to an Extent of Ten Miles; Describing the Main and Cross Roads also the Seats and Parks of the Nobility and Gentry; The Towns, Parishes, Hamlets, Tithings, Villages, Farms, Rivers, Brooks Woods, Hills, Valleys, Heaths, Commons and every remarkable Place within the Survey: Taken by Thos. Pride, Land*

Index map to John Rocque's eighteen sheet 'Map of the County of Berks' 1761. 'The Divisions and Roman Numbers in this Map, is to shew what manner the large Map is Divided and the Number of Sheets it contains.' (By courtesy of the British Library Board, Ref. C.11.c.13.)

Ascot Racecourse as surveyed by Edward Mogg 1829. (By courtesy of the British Library Board, Ref. 1510 (1).)





urveyor. Published as the Act directs July 24th, 1790 by T. Pride. (60 x 889mm).

Scale: 1½in = 1 mile

the borders of coats of arms 'of such subscribers as were received in the year 1790'. Another issue states 'arms of subscribers engraved in order they may be put to hand.'

17 Windsor: Andrews J: *A New and Accurate Map of the County of Windsor Five Miles Round Windsor On which are Delineated from an actual Survey His Majesty's Palaces; Noblemen and Gentlemen's Seats, Villages, Market Towns, Churches, Cottages, Rivers, and remarkable Hills, all the Turnpike and Principal Cross Roads, with the distances from Place to Place, according to the Mile Stones, by John Andrews. Land Surveyor, June 10th 1777. Drawn & Engraved by John Andrews, London, Publish'd as the Act directs June 10th 1777 by John Andrews and Andrew Dury. (2 sheets, the other sheet dated Sept. 10th, 1777) (Printed in 6 sheets, mounted as 2 sheets 970 x 670mm) Scale: 4.25in = 5 miles*

18 Windsor: Andrews & Dury. — Another Edition, 1792.

19 Windsor: Eden, William: *Windsor Park and part of the Forest. Wm. Eden del^t Neale sc. 352 Strand. (432 x 463mm).*

Scale: 2in = 1 mile

20 Windsor: [Ordnance Survey of Windsor]. Printed in colours.

Scale: 1in = 1 mile

Southampton, 1897.

21 Windsor: Rocque J: *Plan Du Chateau et Parc de Windsor dans la Comté de Berk, a 20 Milles de Londres. Renferment un des maisons et des jardins du Duc de Marlborough, tres exactement Levé et Gravé par J:*

Rocque 1738. To the most High Puissant & Noble Prince Charles Duke of Marlborough. &c: &c: &c: This plan of Windsor Park is most humbly Inscrib'd by his Graces most Devoted & Obe: humble Servant J: Rocque. (460 x 620mm)

Scale: 1300ft (=124mm) (=4.87in)

Be22 Windsor: Tucker, H: *Plan of Park of Windsor & Park to illustrate the principle of contour lines. Surveyed & Drawn ... by a party of Royal Sappers and Miners under the direction of Cap^t H Tucker R.E. (800 x 559mm). To accompany Health & Towns Enquiry. [London, 1843].*

Scale: 60in = 1 mile

Be23 Windsor: Walter, H.: *Windsor Forest and its vicinity from actual survey H Walter 1823. (1193 x 889mm).*

Scale: 2in = 1 mile

Detailed map showing houses, churches, woods, trees, park fences, hedges, rivers, open and closed turnpike, public and private roads and green lanes, boundaries, place names, names of proprietors.

Be24 Windsor: *New Map of the Drives & Rides in Windsor Great Park and its vicinity. Reduced from Mr H. Walters Plan. Published by J.B. Brown, Book and Printseller to the Royal Family Castle Street, Windsor. [n.d.] (178 x 844mm).*

TOWN PLANS

Be25 Abingdon: [Ordnance Plan of the Town of Abingdon]

Scale: 1:500 or 10.56 feet = 1 mile

Southampton, 1879.



The decorative cartouche to Rocque's large map of Berkshire occupies a sheet of its own and measures 14½in x 19½in.
(By courtesy of the British Library Board. Ref. C.11.c.13.)

Be26 Hungerford: [Ordnance Survey of Hungerford.]

Scale: 1in = 1 mile

[Printed in colours.] Southampton, 1898.

Be27 Lambourn: [Ordnance Plan of the Parish of Lambourn.] 8 sheets with index sheet and area book.

Scale: 25.344in = 1 mile

Southampton, 1881.

Be28 Maidenhead: [Ordnance Plan of the Town of Maidenhead.]

Scale: 1:500 or 10.56 feet = 1 mile.

5 sheets with index sheet. Southampton, 1879.

Be29 Newbury: [Ordnance Plan of the Town of Newbury.]

Scale: 1:500 or 10.56 feet = 1 mile

12 sheets with index sheet. Title from the Index. Southampton, [1881]

Be30 Newbury: [Ordnance Plan of the Parish of Newbury.]

Scale: 25.344in = 1 mile

Index sheet and Area Book. Title from the Index. Southampton, 1881.

Be31 Reading: Man, John: *Plan of The Borough of Reading J. Man del^t W. Poole sc. Reading. Published as the Act directs August 10th. 1798.* (580 x 460mm). Issued in Reverend Charles Coates *The History and Antiquities of Reading*, London, 1802.

Be32 Reading: [Ordnance Plan of the Town of Reading]

Scale: 1:500 or 10.56 feet = 1 mile

23 sheets & Index. Southampton, [1879].

Be33 Reading: [Ordnance Plan of the Parish of St Mary, Reading.]

Scale: 25.344in = 1 mile

Southampton. [1881].

Be34 Reading: Smith, G.R.: *Smith's Street Map of the Enlarged Borough of Reading. A. Bourne, Eng. London. Printed and Published by G.R. Smith at his New Offices 42 Kings Road, Reading [1889].* (656 x 343mm). Flimsy in *Postal Directory of Reading*, 1889.

Be35 Reading: Tomkins, Charles: *Plan of Reading Surveyed Drawn and Engraved by Charles Tomkins. Published as the Act directs Jan 1*

1802. (457 x 495mm). Issued in Coates' *The History and Antiquities of Reading*, 1802.

Be36 Wantage: [Ordnance Plan of the Parish of Wantage].

Scale: 25.344in = 1 mile

Southampton, [1881] 8 sheets.

Be37 Windsor: [Anon]. [Plan of the South Western Portion of Windsor]. (719 x 1237mm).

Scale: 1in = 135 feet

[London, 1860].

Be38 Windsor: Collier, W: *To The Most Noble Charles, Duke of Marlborough, Knight of the Most Noble Order of the Garter, &c &c &c This Plan of the Town and Castle of Windsor and Little Park, Town and College of Eton is most humbly Inscribed by His Graces Dutiful Obedient Humble Serv^t W. Collier Engraved by J. Pine. Published according to Act of Parliament by W. Collier at Eton 1742. by whom lands are surveyed and Maps drawn of the same in ye Best & cheapest manner. Sold by J. Pine Engraver in Old Bond Street & T. Bakewell Printseller in Fleet Street.* 4 sheets (719 x 585mm).

Scale: 1in = 1 mile

Title within dedicatory cartouche to Charles, Duke of Marlborough. Insets East prospect of Windsor Castle and Plan of the Gardens. Numerous legends within compartments along the base of the map.

Be39 Windsor: [Ordnance Plan of the Parish of New Windsor with Windsor Castle] 8 sheets.

Scale: 25.344in = 1 mile

Southampton, 1869.

Be40 Windsor: [Ordnance Plan of the Town of Windsor] 15 sheets

Scale: 5ft = 1 mile

Southampton, [1870].

Be41 Windsor: Wright, J.W: *Wright's Map of the Streets of Windsor Printed and Published by J.W. Wright No. 3 Peascod Street, Windsor [1887].* (318 x 433mm).

No scale [$\pm \frac{1}{2}$ in = 1 mile].

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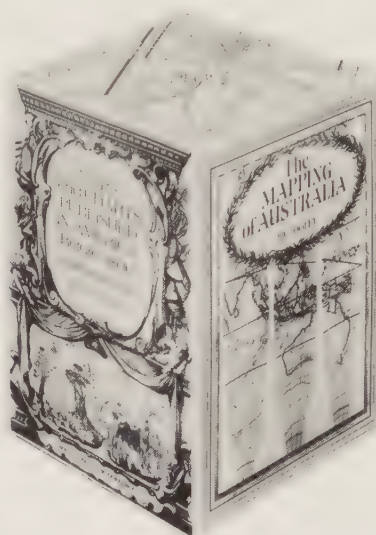


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Important Mercator 'Discovery' under the hammer

Just as we were about to go to press, it was announced that an important Mercator atlas, discovered in 1967 by a Dutch schoolmaster, was to be auctioned at Sotheby's this month.

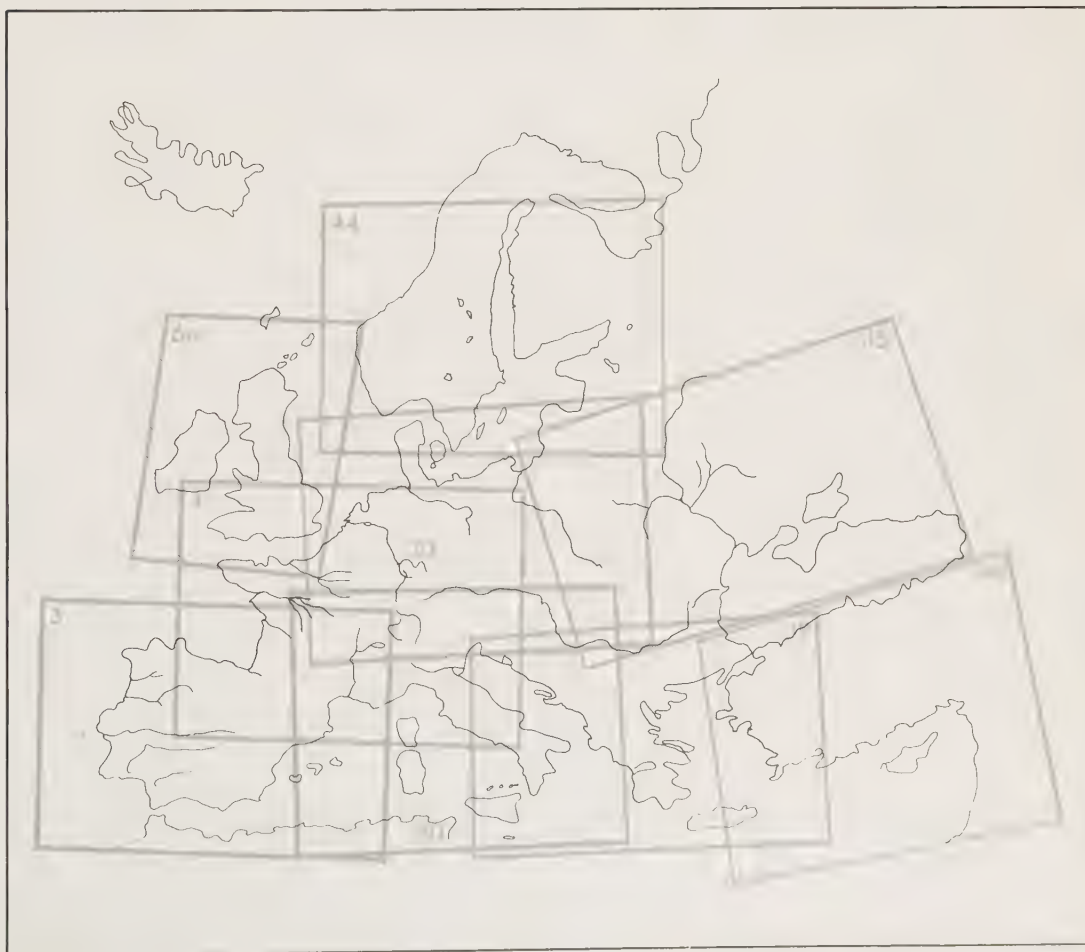
Peter Scott and John Goss, of 'The Map Collector', have prepared these notes on the history of the atlas, its discovery and the very rare maps it contains including two manuscript maps believed to be in Mercator's own hand.

ONE OF THE most important cartographical discoveries of recent times is to be auctioned on March 13, 1979, by Sotheby's, London. The item under the hammer is a composite atlas of Europe believed to have been put together by Gerard Mercator himself. The association with Mercator alone is important but the real significance lies in some of the maps the atlas contains.

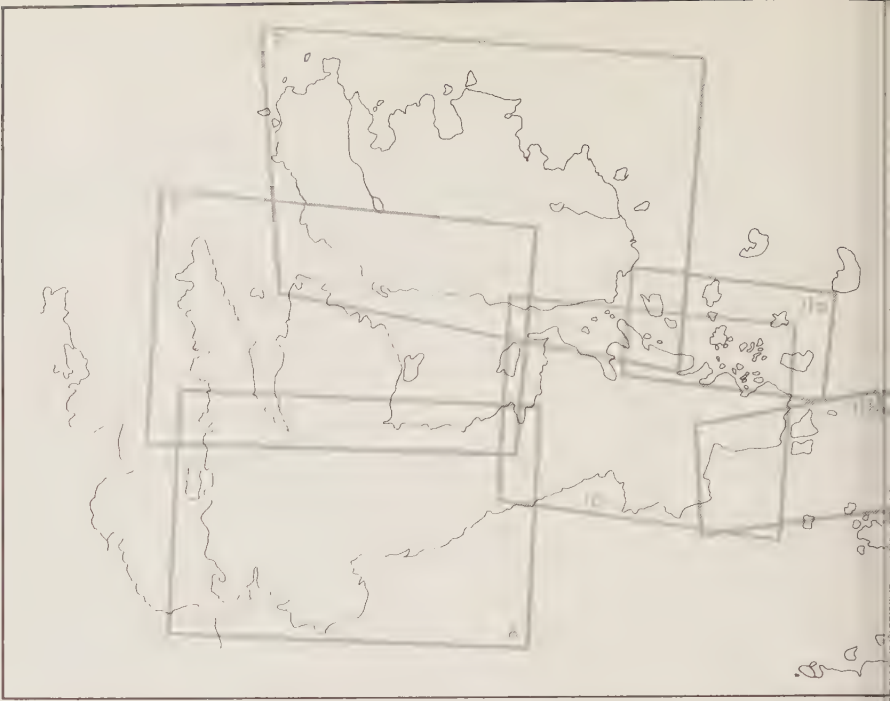
Two are in manuscript and if, as the evidence very strongly suggests, these were drawn by Mercator then they are the only manuscript maps of his known to have survived.

Nine maps have been made up by pasting together pieces from several copies of Mercator's fifteen sheet wall-map of Europe, 1554. Some parts of the original sheets, like the legends and cartouches, have been cut away and replaced by other information. Nevertheless, together, these nine maps, which have been trimmed to uniform size, provide almost the whole geographical coverage of a complete copy of the magnificent map which firmly established Mercator's fame as a

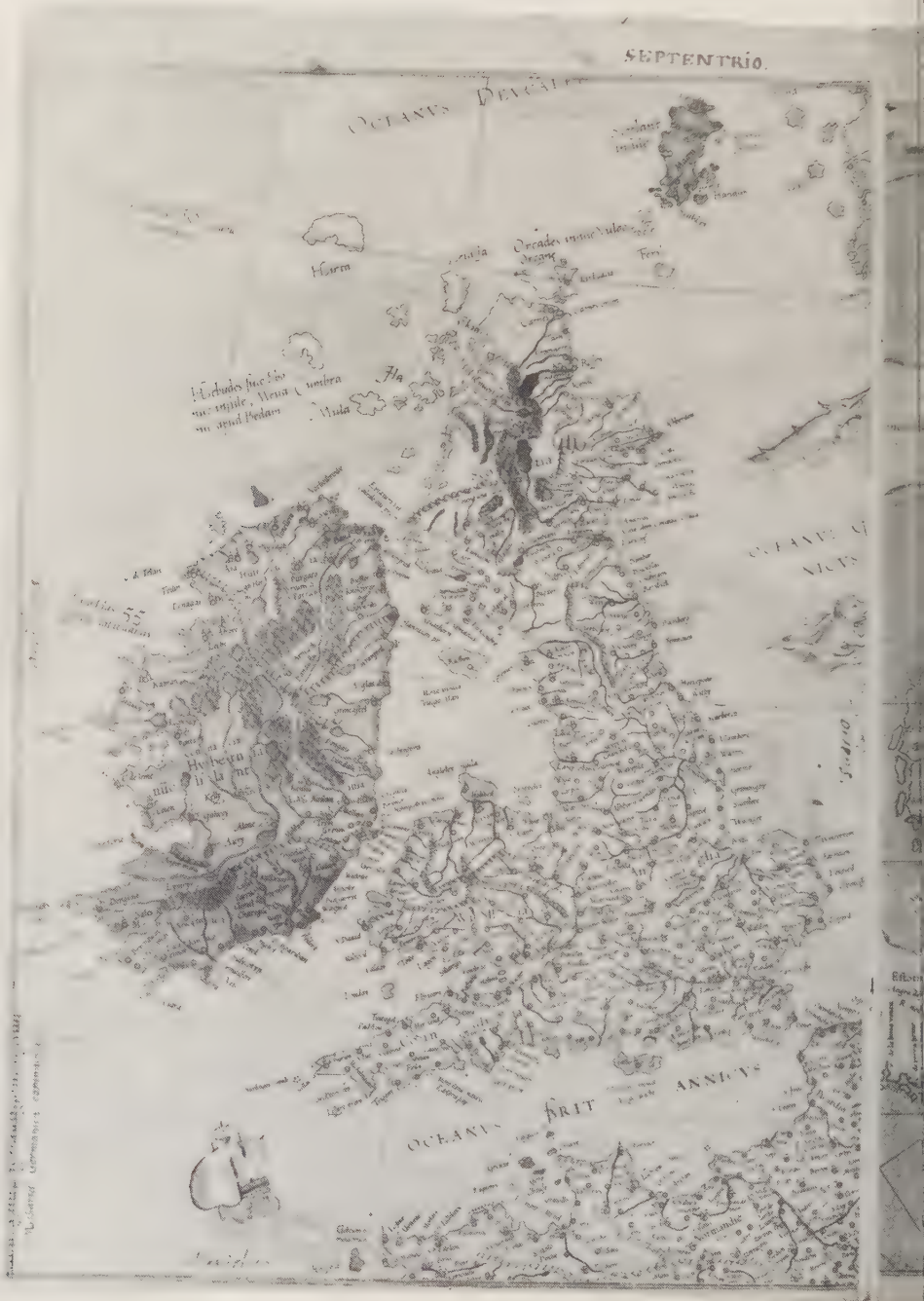
Mercator's wall-map of Europe published in 1554 is generally considered as a major cartographic achievement. By comparing and sifting all the information he could find he created a new view of the continent which was accepted for many decades. What was thought to be the last known copy was destroyed in Breslau in 1945. However, the atlas of Europe now being auctioned, contains nine folios made up from copies of the original map. This cover diagram shows how the nine folios overlap to make up an almost complete copy of the original wall-map. The reference numbers correspond to the listing in the collation. The outlines for the base map have been taken from a map of Europe by W.J. Blaeu c.1625. Diagram by Ashley Pope.)



R.A. Skelton states that 'Mercator's map of 1564 is a landmark in the regional cartography of the British Isles. It made a striking advance both in accuracy of outline and angular correctness and in wealth of detail. As Mercator records in the address to the reader, the original draft for the map was supplied to him by a friend.' It is now considered most likely to have been Lawrence Nowell, Dean of Lichfield, who supplied the manuscript. As shown in this cover diagram, the atlas contains six maps made up from copies of the original map. The reference numbers correspond to the listing in the collation. Only three other copies are known to have survived, one in Rome, one in Paris and the other in Perugia. The outline for the base map has been taken from Mercator's wall-map of Europe 1554. (Diagram by Ashley Pope.)



Folio 6. On the left the British Isles is taken from the wall-map of Europe, 1554. The upper part of the map shows faint traces of plate reworking as if compass roses and rhumb lines had been incompletely erased. On the right is Greenland, Iceland, the Labrador coast and the northern parts of the British Isles taken from the wall-map of the world, 1569, the first to be based on 'Mercator's Projection'. It was by noticing that the meridians on this map were straight and did not converge at the Poles that it began to occur to the Dutch owner he might have found a Mercator wall-map. (By courtesy of Sotheby's.)



rtographer. What had previously been thought to be the last surviving copy was destroyed in Breslau [Wrocław, Poland] in 1945 making this the only one now known to be in existence. A further six maps have been put together in a similar way from copies of Mercator's wall-map of the British Isles, 1564 – only three other copies are known, one in Rome, one in Paris and the other in Perugia – and two maps from his wall-map of the World, 1569, which was the first to use 'Mercator's projection'.

The atlas also contains a plan of Ancona in northern Italy together with thirty maps from Ortelius' *Theatrum*. It used to contain a further three maps from the *Theatrum* but these have been removed at some stage. The original contents therefore totalled fifty-one maps on forty-six folios.

The story of how this cartographic treasure was discovered is something of a fairy tale. It is also an object lesson for even novice collectors to study their maps and to make sure they can identify everything; and emphasises the necessity to pay particular attention to the unusual and unexpected.

In 1967 a Dutch schoolmaster on a camping holiday with his family in the Belgian Ardennes spent three days touring Belgian cities looking for prints of Amsterdam to add to his collection. In a bookshop, on the last afternoon, he found under a pile of old magazines, two rather battered looking books in

folio format. They were two old atlases which had apparently been there for over six years! One was uncoloured and contained maps by Blaeu, Mercator, Jansson and Hondius. The other, which was coloured, looked older than the first and some of the maps it contained puzzled him, particularly the ones without any titles, dates or names of engravers. In fact, the Dutchman had only a rudimentary knowledge of maps and did not normally collect them but he was sufficiently attracted by the two old atlases to ask the price. It did not seem unreasonable so after looking back over the pages to assess minimum values he concluded that 'it looked like a safe deal with intriguing mysteries so I decided to buy'.

He did not have enough money with him at the time but the bookseller agreed to reserve the atlases for two weeks. The Dutchman returned home from his holiday and after selling some duplicates from his print collection and adding the proceeds to his savings, he went back to the Belgian bookshop to collect his atlases.

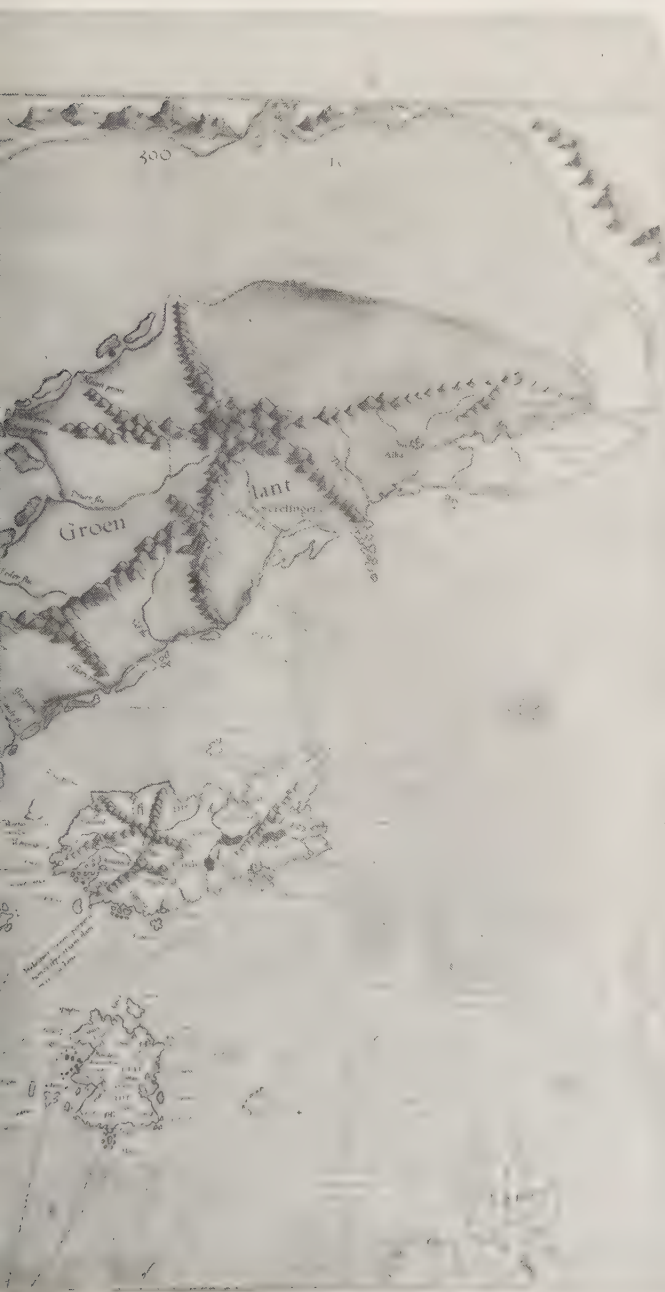
It was some months before he began to realise the true significance of the coloured atlas. In the early stages he had shown it to a map dealer to obtain a valuation for insurance purposes. The dealer had also been puzzled about the strange maps and had thought, as it turned out quite rightly, that they might have been cut out of larger maps to fit them into the format of the atlas. His assessment of the manuscript maps was that they had been made by a 'good amateur'.

One evening, long after his original purchase, the Dutchman was looking at the map of Greenland (see illustration of Folio 6) when it struck him for the first time that the meridian was a straight line whereas they normally curved towards the Poles. He then remembered a wall-map at school with straight meridians, Greenland as big as Africa and the inscription 'Mercator Projection'. Something clicked in his mind – 'Mercator Projection', maps cut out of larger maps, this map of Greenland and the faint memory of something he had read earlier in Skelton's *Decorative Printed Maps*. It was that nearly all copies of old wall-maps had vanished because they were too large to preserve in an atlas, except some copies where the original sheets had been bound in book form. Skelton had listed several rare wall-maps by Mercator. Might this map of Greenland be part of such a map? Visits to libraries and examination of facsimiles soon established the suspicion to be correct. It turned out that a total of seventeen maps had been derived from Mercator's wall-maps of Europe, 1554; British Isles, 1564; and the World, 1569.

Investigations did not stop there. Questions still had to be answered, and even now there is still a great deal of research to be done. However, what the Dutchman really wanted to know was who had compiled the atlas and in particular who had drawn up the two manuscript maps. There is still no conclusive proof, but taking into account all the circumstances and on the basis of the evidence currently available, it seems highly unlikely that it could have been anyone other than Mercator himself.

The most convincing proof is provided by the hand written lettering on the manuscript maps and the map titles on the verso of each folio. Although now better known for his cartographic achievements, Mercator was an accomplished engraver and calligrapher. He wrote what is perhaps the clearest and most complete exposition on the italic or chancery script perfected in Italy at the beginning of the sixteenth century. This textbook, first published at Louvain in 1540, went into five main editions. Sufficient examples of Mercator's own handwriting have survived in the form of autograph letters and other works to demonstrate how his style developed over a span of more than fifty years.

The handwriting in the atlas was examined by Arthur S. Osley, who was carrying out a study of Mercator's influence on



SARMATIA

Europe, in qua sunt Litvania,

Russia, Podolia, Moldavia

Vicinae regiones.

the lettering of maps in the sixteenth century. His findings published in 1969,¹ refer to the script in the Dutchman's atlas and conclude that, 'to anyone familiar with his correspondence this is undoubtedly the hand of Mercator'. In an article published in *Imago Mundi*² in 1970 he is still positive if slightly less emphatic. 'Calligraphic evidence then provides us with a strong chain of reasoning to identify Gerardus Mercator as the compiler of the atlas and as the author of the two manuscript maps which it contains'.

Weight is added to Dr. Osley's findings by other factors. Consider that the folios made up from pieces of wall-map overlap geographically to quite a considerable extent. At least four copies of the Europe, three of the British Isles and two of the world would have been used up. This seems a very expensive way for anyone other than Mercator to have prepared the atlas when there were cheaper maps of the same region available at the time.

The physical construction of the individual folios is similar to that used in an atlas acquired by the Maritiem Museum Prins Hendrik, Rotterdam in 1932. This is an atlas made up from the wall-map of the World, 1569, and, as it contains no material from cartographers other than Mercator, the fact

The verso of folio 45 from the wall-map of Europe 1554 with the title in what is believed to be Mercator's own handwriting. The method by which the sections have been pasted together and margins added are clearly visible from the illustration and are also represented by diagrams in the collation. (By courtesy of Sotheby's.)

Folio 7. 'Irlandia'. Made up from sections of a wall-map of the British Isles 1564. Cartouche and decorative material have been removed, as with all the wall-map folios, from the original wall-map in the top right and left hand parts of the folio and replaced with pieces of plain paper which have been matched in manuscript. See also diagram in the collation. (By courtesy of Sotheby's.)



assumption is that it was put together by him.

In both atlases the legends not relating to cartographic material have been cut away. The means of cutting up and pasting appear similar as does the lavish use of expensive wall-papers. The Prins Hendrik world atlas is known to have derived from the Mirbach family library at the Castle Harff. The von Harff and von Mirbach families intermarried several times with another German family, von Gymnich. As the atlas bears the bookplate of Carl Otto von Gymnich (who is known to have married in 1738) this almost completes the chain linking the world atlas to Mercator's good friend, Werner von Gymnich which, as we shall discuss later, has interesting implications for the atlas of Europe.

Consider also that composite atlases of this period would normally have been put together by a map dealer and it is unlikely that a dealer with a whole range of maps in stock used only the works of Mercator and Ortelius. Mercator, on the other hand, was not a dealer and it is quite likely that he would have supplemented his own maps by those of Ortelius as he was a known admirer of the *Theatrum*. Also, his connection with Ortelius was sufficiently close that he would probably have been able to obtain spare copies of Ortelius' maps more readily than those of any other cartographer.

It is suggested that the presence of the manuscript maps, which cover northern Italy, adds further to the evidence linking the atlas with Mercator as he did not think much of Italian cartographers. On November 22, 1570, Mercator made a scathing attack on Italian maps in a letter he wrote to Ortelius,³ '... sine ordine, sine proportionem, sine discretione tam falsas et depravatas quam genuinas et veras descriptiones in unum corpus congebat, ut in multis videre est tabulis quae ex Italia nobis prodeunt...'

Assuming that the atlas was compiled by Mercator there are still the questions when? for whom? and for what purpose? Again, the evidence is circumstantial and there is always the danger of building assumption on assumption in order to substantiate the proposition that seemed most plausible at the outset. Nevertheless, there are persuasive arguments to connect the atlas with Werner von Gymnich whom we mentioned earlier.

The only thing that can be said with certainty about the whereabouts of the atlas prior to its recent discovery, is that in 1771 it was in the Cistercian monastery of Mariawald, about fifty miles from Duisburg. At some time during that year it was repaired and renovated by Alanus Ortmans who came from the neighbouring Cistercian monastery of Gravenbrioch. The maps were roughly restored, numbered, indexed and rebound. In addition, Ortmans wrote wind directions on most of the maps and made minor additions to some including the two manuscripts. On the map of 'Gelria, Cliviae' etc and on that of 'Germania' he added place names in the area of Mariawald. On the first page of the atlas on the verso of the map entitled 'manuscript 'Europae Universalis', he wrote a table of contents together with the following note: 'Tabulae renovatae, et in hanc Compacturam redactae. Anno Domini 1771. Per Me Alanum Ortmans Ord: Cist: in Palude Comitum Professum, et ad Tempus per transmutationem in hoc Monasterio positum, Pertinet ad Bibliothecam Conventus in Nemore B: M: Virg: ord: Cist:'. The library of the monastery of Mariawald is known to have been dispersed in 1797-98 by the French Revolutionary Government and unfortunately the library catalogue was lost.

The von Gymnich's had close associations with Mariawald. Numerous members of the family are recorded in the burial registers of the monastery which received an unspecified request in 1605 from Adam von Gymnich and his wife.

Mercator was a close friend of Werner von Gymnich who died in 1582. Mercator had moved to Duisburg in Cleves in

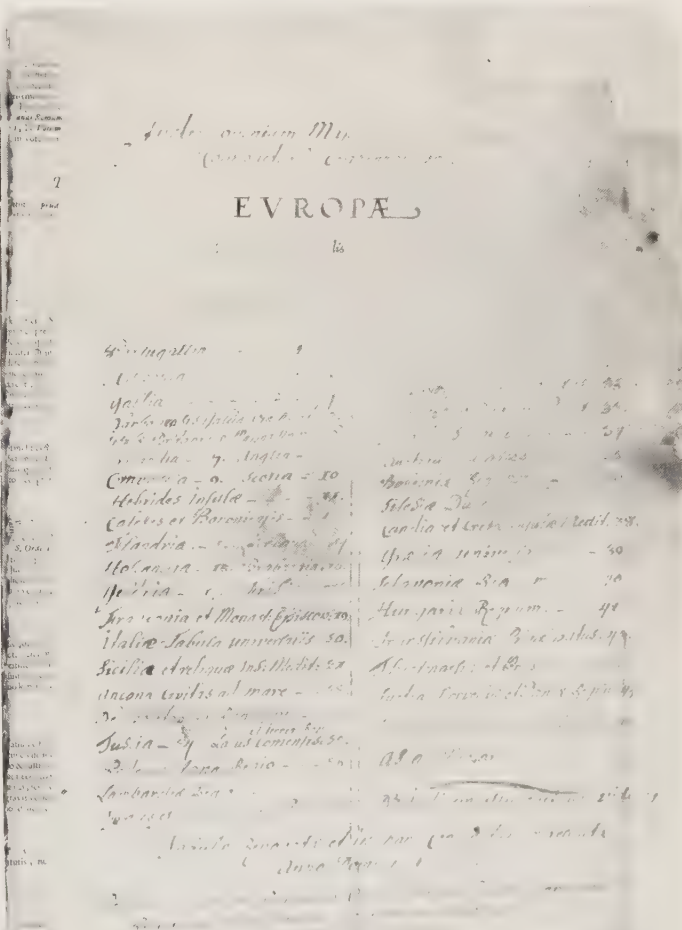
1552 which is no doubt when the friendship began to develop. He was appointed Cosmographer to the Duke of Cleves and undertook research on the Duke's genealogy.

The Court of Cleves, in which von Gymnich had considerable standing, took a more tolerant attitude to religious questions than the Southern Netherlands where Mercator had been imprisoned on suspicion of heresy. Von Gymnich was also land bailiff at Jülich where the Mariawald monastery was situated.

On July 14, 1578, Mercator wrote the following⁴ to Werner von Gymnich in a letter accompanying the gift of a copy of his Ptolemy atlas of 1578, 'in grateful thanks for your great friendship I present you with a copy of my Ptolemy, which I have published as the first volume of my [intended] Cosmography, as a small gift ... I am now preparing the new geography of all lands ... Italy I have divided into nine sections and one general map thus making ten maps, except Siciliam, Corsicam and Sardiniam, which will also be put with Italy. I ask that anything new from Italy that geographers may have published be shown me that I may use them in due course of time in the event that they may be better than I may find, so that I may publish the most perfect work ... when I have completed this book. [Does he mean the drafts or the printed edition of his modern projected atlas?] I shall send you that also'. [His atlas of Italy, Slavonia and Greece was published in twenty-two sheets in 1589.]

So, Mercator is known to have given at least one atlas to von Gymnich and the book plate in the Prins Hendrik world atlas suggests two. Couple this with Werner von Gymnich's position in Jülich and his family's established connections with the monastery in Jülich where the atlas of Europe was known to have been in 1771, and the most likely conclusion is

Verso of the first folio of the atlas showing the index added by Alanus Ortmans in 1771. The title 'Europae universalis' is believed to be in Mercator's own handwriting. (By courtesy of Sotheby's.)





Folio 28, 'Tirolis & pars Lombardiae', one of the two manuscript maps of Northern Italy believed to have been drawn up by Mercator.
(By courtesy of Sotheby's.)

that he was the original recipient.

It is more difficult to conjecture on the date of compilation and the purpose for which the atlas was put together. In 1570 von Gymnich was appointed Governor to the Crown Prince, Carl Friedrich of Cleves, and travelled with him throughout Europe from 1572 until the Crown Prince died in Rome in 1575. One suggestion is that Mercator prepared the atlas for von Gymnich to use on these travels. The Ortelius maps correspond with those from a latin edition of the *Theatrum* published in May, 1570, so the timing of the trip coincides very well with the earliest date the atlas could have been put together; unless he managed to obtain copies a long time prior to publication. In 1572 Mercator issued an improved edition of his wall-map of Europe whereas many of the sections used in making up maps in the atlas are understood to have come from the first edition of 1554. Unless Mercator wanted to use old stocks it seems unlikely that a man of his integrity would have used material which was already obsolete.

The date could lie within the period 1570-1572 but might be later as the presence of the two manuscript maps of northern Italy suggest when considered along with the contents of Mercator's letter to von Gymnich dated July 14, 1578. The manuscripts bear such similarity in terms of area and scale to the printed maps 'Lombardiae ii' and 'iiii' in the atlas *Italiae, Sclavoniae et Graeciae* he published in 1589, it is hard to believe that they were not preliminary studies for the printed ones even though they differ in detail. Mercator describes, in the 1578 letter how he divided Italy into nine sections for his

'new geography of all lands' and asks that he be shown any new maps from Italian cartographers in case they were better than those he could find. If the two Italian manuscripts had been drawn up in 1570-72 as part of, or copies of, his preparatory studies and had been presented to von Gymnich prior to the start of his European journeys in 1572, does it not seem strange that Mercator waited six years before telling his close friend about the atlas project? Also, why would he have waited until three years after von Gymnich's return to ask for information about new maps available from Italian cartographers?

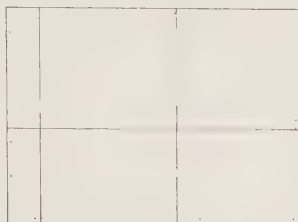
The terms of Mercator's letter suggest that his plan to divide Italy into nine maps was relatively new when he wrote it in 1578. Also, if he had already presented von Gymnich with the atlas of Europe, containing the two Italian manuscript maps, it is not very surprising that he failed to refer to them both in explaining his concept for the division of Italy and in requesting Italian cartographic information? Perhaps he gave him the atlas after July 14, 1578. But if that was so, it meant that the contents were made up from outdated material. It would also exclude the possibility that it was compiled for the purpose of von Gymnich's European travels in the period 1572-5. No doubt the dating and purpose of the atlas are matters over which scholars will argue in the future.

In the short time available for the preparation of this article, it has not been possible to carry out extensive basic research although we have examined the atlas itself. Apart from Dr. Osley's work on the handwriting no papers on the

las have yet been published and, in view of its potential significance, it is clear that a great deal of further research is required. For the purposes of this article we have relied upon the evidence collected by the present owner and by Otheby's, both of whom we thank for their kindness and assistance in providing us with information and in making their notes, diagrams and illustrations available to us.

The collation is as follows:-

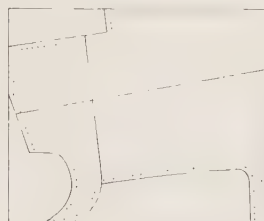
Europa Universalis 391 x 512 mm. Map of Europe cut out of a four sheet section of the 1569 *Nova et exacta Orbis Terrae Descriptio* world map, from the eastern tip of Iceland to the eastern shore of the Caspian and from northern Scandinavia to the north African littoral. The 10° meridian is emphasised in ink and graduated at increasing 1° intervals.



Portugalliae que olim Lusitania, novissima & exactissima descriptio, Auctore Vernando Alvaro Secco. Cum privilegio... MCCCCXXX 339 x 500mm. Portugal from Ortelius' *Theatrum* in a sharp early impression. Ref: Koeman, *Atlantes Neerlandici* III, Ort 1 A-D [8].

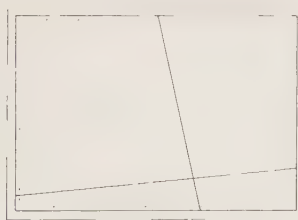
Hispania 373 x 419mm. MS Scales: Miliaria Germanica communia 45 [=78mm] Hispania Comm: 60 [=5mm]

Map of the Iberian peninsula cut out of a four sheet section of the fifteen sheet wall map of Europe of 1554 with irrelevant detail cut out and the maps made good with blank paper. Stippling shading added in MS to match the printed stipple. Added margins.



Gallia 349 x 494mm. MS Scales: Germanica communica 30 [=52mm]

Gallica communica 40 [=50mm] Map covering France, northern Iberia, southern Britain, the Netherlands, most of Germany and northern Italy cut out of a four sheet section of the Europe 1554 map. Added margins.

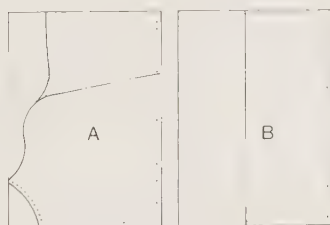


(a) Galliae Narbonensis Ora Maritima Recenter descripta 295 x 16mm.

(b) Sabaudiae, et Burgundiae comitatus descriptio: auctore Aegidio Julonio Belga 297 x 209mm. Parts of southern and eastern France from Ortelius' *Theatrum* in a sharp impression still showing the engraver's guide lines. Two maps on one plate. Ref: Koeman, Ort 1 A-D [12].

Britannicae Insulae, Anglia Scotia & Hybernia, Gronlandia, Islandia, Frislandia (a: British Isles 372 x 257mm); (b: Greenland, etc. 360 x 260mm) MS Scale: Miliaria Germanica communia 45 [=78mm]

Two maps at one opening, the first (left) being of the British Isles cut out of a two sheet section of the 1554 Europe map with superfluous detail cut out and the gaps made good with paper and the MS addition of scale and cardinal points. The outline of England and Wales especially, appears based upon the George Lily map, and like its model does not show the indentation of Cardigan Bay. Ireland is fairly advanced in outline, more so than that shown on the British Isles wall map of 1564. The north section of this map bears traces of a large compass-rose in the area off the northeastern coast of Scotland with radiating rhumb lines, but these do not extend onto the south section. The second map (right) showing Estotiland, Greenland, Iceland, Frisland, Faroes and

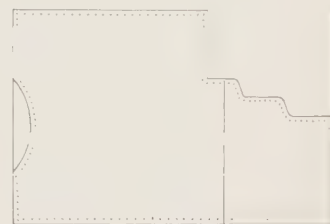


Scotland is cut out of a two sheet section of the 1569 world map. The 350° meridian is emphasised by engraving and is graduated at increasing 1° intervals. On this map are included the mythical islands of Frisland, Icaria and Drogeo, amongst others, to the south and south west of Iceland. Both have added margins at the outer edges.

7 Irlandia 376 x 576mm.

MS Scale: Anglie miliaria 50 [=90mm]

Ireland cut out of a two sheet section of the British Isles map of 1564 with part of a cartouche and some embellishment cut out and replaced by pieces of paper penned with stipple, the words 'Oceanus Deuceleoni' and a MS Scale. The outline of Ireland is more simplified than that shown on the map of Europe made in 1554, and is familiar in the Ortelius version, published in the *Theatrum* from 1570-1606. Oriented west at the top. Added margins.



8 Anglia 378 x 578mm.

Original Scale: Scala miliarum Anglicorum [50=90mm]

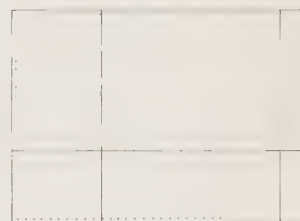
Map of England, less Cornwall, cut from a three sheet section of the 1564 *Angliae, Scotiae & Hiberniae nova descriptio*, the British Isles wall map, again with a cut-out, lower right, made good. Many place and feature names are shown on this map, and reasonably accurate depictions of the river courses are given. It is thought⁵ that Mercator used a draft provided by Lawrence Nowell who had himself compiled a manuscript atlas in nineteen sheets of the British Isles by 1563. No subsequent issues were made, but the map was used by Ortelius in the 1570-1612 *Theatrum* in a reduced, single sheet form. Added margins.



9 Cornuwallia & Wallia, regni Anglia residuum 378 x 511mm.

MS Scale: Anglica miliaria 50 [=90mm]

Map of the west of England and Wales, cut from a six sheet section of the 1564 map as no. 8. Cornwall is considerably extended and Wales exhibits Cardigan Bay now, in contrast to the earlier outline based on the George Lily map, taken from the 1554 Europe map in no. 6. Mercator himself amended the outline of Wales to show Cardigan Bay in his revised issue of the Europe map in 1572. Added margins.



10 Scotia 378 x 574mm.

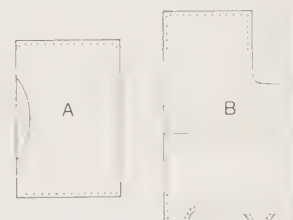
MS Scale: Anglica miliaria 50 [=90mm]

Map of Scotland, less the Hebrides and the Orkneys cut from a four sheet section of the 1564 British Isles wall map. Another copy of this map was used as a base map by Ortelius for his single sheet map of Scotland in the *Theatrum*. Again, superfluous decoration was cut out and made good with pieces of paper. Added margins.



11 Hebrides Insule. Orcades Insule.

(a: Hebrides, 311 x 180mm), (b: Orkneys, 209 x 241mm). Two maps, one of the Hebrides, the other of the Orkneys cut out of at least three sheets of the British Isles map of 1564, and once again with embellishments cut out and made good with pasted in margins. Added margins.



The maps 7-11 include present us with the complete geographical detail of the 1564 *Angliae, Scotiae & Hiberniae nova descriptio*. The only original embellishment as relevant to the atlas is the engraved scale bar and dividers shown on the map of England, no. 8. The full extent of the map and its decoration is illustrated in M. Destombes' article 'Un nouvel exemplaire de la carte des Iles Britanniques de Gérard Mercator, Duisburg, 1564' in: *Imago Mundi* XXVI, 1972.

12 (a) Caletensium et Bononiensium Ditionis Accurata Delineatio cum privilegio Descripta ... 1558. 330 x 234mm.

(b) Veromanduorum Eorumque Confinium Exactissima Descriptio Iohannes Surhonio Auctore 330 x 210mm. Parts of northern France from the Ortelius *Theatrum* in a very clear early impression. Ref: Koeman, Ort 1 A-D [11].

13 Flandria, Gerardus Mercator Rupelmondanus Describebat 382 x 497mm. Vlaanderen from the Ortelius *Theatrum*. Ortelius, in his usual manner, credited Mercator with the authorship of this map. Again, a sharp early impression. Ref: Koeman, Ort 1 A-D [17].

14, 15, 16 Removed. These maps are stated in the MS contents list by Alanus Ortmans (1771) to have been 'Zeelandia', 'Hollandia', 'Brabantia' and were probably the maps of those regions from the Ortelius *Theatrum*.

17 Geldriae, Cliviae, Finitimorumque Locorum Verissima Descriptio Christiano Schrot. Auctore. 370 x 496mm.

Gelderland and Cleve by Christian Sgroten as issued by Ortelius. The title cartouche at the lower left corner has in the blank area immediately outside the embellishment clear traces of an earlier engraving having been erased from the printing plate. The cartouche itself appears rather more sharp in impression than the rest of the map, although the whole is a very sharp impression. Ref: Koeman, Ort 1 A-D [15].

18 Frisia. oost ende West Vrieslands beschrijvinghe. Utriusque Frisiorum Regionis Noviss: Descriptio 1568. 341 x 501mm. Friesland from the Ortelius *Theatrum*. Ref: Koeman, Ort 1 A-D [20].

19 (a) Franciae Orientalis (Vulgo Franckenlant) Descriptio, Auctore, Sebast. A Rotenhan. 362 x 249mm.

(b) Monasteriensis Et Osnaburgensis Episcopatus Descriptio. Auctore Godefrido Mascop Embricense. 362 x 247mm. Franconia and Münster in Germany, the two maps on one plate, from the *Theatrum*. Ref: Koeman, Ort 1 A-D [24].

20 Italia 378 x 480mm
MS Scales: German: mil:comm 30
[=52mm]
Italia communia 120
[=51mm]

General map of Italy. This map is cut out of a four sheet section of the Mercator 1554 Europe map, and, as with the previous maps, a small section of superfluous detail, corresponding with part of the north African coast, is removed and the gap made good with paper. Two MS scales drawn in. Added margins.



21 Insularum Aliquot Maris Mediterranei Descriptio. 360 x 470mm. The sheet covering several Mediterranean islands. Once again a sharp impression. Ref: Koeman, Ort 1 A-D [38].

22 La Famosa Città D'Ancona 382 x 500mm.

A detailed perspective plan of the city of Ancona on the Italian Adriatic coast. The engraving is without a border and ranged along the bottom is an engraved lettered and numbered key to the plan, with the title on a tablet at the centre. In the bottom left corner of the plan area appear the initials 'AB', thought to be those of Ambrosius Brambilla, an Italian mapmaker of the latter half of the sixteenth century, known to have made plans of several Italian cities, including one of Ancona in 1585 with a different title and measuring 329 x 500mm. (ref: Tooley, R.V: 'Maps in Italian Atlases of the Sixteenth Century' in: *Imago Mundi* III, 1939, item 109). Although Tooley does not list the present plan, a similar example is recorded by Isak Collijn in the Kunglige Biblioteket, Stockholm (ref: Collijn, I: *Magnus Gabriel de la Gardies Samling af Aldre Stadsvyer och Historiska Planscher i Kungl. Biblioteket*, Stockholm 1915, item 40). Collijn attributes the plan to Brambilla. The example in the present atlas is brightly coloured.

23 Regni Neapolitani Verissima Secundum Antiquorum et recentiorum Traditionem Descriptio, Pyrrho Ligorio Auct. 362 x 494mm. The Kingdom of Naples from the Ortelius *Theatrum*. Ref: Koeman, Ort 1 A-D [37].

24 Thusciae Descriptio Auctore Hieronymo Bellarmato. 318 x 485mm. Tuscany from the Ortelius *Theatrum*. Ref: Koeman, Ort 1 A-D [36].

25 Larii Lacus Vulgo Comensis Descriptio, Auct. Paulo Jovis Territorii Romani Descrip. Fori Iulii, Vulgo Friuli Typus. 338 x 480mm. Lake Como, etc, three maps on the one plate, from Ortelius' *Theatrum*. Ref: Koeman, Ort 1 A-D [35].

26 Pedemontanae Vicinorumque Regionum Auctore Iacobo Castaldo Descrip. 370 x 491mm. Piedmont, from Ortelius' *Theatrum*. Ref: Koeman, Ort 1 A-D [34].

27 Lombardie reliquii, altered to: Lombardiae regionis Delineatio. 362 x 490mm.

Scale: Germanica miliaria communia 12 [=124mm]

Italia mil: communia 50 [=130mm]

Manuscript map. The second of the two manuscript maps, rebound in reverse order in 1771 by Alanus

Ortmans and the title altered accordingly. This corresponds more or less in area to the map entitled *Romandiola Cum Parmensi Ducatu* in Mercator's 1589 atlas *Italiae, Sclavoniae et Graeciae*. The depiction of the marshland areas south and southeast of Ferrara on the MS compares in extent with that shown on the later printed map. To the north, in the area of the Venetian Republic, no such symbolisation is shown on the MS, but is clearly engraved on the printed map. Again, the MS shows the town of Mirandula west of Ferrara quite isolated, but the printed map clearly shows the town situated on the east bank of an unnamed river. The latitudinal extent of the MS is the same as that of the printed *Romandiola* map, ie: from 42° 38,5'N to 44° 45'N but longitudinally slightly more territory is covered, the printed map extending from 31° 35'N to 35° 20'E, whereas the MS covers approximately 8' of longitude extra at the west margin and about 12' of longitude extra at the east margin. Thus, Rimini on the Adriatic coast is included on the MS, but is not shown on the printed map. This difference in longitudinal extent may perhaps have been governed by the size of the printing plate available to Mercator, certainly, the printed map has a more harmonious proportion than the MS. In either case, the scale of the maps in the same: 'Germanica miliaria communia 12' [=124mm] and 'Italia miliaria communia 50' [=130mm].

28 Tirolis & par Lombardie 360 x 492mm.

Scale: Germania miliaria communia 12 [=124mm]

Italia miliaria communia 40 [=115mm]

Manuscript map. The first of the two manuscript maps, corresponding more or less in area to the printed *Tarvisina Marchia Et Tirolis Comitatus* in the 1589 atlas. Comparison with the printed map reveals significant differences: the MS shows a pronounced river delta on the east shore of Lake Garda, the shape of which itself differs from that shown in 1589. In the coastal regions to the south of Venezia as far as the Po, the MS map has no sign of marshland symbolisation, thus differing again from the printed 1589 *Tarvisina* map. More water courses are shown on the MS than on the printed sheet and there are slight differences in the depiction of the mountainous regions. The latitudinal extent of the MS map corresponds to that of the printed version, ie: from 44° 32,5'N to 46° 27,5'N, but again slightly more territory is covered longitudinally in the MS, as in the first map, to about the same extent indeed. The scale is the same as the first MS also. However, in common with the printed 1589 maps, the MS maps overlap each other in coverage to the same extent so that coincident detail to the north of Ferrara is more or less the same on each. Both have ruled borders in red ink the same as the cut out printed maps in the atlas. Both sheets appear to have been folded while the red ink was still wet as some transfer is seen on facing surfaces, especially at the top right corner of the south sheet.

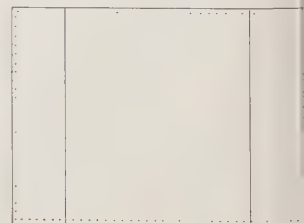
29 Helvetiae Descriptio, Aegidius Tschudo Auct. 338 x 452mm. Switzerland, after Gilg Tschudi, as issued by Ortelius in the *Theatrum*. Ref: Koeman, Ort 1 A-D [31].

30 Germania 372 x 500mm.

MS Scale: Germanica Communia 30 [=52mm]

Gallica Communia 40 [=50mm]

Germany, cut out of a three sheet section of the [1554] Europe wall map. However, the eastern sheet shows some evidence of reworking of the engraved topographic detail and



may be possible that Mercator made revisions to the plates during the engraving process as it is understood that these were also visible on the Breslau copy. See also 44 and 45. No cut-outs are present on this sheet. MS Scales drawn in. Added Margins.

1 Tipus Vindeliciae Sive Utriusque, Bavariae, Secundum antiquam recentiorem situm, ab Joanne Aventino olim descriptus, Principibus usdem regionis dedicatus, atque Landshuti editus Anno à Christo nato. 1533. 325 x 428mm. The map of Bavaria after Johannes Aventinus' 1533 map as issued by Ortelius in the *Theatrum*. Ref: Koeman, Ort 1 A-D [29].

2 (a) Palatinatus Bavariae Descriptio Erhardo Reycho Tirolense auctore. 309 x 245mm. Franciscus Hogenbergius sculpsit.

(b) Wirtenbergensis Ducatus Vera Descriptio, Tubingae Edita. 1558. 209 x 232mm.

Two maps on one plate, covering part of Bavaria, after Erhard Reycho, and the Duchy of Württemberg, as issued by Ortelius. Ref: Koeman, Ort 1 A-D [30].

3 Salisburgensis Iurisdictionis locorumque vicinorum vera descriptio Auctore Marco Secznagel Salisburgense. Inset: Orbis salisburgensis Genuina descriptio. 335 x 431mm. The Diocese of Salzburg, with its inset view of the town, after Secznagel, as issued by Ortelius in the *Theatrum*. A very sharp impression as before. Ref: Koeman, Ort 1 A-D [28].

4 Saxoniae, Misniae Thuringiae, Nova Exactissimaqz. Descriptio. 40 x 498mm. The map of Saxony, etc, from Ortelius' *Theatrum*. Ref: Koeman, Ort 1 A-D [23].

5 Austriae Ducatus Chorographia, Wolfgango Lazio Auctore. 336 x 456mm. Austria, after Wolfgang Latzen, as issued by Ortelius. Ref: Koeman, Ort 1 A-D [27].

6 Regni Bohemiae Descriptio. 335 x 500mm. The map of Bohemia from Ortelius' *Theatrum*. Ref: Koeman, Ort 1 A-D [25].

7 Silesiae Typus Descriptus et editus a Martino Heilwig Neissense, Nobili viro Nicolao Rhedinger dedicatus. Anno. 1561. 279 x 380mm. The map of Silesia, after Martin Heilwig, 1561, as issued by Ortelius. Ref: Koeman, Ort 1 A-D [26].

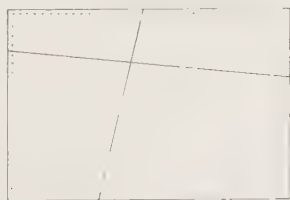
8 (a) Cyprus Insula 185 x 450mm.

(b) Candia, Olim Creta. 175 x 450mm

Two maps on the one plate, Cyprus and Crete, as issued in the *Theatrum*. Ref: Koeman, Ort 1 A-D [39].

9 Graecia 333 x 488mm.
MS Scales: Germanica mil: Comunia 5 [=78mm]
Italica Com: 180 [=7mm]

The map of Greece, including southern Italy, the Balkans, Crete and western Asia Minor cut out of a four sheet section of the 1554 Europe wall map. No cut-outs. Two MS Scales drawn in. Added margins.



10 Schlavoniae, Croatiae, Carniae, Istriae, Bosniae, Finitimarumque regionum Nova Descriptio. Auctore Augustino Hirsovogelio. 336 x 460mm. The map of the northern Dalmatian region after Augustin Hirsovogel, as published by Ortelius in the *Theatrum*. Ref: Koeman, Ort 1 A-D [41].

11 Hungariae Descriptio, Wolfgango Lazio Auct. 349 x 500mm. The map of Hungary after Wolfgang Latzen as issued by Ortelius. Ref: Koeman, Ort 1 A-D [42].

Further information on the Latzen maps may be read elsewhere in this issue, in L.L. Gróf's article 'Ortelius' Maps of Hungary', pages 2-11.

12 Transilvania. Hanc ultra: vel: Transilvaniam, quae et Pannodacia, Dacia Ripensis, Vulgo Sibemburgensis Dicitur, editit Vienne, A^o 1566, obliiss. atq. Doctiss. Ioëſ Sambucus Pannonius. 306 x 424mm. The map of Transylvania from Ortelius' *Theatrum*. The example in this atlas has only the one plain engraved border, 7mm wide; later issues, after 1579, of this map have three added ornamental outer frame lines, totalling 17mm in width. The example present is a sharp impression

with several engraver's guide lines still visible. Ref: Koeman, Ort 1 A-D [43].

43 (a) Thietmarsiae, Holsaticae Regionis Partis Typus Auctore Petro Boeckel. 304 x 192mm.

(b) Prussiae Descriptio ante aliquot annos ab Henrico Zellio edita, ab eoqz D. Ioanni Clur, civi Gedanensi Ded: 304 x 192mm. Two maps on one plate, the one of Dithmarschen, north of the Elbe estuary after Peter Boeckel, the other of Prussia after Heinrich Zell, as issued in Ortelius' *Theatrum*. Ref: Koeman, Ort 1 A-D [22].

44 Svetia & Norvegia regna. 376 x 590mm.

MS Scale: Germanica mil: comunia 30 [=51mm]

The map of Scandinavia cut out of a six sheet section of the [1554] Europe wall map, with small cut-outs made good with pasted in pieces of paper and penned in stipple. The upper and lower right sheet sections bear distinct traces of reworking of the engraving which, it is understood, were also present on the Breslau copy. See also 30 and 45. For example, the topographic detail north of Kexholm is altered, and in the Gulf of Finland are seen traces of an engraved compass rose and rhumb-lines. In the area of what is now Russia, again considerable alteration of topographic detail is noted, especially at Orsa on the Dniepr and in the area southeast of Novgorod. MS Scale added. Added margins.



45 Sarmatia Europe, in qua sunt Lituania, Russia, Podolia, Moldavia & vicine regiones. 369 x 505mm.

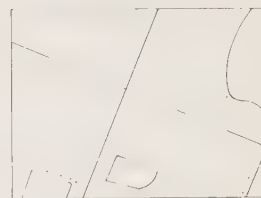
MS Scale: Germanica mil: comunia 45 [=78mm]

The map of Sarmatia, or western Russia cut from a five sheet section of the [1554] Europe wall map, with a tiny cut-out at the bottom made good. A point to note is the reworking of the outline of northern coast of the Sea of Azov: traces of the earlier engraved coastline giving the sea an oval shape are plainly visible whilst the reworking has added a wide estuary to the mouth of the Don river. Did Mercator have access to Anthony Jenkinson's detailed descriptions of Russia and Muscovy as detailed in the Jenkinson map published, according to Ortelius, in 1562, and which, according to Keuning in 'Jenkinson's Map of Russia' in: *Imago Mundi* XIII, 1956, was well known in the Netherlands? The version of Jenkinson's map as published by Ortelius in the *Theatrum* in 1570 shows the extension of the north coast of the Sea of Azov quite plainly. The suggestion therefore is that he did, which is interesting because it is understood that similar revisions appear on the Breslau copy. See also 30 and 44. MS Scale added. Added margins.



46 Asia Minor que nunc Natolia dicitur. 336 x 440mm.

The map of Asia Minor cut out of a four sheet section of the Mercator Europe wall map, again with irrelevant detail cut out and made good with pasted in pieces of paper. Added margins.



Key:



Area replaced by plain paper.



Trimmed area of printed map.

References:

- 1 A.S. Osley, *Mercator. A monograph on the lettering of maps, etc. in the 16th century Netherlands with a facsimile and translation of his treatise on the italic hand and a translation of Ghim's Vita Mercatoris*. London 1969.
- 2 A.S. Osley, 'Calligraphy — a cartographic tool?' in *Imago Mundi* XXIV, 1970.
- 3 Quoted in full in M. van Durme, *Correspondance Mercatorienne*, Antwerpen, 1959.
- 4 Quoted in full in M. van Durme, *op. cit.*
- 5 R.W. Shirley, *Early Printed Maps of the British Isles 1477-1650*, London 1973, Map Collectors Circle no. 94, no. 74.

The Day a 'Saxton' crashed

DURING A LIFETIME of caring for antique maps and building up one of the most significant private map collections in the country, John Hughes' worst moment was when a furniture removal man accidentally knocked one of his Saxton maps off the wall.

'It crashed to the ground and was cut up by the glass from its own frame,' John told me. 'I felt terrible and bitterly regretted not having removed the map from the stairs wall before the men came.'

But, typically, he decided to learn from the experience and that has been his only disaster during 31 years of collecting. As he said, 'I'm fastidious about my maps. So much so that I don't let anyone else touch them apart from me.'

John's collection, which is based on county maps of England and Wales, world maps and sea charts of British waters, and is now worth a considerable sum of money, includes some very rare items. His pride and joy are his early acquisitions — an uncoloured 1st Edition Saxton atlas, 1579, with only two missing maps (which John is determined to find) and a 1st Edition *Theatre of the Empire of Great Britain* by John Speed, 1611, a tall copy in original colouring. He only started collecting other atlases recently and has had to sell many of his single maps in order to do so.

'Atlases are very difficult to care for,' he said. 'They need to breathe and I think it is important that every time you look at them you turn all the pages and let the air circulate. This will prevent foxing and any mildew.' He thinks it is quite wrong to keep atlases piled on top of each other so there is no ventilation. He also advises other atlas collectors to make sure there is good ventilation and a dry atmosphere in any bank vault where they leave atlases or damage may well occur there.

John started his map collection in 1948 while a student when Saxtons were around £15 each. He thinks it is very important for a beginner in the map collecting game to specialise.

'Don't collect everything by everybody,' he pointed out. 'Far better to decide on an area — either your home county or possibly a part of the world where you spent a wonderful holiday — and concentrate solely on that area. In this way the collection will have a base and a meaning.'

Also, one of the most important things in John's opinion is to buy the very best quality and never buy maps in poor condition. This is a maxim he has followed throughout his collecting career and it now means he has some very rare maps in perfect condition. He only buys from dealers he can trust and who always tell him the truth about the maps. He believes that trust between buyer and seller is absolutely vital. The alternative means disappointment and disillusionment.

John's interest in antique maps began when he was studying history at school and he believes that many a history lesson should include maps. In this respect he thinks reproductions are 'highly educational' and whet the appetite of potential collectors too.

'They also give you a very accurate yardstick for comparing your purchase with a very good standard,' he commented.

His favourite cartographer is Christopher Saxton closely followed by Lucas Janszoon Wagenhaer and his collection

includes many maps/charts by both of them.

'Antique maps have everything going for them in my view' John told me. 'I appreciate the sheer beauty of the appearance, the delight in the design and the fund of history attaching to them. No other object of art combines these three features so well.'

But he feels it is a great pity more people don't appreciate them. This is because of a lack of publicity and education on the subject. He did, however, add that *The Map Collector* was going a long way to broaden knowledge and to stimulate interest in antique maps and he applauded our efforts.

He also feels that if you are going to be a collector it is important to learn all you can from other map collectors and from reference books. John has a comprehensive reference library at his home and he is always adding new titles.

One of his bugbears is the term 'contemporary colouring' which is used in books and catalogues. As John says, this term can be very misleading and he feels it would be far better to say 'original colouring' or 'modern colouring.' If 'not known' why not say so in regard to the state of colouring.

He is worried about the number of maps being dispersed outside the United Kingdom. 'There are very few countries in the world which have made such a tremendous contribution in both maps and charts as Britain and where rare complete volumes still exist we should try to keep them in this country. Why let such a great heritage go for ever?'

Like many collectors, he is disturbed about the rise in map prices and feels it is vital that dealers do not overpay at auctions. As he said, 'If prices keep on spiralling it will be self-defeating because would-be collectors will be deterred.' What he does hope to see is a broadening of the antique map market and an increase in the number of people who appreciate and realise the beauty of antique maps and who not only collect maps but look after them properly.

His collection includes nearly all the major world maps excluding those by Mercator and Hondius; nine 1st Edition (English) Wagenhaer charts plus a good collection of atlases. Among these is a copy of:-

Saxton Kip Camden's <i>Britannia</i> , original colour	1607
J. Speed atlas (mini) containing 55 maps	1611
Drayton's <i>Polyolbion</i>	1622
John Bill's atlas <i>The maps of the Severall Shires of England & Wales</i>	1624
van den Keere atlas of British Isles	1627
J. Blaeu atlas — England & Wales, original colour	1662
John Ogilby Road Atlas of British Isles	1673
Greenville Collins <i>Coasting Pilot</i> , original colour	1693
Robert Morden Camden's <i>Britannia</i> , original colour	1697
John Pine's <i>Tapestry Hangings of the House of Lords</i> (Armada)	1739
J. Speed atlas contemporary outline colour (Overton)	1743
George Bickham's <i>The British Monarchy</i>	1743
Samuel and Nathaniel Buck's <i>Antiquities — the Panoramas of English & Welsh Towns and Cities</i>	1749
R. Sayer — <i>The Channel Pilot</i>	1792
Bougard — <i>The Little Sea Torch</i> . English Edition	1807
J. Cary <i>New British atlas</i>	1809
Ackermann's <i>History of the University of Cambridge</i> (in 2 vols)	1815
Greenwood's atlas, coloured and complete containing 46 maps	1830

Children's atlas *Reuben Ramble*

Not bad for 31 years effort and what a shame that for security reasons they have to be stored in the vaults of the Bank. Stored properly of course!

Two Welsh Map Collectors of the Eighteenth Century: Thomas Pennant and Michael Lort

by Gwyn Walters

A continuation of an original series on map collectors of yesteryear.

Gwyn Walters, Assistant Keeper at the National Library of Wales, examines Pennant and Lort's map collections in the general context of British map collectors. He has done this mainly through research into letters and sale catalogues.

ALTHOUGH NATIVE WELSHMEN did not play a significant role in the history of British cartography and the Welsh contribution to the mapping of Wales can in no way equal that of Scotland, yet there was isolated, but distinguished, effort from an early date.

Humphrey Llwyd (1527-68) of Denbigh produced praise-worthy maps of England and Wales, both published in the 1573 *Additamentum* to the *Theatrum Orbis Terrarum* of Ortelius.¹ George Owen of Henllys, Pembrokeshire (c1552-1613), wrote an uncompleted 'Description of Pembrokeshire' in the manner of the contemporary *Survey of Cornwall* (1602) by Richard Carew; and, being also an admirer of the work of Christopher Saxton and Humphrey Llwyd, he proceeded to draw the excellent and beautifully embellished manuscript map of Pembrokeshire ('Penbrochia Comitatus olim Demetiae Regionis descriptio 1602') which, in an inferior adaptation, appeared in William Camden's *Britannia* (1607).²

The next landmark was a century and a half later and has a substantial place in British marine cartography. This was Lewis Morris' *Plans of Harbours, Bays and Roads in St. George's and the Bristol Channels* (1748). Curiously, both Llwyd and Morris contemplated the making of separate maps of Anglesey, but that county was not mapped on any appreciable scale until the appearance of John Evans' Map of the Six Counties of North Wales' (1795) which, with the local imprint of 'Llwyngroes' earned for Evans' son a bounty of forty five guineas from the Society of Arts in 1802.

But, if Welsh cartographic work was hardly prolific, two Welshmen of the eighteenth century nevertheless emerge as distinguished map collectors, Thomas Pennant (1726-1798) and Michael Lort (1725-1791). It is possible that a number of antiquaries had acquired reasonable collections of maps by the close of this century, but those of Pennant and Lort are better



An engraved portrait of Thomas Pennant from the catalogue of Christie's sale, July 1, 1938; (Historical Portraits & Pictures, by old Masters sold by order of ... Rt. Hon Viscount Fielding; facing p.14). (By courtesy of the National Library of Wales.)

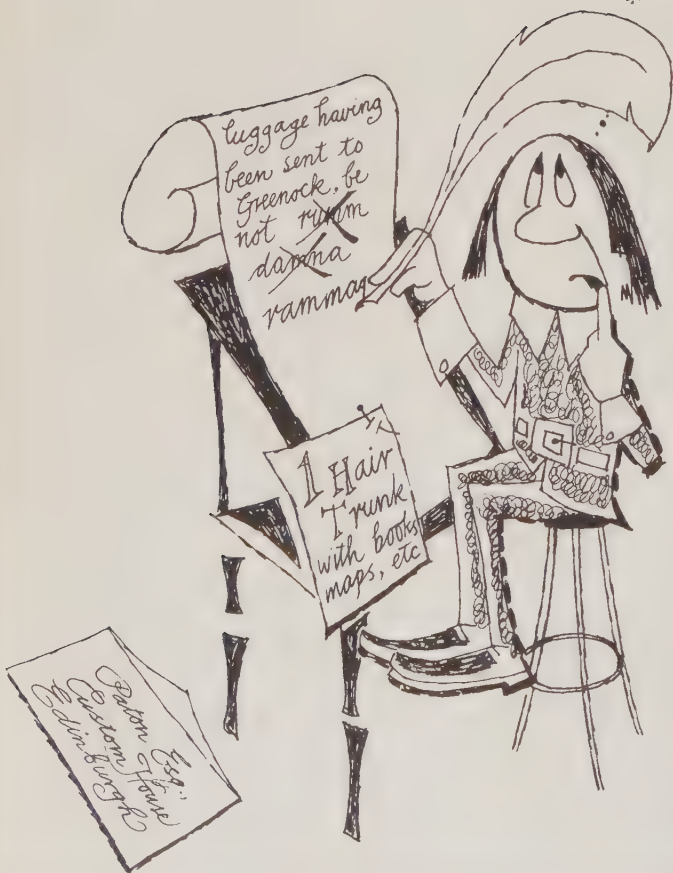
documented in crucially important sale catalogues. Lort's collection of county surveys surpasses, in individual enumeration of county maps, the collection of William Roy (whose library was sold by Christie in 1790)³ and it has the further distinction of being perhaps the first separate sale of the maps of an individual collector. Roy's maps were sold together with his books.

Thomas Pennant

Thomas Pennant came from Downing in Flintshire and was a traveller, antiquary and pioneer writer of natural history. When he started preparing his *Tour in Scotland and Voyage to the Hebrides*, 1772 (his second Scottish tour) he decided to publish a map of Scotland to accompany the text.

He used James Dorret's map of Scotland as a base and asked his Scottish correspondent George Paton to use it to transmit topographical detail.⁴ For example, Pennant required exact locations for sites 'all in the lower part of Perthshire, Angus, or perhaps the Merns' and references to 'Battle dikes' and 'Kirk of Monboddoo' he wanted plotted relative 'to other places in Dorret's great map as near as possible'. He sought similar information from the antiquary and printer George Allan (1736-1806) of Darlington (who helped William Hutchinson with his published county histories): 'If you have any topographical references to make, I must beg leave to say I have Armstrongs great Map of Northumberland, the same of Durham, and the enormous Map of Yorkshire.'⁵

It is the Scottish tour of 1772 and its aftermath of preparation for the press which gives us a special insight into Pennant's map-collecting. As the tour drew to an end in the late summer of 1772 he wrote to Paton at the Custom House in Edinburgh requesting that his homeward-bound luggage, having been sent to Greenock, 'be not rummaged' by the



He wrote to Paton at the Custom House in Edinburgh requesting that his homeward-bound luggage "be not rummaged" by the Customs Commissioners.

Customs Commissioners. A list of contents annexed to the letter included the entry 'I Hair Trunk with books, maps &c.'. The maps were not specified, but the correspondence of the next four years (1774-1777) with Paton, is full of Pennant's questing for, and acknowledgement of the receipt of, Scottish maps. Examples are:

26 July 1774. 'I have Adair' and he sought what were in effect proof copies of William Roy's 'Mappa Britanniae Septentrionalis', engraved by Cheevers.

29 December 1774. 'I am busy getting materials for a map of Scotland' he informs Paton, and asks for an inventory of relevant Scottish maps, instancing Bryce's 'Survey of the coast of Strathnaver' *sic.* being Alexander Bryce's 'Map of the North coast of Britain from Row Stoir of Assynt to Wick in Caithness' (1744).

27 January 1775. Pennant reports his possession of 'new surveys': Armstrong's 'Lothians'; Stobie's Roxburghshire; Mackenzie's 'Orcaades'; Adair, and 'some curious old maps just picked up in London'.

4 April 1775. Paton is asked for 'a plan of the Glasgow New Canal' and Pennant acknowledges its receipt on 5th May. This could have been from the survey by Smeaton or that by Mackell and Watt, since both contained plans.

3 December 1775. Pennant acknowledges 'the excellent specimen of the road book', probably a proof from Taylor and Skinner's *Survey* of 1776.

24 December 1775. Pennant acknowledges Ross's large scale map of Renfrew.

18 July 1777. Reference to 'Skinner's outline of the Highlands'.

27 August 1776. Reference to 'the Orkneys from Mackenzie'.

1777. Acknowledgement of receipt of 'the map of Dundee' and 'the rare map'. Enquires 'How does the great map of Perthshire go on'. This was eventually published by Stobie in 1783.

The Scottish correspondence with George Paton alone establishes Pennant's position as a collector of Scottish maps. Other facets of his map-collecting emerge if we study the two sale catalogues of Pennant's library⁶ (March and May of 1913) issued respectively by Sotheby and William Dew & Son of Bangor. The Sotheby sale shows Pennant is in possession of Andrews, Dury and Herbert's two-inch survey of Kent in twenty-five sheets (1774) and Rocque's London (1741-46), both of obvious interest to the author of *Some Account of London*. The subscription list for Evans' 'Map of the Six Counties of North Wales' (1795) indicates that Pennant subscribed to five copies.

The most enticing evidence of his collecting is to be found however, in the Dew catalogue. Scottish maps are not separately listed but item 1326A, 'Scotch Maps - A collection of Early Scotch Maps' probably included those maps listed above in the Paton correspondence. Item 1401, 'Inland Navigation - various folio maps and plans of CANALS, 14 items - an extremely rare collection', is consonant with Pennant's interest illustrated in his many printed tours, in the evolving patterns of the new industrial landscape of the late eighteenth century.

The Dew catalogue indicates two other primary fields of map collecting. One was the continent of Europe, characterised by such entries as 'Large folio of continental maps' (item 1318); 'Spanish maps ... *imperial folio, boards*' (item 1321); 'Italy. Large square folio book of Italian maps in *half-red calf*' (item 1330); and 'Carte de la France (1790) ... bound up with other maps of Russian, Spain, Germany &c. *Large square folio half-red calf*' (item 1325), an indication that Pennant acquired at least some of Cassini's monumental sheet series. Item 1328 'Russian Maps - Atlas Russicum. Large square folio, *half-red calf*. Petropoli, 1745' was almost certainly obtained from Peter Simon Pallas, a young German naturalist he had met at The

logue on a continental tour in 1765. Letters from Pallas⁷ show that he sent Pennant 'a Catalogue of all the maps published at our Academy'. He meant the Russian Academy of Sciences, from which Pallas accepted an invitation to explore the Siberian interior, and warned Pennant that 'the price of the maps ... has been raised by the Academical economy'.

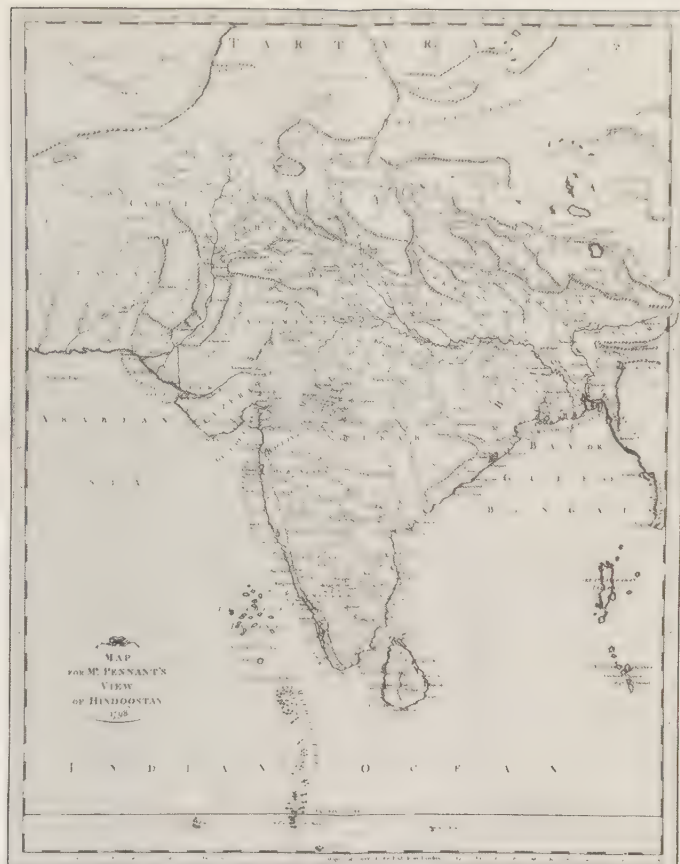
The Dew catalogue is most explicit of all in listing Pennant's holdings of American maps. We must remember that his *Arctic Zoology* was originally meant to be called 'American Zoology', political circumstances (the subject of his own rare tract, *American Annals*) forcing him to enlarge the content of the work to include the northern lands of Eurasia. The preparatory work for the volume gave him a life-long interest in America, which continued into the labour of his last years – the incomplete *Outlines of the Globe*,⁸ which he contemplated publishing with much embellishment by map and print. Few contemporary libraries could have boasted Pennant's wealth of American maps, which included: Lewis Evans' 'General Map of the Middle British Colonies in America' (1755), Joshua Fry and Peter Jefferson's 'Virginia' (1775), John Stuart's 'S. Carolina', Hutchins' 'West Virginia & Pennsylvania' (1778), Thomas Jeffreys' 'West Florida and Louisiana' (1792), Reading Dowell's 'Pennsylvania' (1792), Thomas Wright's 'New Hampshire' (1784) and John Tilson's 'Kentucky' (1793). Several other items (Nos. 1333, 1360, 1361) stipulate 'portfolios' of maps; item 1263 notes 'four vols' of maps. It was then, a significant and considerable map library, reflecting the several intellectual interests of a key eighteenth century figure.

Michael Lort

The available printed literature on Michael Lort would not incline one to single him out as a major map collector but it is the revelation of sale catalogues which is the crucial documentation. Lort, who came from Pembrokeshire, was a prominent member of the late eighteenth century Cambridge antiquarian circle. He went to school at Tenby and Westminster, and attained the Regius Professorship of Greek at Cambridge. There were two separate Sotheby auctions of his large library in 1791, the first of his books, the other of prints and maps.

The book sale with its 548 'large bundles of Pamphlets' contained a wide spectrum of collecting interest: science, Civil War tracts, autograph letters, Ossianic and other literary controversies, Celtic literature and history, typography and topography, the latter field attracting buyers such as Richard Doughty, Francis Douce, James Bindley, Michael Wodhull, William Beckford and Horace Walpole. If we were to keep an eye open, in the book sale, for Lort's ownership of maps and atlases the results would not be impressive. His possession of Camden's *Britannia* (1695), John Speed's *Theatre*, Ptolemy's *Geographia* or Münster's *Cosmographia* (which we find in the book sale) would not be exceptional in any serious eighteenth century library. A little more noteworthy would be his possession of atlases of Irish interest (he owned Taylor and Kinner's *Roads of Ireland*, Sir William Petty's maps of Ireland, and Bernard Scale's *Hibernian Atlas*) but even this would not be unfashionable. One would begin to arch an eye-brow at the appearance of 'Italian topography – a parcel including maps Italian and French' and Christopher Packe's map of East Kent, a rarity; ultimately a historian of map libraries would be tempted to dismiss these entries as anomalies in a large sale catalogue of printed books. But in reality they are the harbingers of a rich harvest, for the subsequent Sotheby sale, in Map 1791, of Lort's prints and maps is a monumental appendix to the already major exposure of the book library.

The print collection was large and possibly second only in importance to that collected by his friend and correspondent Horace Walpole.⁹ The map collection is the first known to



'Map of Mr. Pennant's View of Hindoostan, 1798' from Pennant, Thomas, *View of Hindoostan* Vol. 1 (London, 1798). This map, probably based on Rennell, is indicative of the wealth of map illustration which Pennant intended for the 20v. *Outlines of the Globe* project he had in mind as an occupation for his 'declining years'. Only four volumes of this scheme materialised, and these were published posthumously by his son, David. (By courtesy of the National Library of Wales.)

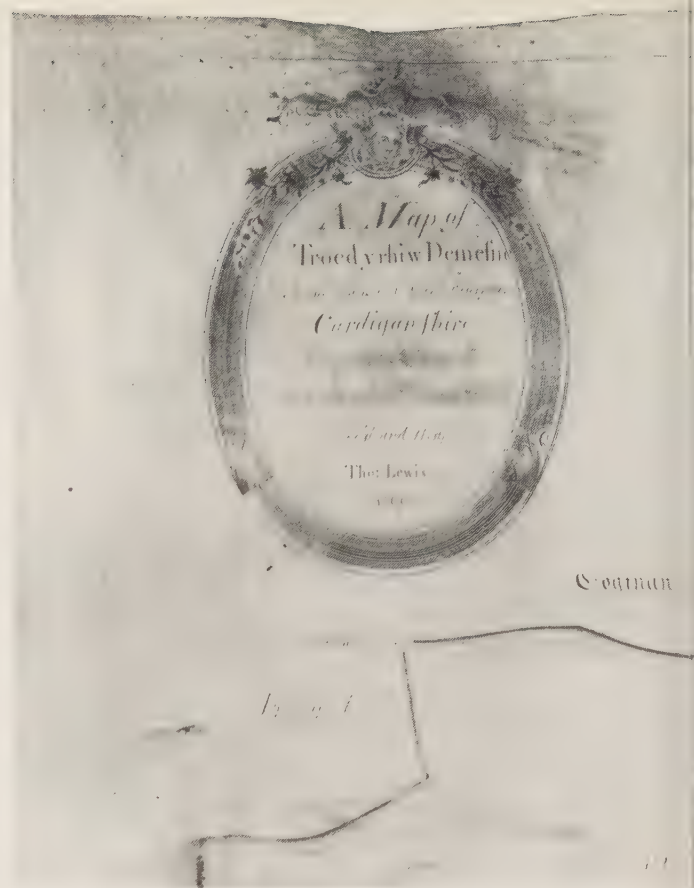
historians of cartography which is rich in those magnificent large scale engraved maps of the English counties. As usual, in map catalogues, there were 'parcels', 'portfolios' and 'collections' of English county and London maps, whose contents we can only surmise. Many individual county surveys are, however, specifically itemised, and make far more exciting reading. They include:

- Lot 49. 'Taylor's Map of Hampshire. 6 parts'
- 52. 'Map of the Isle of Wight. 4 parts'
- 60. 'Burdett's Large Map of Cheshire'
- 89. 'Donn's Maps of the County of Devon. 12 sheets'
- 90. 'Chapman's Map of Essex. 24 sheets'
- 91. 'Andrews, Dury & Herbert's Map of Kent. 25 sheets'
- 92. 'Rocque & Pine's Map of London. 24 sheets'
- 93. 'Budgeon's Map of Sussex. 24 sheets'
- 94. 'Stobie's Map of Roxburghshire. 4 sheets'
- 95. 'Wren's Map of the County of Louth. 4 sheets'
- 96. 'Rocque's Map of the County of Salop. 4 sheets'
- 97. 'Taylor's Map of the County of Hereford. 4 sheets'
- 98. 'Taylor's Map of Dorsetshire. 6 sheets'
- 99. 'Jeffrey's Map of Bedfordshire. 8 sheets'
- 100. 'Armstrong's Map of the County of Durham. 4 sheets'
- 101. 'Rocque's Map of the County of Surry. 9 sheets'
- 102. 'Rocque's Topographical Survey of the County of Berks. 18 sheets, & letterpress'
- 103. 'Chapman's Map of Nottinghamshire. 4 sheets'
- 104. 'Jeffrey's Map of Northamptonshire. 4 sheets'
- 105. 'Whyman & Prior's Map of Leicestershire. 4 sheets'
- 106. 'Dury's Map of the County of Wilts. 18 sheets'

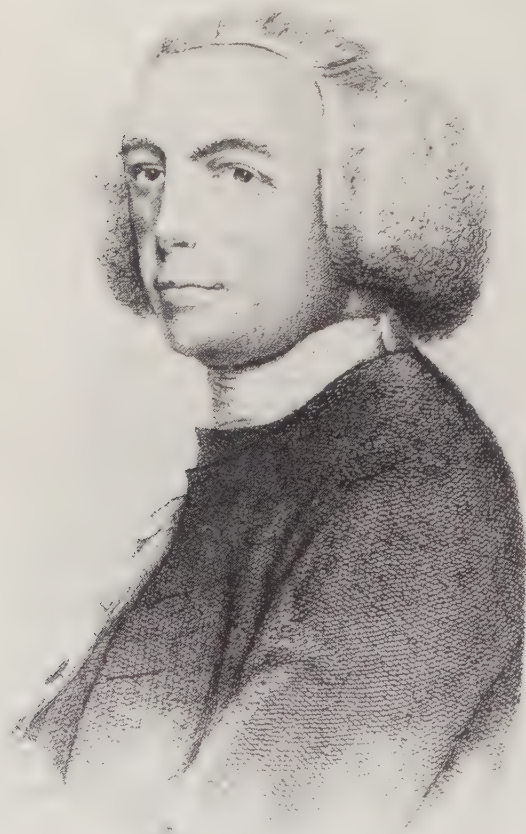
There were also entries of more local interest, such as lot 120: 'Chapman's Plan of Newmarket; Map of Newmarket Heath'. Lot 69 was for 'Saxton and Ryther's Maps of England — 1579' noting that the collection contained the inscription, 'A fair copy, of a very scarce Set of the first maps of England, worth three Guineas'.

Lort's Welsh origins are underlined by his possession of two copies of Lewis Morris's *Plans of Harbours* (Lots 61 and 63), one possibly a gift of the marine cartographer himself, since Lort corresponded with Morris on Celtic literary subjects. Lort also owned a manuscript map (lot 86), 'A Plan of Troed-y-rhius (sic) Demesne, in the Parish of Llanbadarn Fawr, in Cardiganshire ... on a large sheet of vellum', depicting an area near Morris' house at Goginan. Lort, like Pennant, seemed to take an interest in American affairs. Lots 82 and 85 were parcels of American maps, and 'Speer's Maps of the West Indies 8 sheets' constituted lot 84. There were European, African and Asian maps, 'sacred', historical and linguistic maps; and maps of fortifications. There were even '15 small books of Maps & Plans relating to the History of China'.

An interesting cartographic side-light was that Lort was responsible for three unique maps reaching the library of his friend Horace Walpole. 'I understand from Christie', he wrote to Walpole on 13 August 1781, 'that Sheldon's sale comes on the 27th; that catalogues are not yet printed ... I have given him directions to send you one'. They were described by Gough in his *British Topography* (1780) as '3 large maps of Warwick, Oxford and Worcestershire in tapestry, near 80ft. square, by Francis and Richard Hickeys. Covering two sides of a gallery at Mr Sheldon's at Weston, in Long Compton'. Walpole, however, was no map collector (his letters suggest he had only the vaguest knowledge of roads out of London)¹⁰ and he eventually presented them to Lord Harcourt (1743-1830) of Nuneham.



The title cartouche from a manuscript map on a large sheet of vellum owned by Lort and included as lot 86 in the Sotheby sale of 1791. It depicts an area near Lewis Morris' house at Goginan. (By courtesy of the National Library of Wales.)



An engraved portrait of Michael Lort from Horace Walpole's *Correspondence XVI*, 1952, facing page 138. (By courtesy of the National Library of Wales.)

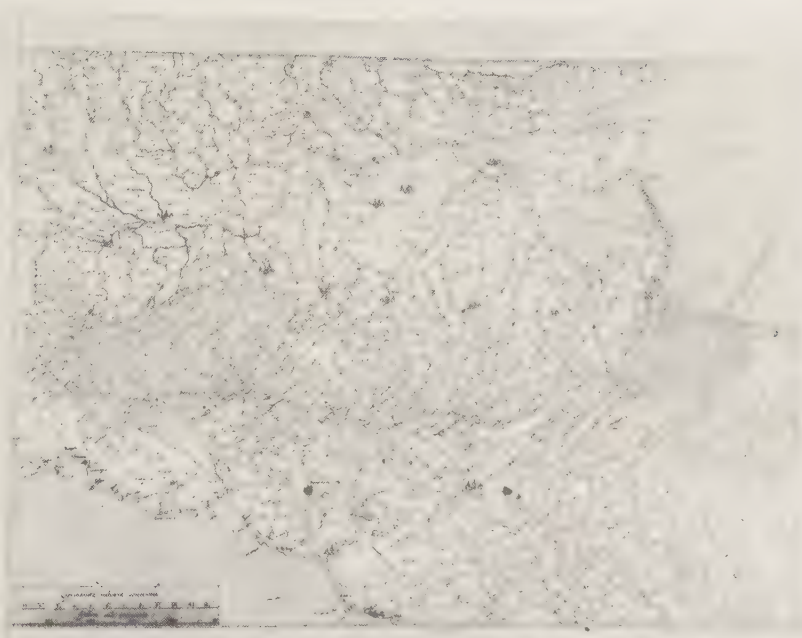
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- 1 F.J. North, *Humphrey Llwyd's Map of England and of Wales* (National Museum of Wales, 1937).
- 2 B.G. Charles, *George Owen of Henllys: a Welsh Elizabethan* (National Library of Wales, 1973), chapter XIII 'Geology and maps'.
- 3 J.B. Harley and Gwyn Walters, 'William Roy's maps, mathematical instruments and library: the Christie's sale of 1790', *Image of the World* 29 (1977) pp. 9-22.
- 4 All quotations from the Pennant-Paton correspondence are taken from National Library of Scotland, *Adv. M.S. 29.5.5* (2 vols.)
- 5 John Nichols, *Literary anecdotes of the eighteenth century* Vol. VIII (1814) p. 720.
- 6 Eiluned Rees and G. Walters, 'The Library of Thomas Pennant' *The Library*, (June 1970) pp. 136-149, deals more comprehensively with Pennant's library.
- 7 Carol Urness, ed. *A Naturalist in Russia: letters from Peter Simon Pallas to Thomas Pennant* (Minneapolis, 1967) pp. 157, 27, 28.
- 8 Nineteen MS. vols of the *Outlines of the Globe* are at the National Maritime Museum, Greenwich. The missing volume, which completes the set, is at the National Library of Wales. Newly scheduled Pennant-Feilding papers at the Warwick Record Office confirm Pennant's zeal for American maps.
- 9 Horace Walpole, *Correspondence: ed. by W.S. Lewis*, Vol. 16 (London, New Haven 1952) pp. 137-228 brings together the extant Walpole-Lort correspondence.
- 10 'Let me know', he asked William Cole on 1 July 1763, 'how far it is to Bletchley, and what road I must take,' and subsequent letters confirm his unease.

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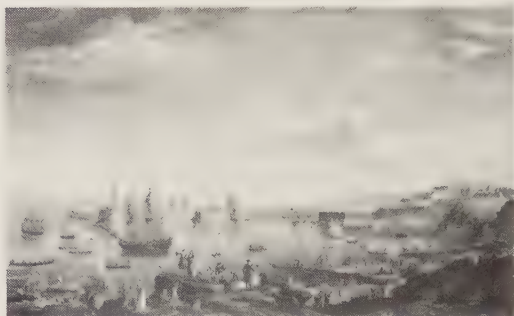
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Drake 'landing again' in America

THE BRITISH LIBRARY has taken its exhibition, 'The Famous Voyage of Sir Francis Drake, 1577-1580' to the Museum of Our National Heritage in Lexington, Massachusetts.

The exhibition opened in January and will stay in Lexington until May when it will be moved by The British Library staff to Oakland Museum, California.

Papers given to Cartography Interest Group

THE HISTORY OF Cartography Interest Group of the Canadian Cartographic Association held a highly successful meeting at the University of Toronto recently.

Many of the papers were reports on work in progress and several others dealt with Cartobibliography. Dr Richard Ruggles of Queen's University spoke of the training of the Charity Hospital apprentices selected for Hudson Bay Company mapping duties. He covered the difficult conditions under which they worked and their relatively unknown contribution to the mapping of the regions controlled by the company.

There were a number of other papers given including one of the cartobibliographical analysis of sixteenth century maps related to the study of the Italian map trade by David Woodward, director of the Hermon Dunlap Smith Center for the History of Cartography at the Newberry Library. The organiser of the meeting, Joan Winearls, map librarian at the University of Toronto, reported on the status of cartobibliography in Canada.

The next meeting of this group will be held in May during the conference of the Canadian Cartographic Association at York University in Toronto.

Dealer seeks out the Unusual

GERMAN MAP-dealer arrived at Heathrow at 10 a.m. late for a Sotheby's sale. Rushing into a taxi, he thoroughly confused the driver, who thought the German had said, 'I want Lucy bits in Bond Street'. (We are grateful to Roger Baynton-Williams for this contribution.)

Exhibition in Nice

AN EXHIBITION OF rare maps and prints of Nice from 1650-1864 was held in the Banque Nationale de Paris, Nice, in February.

The exhibition, organised by Stanley Gibbons in Monaco, S.A.M. included a view of Nice and Monaco from the sea, published in Germany in 1650, and two large and very rare panorama views published circa 1840. One of these shows the beach being netted from the beach.

Pat Higgins from the Department of Manuscripts has gone to America with the exhibition and Dr Helen Wallis, Map Librarian of The British Library, will be in California on June 17 for the anniversary celebrations of Drake's landing on that coast 400 years ago. She has been invited by the Drake Historical Commission for California.

Both the American museums will be contributing extra exhibits loaned from local collections. These will include an original letter from Drake telling of his exploits at Cadiz in Spain. In addition to the British Library exhibit, the Museum of Our National Heritage is designing a participatory exhibit, 'The World of Sir Francis Drake' to be shown in conjunction



Sir Francis Drake, from an original engraving by Jodocus Hondius. An exhibit in the British Library Exhibition which has opened in America.

Australian collectors

A COUNTRY WITH a comparatively short history of European influence, Australia, is also a land where interest in antique maps is a relatively recent, but fast growing phenomenon.

The Australian Map Curators' Circle is an active national group catering for everyone involved in maps — map producers, users and curators. And it has its own journal, 'The Globe.'

Mr Brij Singh, Acting Map Curator at the National Library of Australia, Canberra, told 'The Map Collector' that most Australian collectors were primarily interested in antique maps of their own region. But some certainly had wider interests, and he knew of one person, for example, who had assembled a fine collection of Turkish maps over several years.

Mr Singh was temporarily filling the post left open when the last Map Curator, Ms Elizabeth Ellis, left at the end of 1976. He expected a new curator to be appointed soon, however, and pointed out that a wide variety of Australian institutions, such as major libraries, art galleries and museums, were interested in antique maps relevant to their collections.

The National Library's collection of older maps of the Pacific and Australia is particularly good. It has many notable and important maps and a quantity of rare and valuable atlases of the region.

Over the years the library has acquired a

number of formed collections, the core of its historical holdings having come from the Petherick Collection, in 1912.

In 1959, the Nan Kivell Collection added a wealth of earlier types of mapping. It covers all parts of the world and is specially noteworthy for European-produced maps of the seventeenth and eighteenth centuries.

By far the largest private collection to go to the National Library was that of Sir John Ferguson, who maintained constant contact with the library and made several substantial donations after 1909. His collection was strong on Australiana, and includes a large number of maps produced in Australia in the nineteenth century — the sale plans of Sydney alone number more than 7,000.

The Tooley Collection, again strong in the Australia and Pacific area, also brought the library about 7,000 maps, not previously available in Australia.

Of the other major libraries, the State Library of New South Wales' Mitchell and Dixon Libraries have notable rare map collections.

The Mitchell Library is based on the collection of David Scott Mitchell, bequeathed to the state in 1907. Its 70,000 maps are predominantly of Australasia and the Pacific.

The Dixon Library's 1,700 historical maps include a large number of manuscript maps.

NEWS



with the main one. This will provide a display of special environments such as life on board Drake's ship, the costumes of the period and classroom materials for younger visitors.

Cartographical Curiosities 3



*Given Capt. J. F. & M. W. Bones, Master & J. F. McLean
Suva, Viti Levu, July 1754 N. B.*

Long Island struck out by J. F. McLean

This map of 'Treasure Island' from the book by Robert Louis Stevenson of the same name, is perhaps the most famous map in English literature. Stevenson drew it before he wrote the book – in fact it inspired him to write the book – and carried out his own belief that 'the author must know his countryside, whether real or imaginary, like his hand; the distances, the points of the compass, the place of the sun's rising, the behaviour of the moon, should all be beyond cavil.' (By courtesy of the British Library Board.)

OBITUARY

LESS THAN A year after his retirement as Keeper of the Map Room at the Royal Geographical Society in London, Brigadier R.A. Gardiner has died.

Since his retirement he had been serving as a member of the Royal Society's Ordnance Survey Committee which at that time was actively engaged on the wide-ranging Government enquiry into the Ordnance Survey and its future activities. He was very keen on obtaining international co-operation for the maintenance of the 1:1,000,000 international map of the world, and also in extending the coverage of the *Tabula Imperi Romani* series.

Brigadier Gardiner, MBE, was appointed Keeper of the Map Room in October, 1966, and in this capacity he represented the Society on many committees concerned with geography and cartography. He was Chairman of the Royal Society's Cartographic Sub-Committee until his retirement and was also UK representative at the International Cartographic Association where his views were much respected.

New Study Centre

THIS ELEGANT room is part of the new Cartographic History Library, opened in April at the University of Texas, Arlington, USA.

The library, which is housed on the sixth floor of the University Library, in the Special Collections Suite, is a centre for the study of the history of the New World's discovery, exploration and mapping. It concentrates on North America, with special emphasis on Texas and its historic boundaries, as well as the American West.

Thousands of rare historic maps and atlases, and original and reprint editions of the narrative and accounts of explorers and travellers in the Americas, are contained in the collection. And they are complemented by a substantial collection of related reference works.

The library's holdings span five centuries of printed maps. They highlight representative and prototype maps of the European and American periods of map production, particularly from the 18th and 19th centuries, and the library is proving to be of great value to students.

PROFILE



Shannon McCune

Korean Maps his speciality

SHANNON McCUNE, who wrote an article for Issue no. 4 of 'The Map Collector' entitled 'Old Korean Hand Atlases' attributes his lifetime fascination with Korea to his birth and early years in that country.

He was born in Sonchon, north western Korea in 1913. His parents were missionaries. He returned to the United States to

study geography and did his undergraduate work at the College of Wooster, Ohio. He followed this by his masters degree at Syracuse University, New York and his doctorate at Clark University, Worcester, Massachusetts in 1939.

Most of his life he has been a teacher of geography but during the second world war and the Korean war, he worked for the United States Government in economic intelligence and analysis work. He received the Presidential decoration, the Medal of Freedom, for his work in China during 1944-45. From 1955-69 he was in administration work serving as Provost to the University of Massachusetts, Staff Associate at the University of Illinois, President of the University of Vermont and Director of the American Geographical Society. In addition he undertook administrative work for the United States government and for the United Nations.

As if that wasn't enough for one person he was also Councillor and Vice-President of the Association of American

Around and About

NEWS



to commemorate the 400th anniversary of the publication of Christopher Saxton's atlas, the Wakefield Historical Society are publishing a co-bibliography on Saxton. It is being written by Heather Lawrence and Ifor Evans. Heather Lawrence is writing the life story of Saxton and says she has found 'completely new' information while studying local archives and she is well placed to make such a study as Saxton's local village of Dunningley is just six miles from her home. Ifor Evans, who wrote a thesis on Saxton's atlas and later editions, is providing the sections on the atlas. The book is due to be published by Wakefield Historical Publications in late summer or early autumn.

There will be an exhibition of Icelandic cartography from the collection of Dr Jón Vestdal, Reykjavik, and consul Oswald Dreyer-Eimbcke, Hamburg, beginning March 9, 1978 at Gutenberg Museum, Mainz, West Germany.

The London map dealers, Weinreb & Douwma, have changed their name to Robert Douwma Prints & Maps Ltd., on the occasion of the retirement from the firm of Ben Weinreb, who founded the business in 1963. The change of name coincided with an unusual exhibition of hand-drawn material at the Great Russell Street premises they have occupied for the past nine

years. Entitled, 'Manuscript Maps and Charts', this included a sizeable collection of eighteenth century French sheets, a series of plans drawn at the Tower of London by draughtsmen belonging to the Board of Ordnance, and a large sea atlas of the Yugoslavian coast by C.F. Beauteemps-Beaupré.

An international map seminar and exhibition is to be held from June 11-15, this year, in Pretoria. The seminar will be held at the CSIR Conference Centre which is a brand new building with many modern facilities. This will be an important international gathering of map librarians and others interested in cartography. The first two days will be workshop sessions giving practical training to librarians in the fields of map cataloguing, classification and indexing, handling and storage. Also conservation and restoration. The exhibition will be on various aspects of cartography. All enquiries to The Map Librarian, The State Library, P O Box 397, Pretoria 0001, Republic of South Africa.

Alexander Carson Clark, who was Managing Director of Stanley Gibbons Mapsellers, would like to inform his friends in the cartographic world that he is no longer associated with the company. Anyone wishing to contact him

should write to his private address at 47 West Park, London SE9 4RZ. Tel: 01-851 3345.

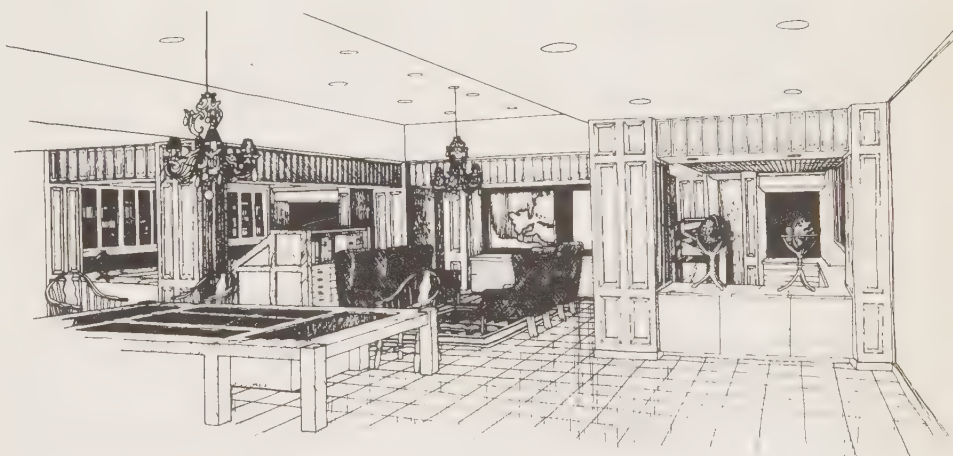
The New York Map Society have recently completed their first year. For their January meeting they visited the New York Public Library Map Division to see some of the rare maps and atlases. Their March meeting will be a report by Penny Barcklay and Alice Hudson on their research into women in cartography. Details of the Society from P O Box 426, Rye, NY 10580.

A great enthusiast and collector of Russian maps, Mr Stafford Scholes, would like to hear from other collectors with the same interest in what he describes as his own 'particular form of cartomania'. His address is 2 Kirkstone Drive, Belmont, Durham DH1 1AH.

The core of the American West content is the Eberstadt Collection, composed of 1,200 street maps and several hundred atlases. Among the countless fine maps in the library are Martin Waldseemüller's 'Tabula Terra Nova' (Strassburg, 1525); Abraham Ortelius' 'America Sive Novi Orbis' (Amsterdam, 1570 and 1587); Nicolas de Fer's 'La Rivière de Mississippi' (Paris, 1715); and Thomas Bradford's 'Texas' (Philadelphia, 1835).

This splendid new library was established as a co-operative project by the University of Texas System Board of Regents and the University of Texas at Arlington. It was made financially possible by a grant from the Sid W. Richardson Foundation, with additional aid from the T.J. Brown and C.A. Lupton Foundation, and the special support and help of Mr and Mrs Jenkins Garrett.

Further information about the collection and the library generally can be obtained from Mr James C. Martin, Director of Special Collections, University of Texas, Arlington, Texas 76019.



geographers, Director of the Association of Asia and served with the Association of Japanese Geographers, the American Oriental Society and the National Council for Geographic Education.

Since 1969, Dr McCune has been at Florida University in the Department of Geography. He is a well known author mainly on the subject of the Far East and has written two books on Korea and two books, along with some 120 articles and monographs, generally on the geography of the Far East. At present, he is working on a political geography of this same part of the world with a rough draft on the subject nearly completed.

Dr McCune describes himself modestly as 'only a rank amateur' in the map collecting field. But he has a unique collection of Korean atlases and maps which he has gathered over the last forty years and is very proud of.

He built up his collection by 'wandering around in second-

hand bookshops and map shops in London, Paris, Tokyo, Seoul and New York. He finds his collection of European maps of the Far East very useful in his class for graduate students on the History of Geographic Thought. 'There is no better teaching device than to have the students feel and study a Mercator, a Speed or a Bonne map and to note the changing shape of Korea on these maps', he commented.

Two years ago, he spent some months in Korea looking unsuccessfully for a Korean prototype of the map copied by the Jesuit missionary-cartographers in Peking in 1710-1718. This map was used by d'Anville for his atlas of China in 1735 and marked a turning point in European cartography by depicting the Korean Peninsula in a fairly accurate shape and location. No doubt Dr McCune will take up his search again and continue to fill his busy life with more and more fascinating projects. His contribution to the knowledge of Korean maps must indeed be unique.

BOOK REVIEWS

THE GREAT EXPLORERS. THE EUROPEAN DISCOVERY OF AMERICA by Samuel Eliot Morison. New York: Oxford University Press, 1978. pp 752. £6.95.

When they were first published *The European Discovery of America: The Northern Voyages, A.D. 500-1600* (1971) and *The European Discovery of America: The Southern Voyages, 1492-1616* (1974) were hailed as fundamental contributions to the history of the discovery and exploration by sea of the coastlines of the Americas. They were the harvest of a life-time's study of maritime history and were cast in the monumental mould of John Fiske's classic *Discovery of America* (2 vols., 1893) and Justin Winsor's *Narrative and Critical History of America* (1884-89).

The two volumes comprised almost 1500 pages of narrative, critical bibliography and illustration, and were destined to stand – if not unchallenged in some detailed conclusions – at least secure in their superstructure for a generation or more. In 1976 Samuel Eliot Morison died in his 88th year. The book now under review represents an abridgement of those two volumes in which approximately half the original text has been discarded. Nine of the twenty chapters in the *Northern Voyages* and fourteen of the thirty-one in the *Southern Voyages* have come under the axe together with the 'Bibliography and Notes' accompanying each of the original chapters.

The logic of the abridgement has been to retain chapters dealing with major heroes and voyages but to omit those dealing with 'minor voyages'. The present book is built around the exploits of the Cabots, Verrazzano, Cartier, Gilbert, Frobisher, Davis, Columbus, Magellan and Drake, together with background chapters on English, French, and Spanish ways of sea-faring. Gone are the equally fascinating accounts of St. Brendan and the Irish, the Norsemen and Vinland, the voyages of Gomez and Ayllón, by Raleigh and White to found the first and second Virginia colonies, as well as voyages to the

Spanish Main and to the coasts of Brazil and Argentina by men such as Vespucci, Pedro de Mendoza, Sarmiento de Gamboa, Thomas Cavendish and others.

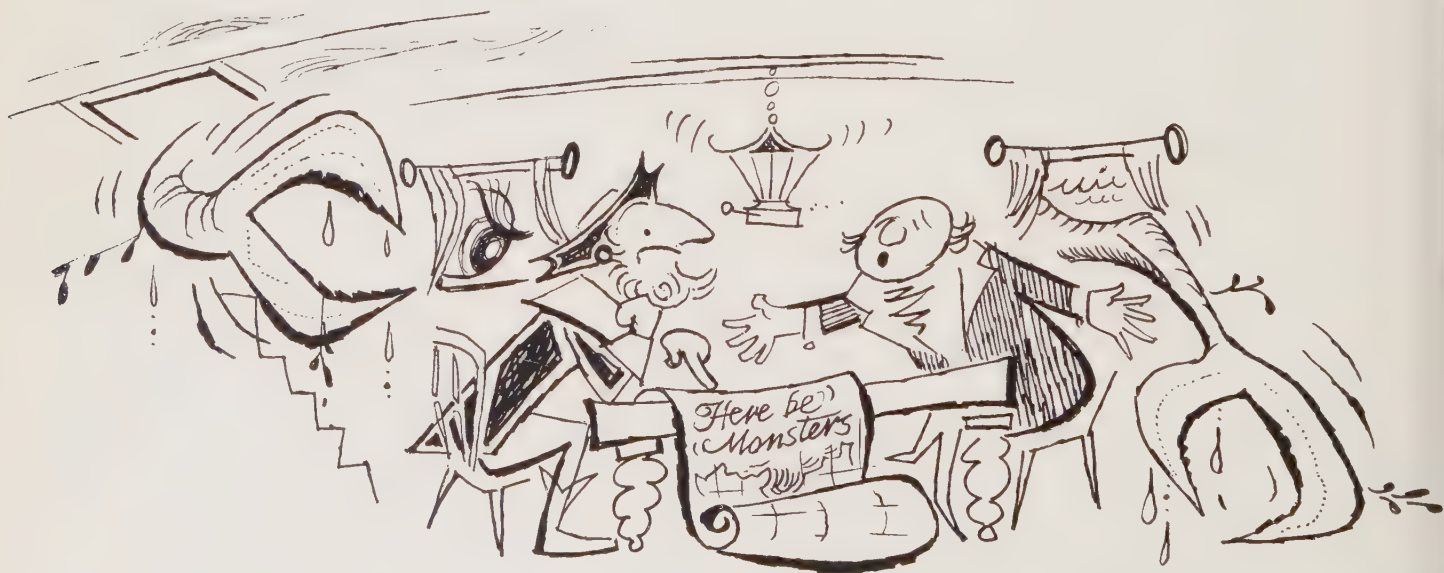
What remains is still a tremendously impressive book. It says much about the breadth and depth of Morison's scholarship that such an abridgement had left undiminished his impact as an imaginative historian and writer. His learning is profound – with a sure grasp of the English, French, Italian, Portuguese and Spanish authorities – and yet it is worn lightly and without pomposity. The *Great Explorers* is a very personal interpretation, almost a *credo*, for Morison sees in the voyages of discovery the wider human epic and not without relevance to our modern times. Certainly the past is never dead in this book. To T.S. Eliot's injunction in *East Coker*, 'Old men ought to be explorers', Morison adds, 'Young historians, too!' Accordingly he had walked about the streets of the navigator's home ports and visited their farms and country estates.

More remarkably, with tenacity of aim over many years, he had traced by sea and air the original routes of the discoverers, sounding anchorages and sighting the same misty headlands where landfalls were first made almost 500 years ago. To an often tantalisingly sparse historical record he brings to bear a practical knowledge of navigation and of ocean currents, tides, storms and winds; this does much to reduce the remaining mysteries of those distant events. There is hardly a boring page for the style is vigorous and often evocative. We find ourselves on board ship, navigating, changing the watches, sharing food and drink and ritual and religion, or sensing the ambitions – for gold, glory and the Gospel – which drove men to search for the 'land to the west'. But we also arrive and follow the sailors onshore to enjoy short-lived 'honeymoon' contacts with native peoples; we are homeward bound and offer thanks at the shrine of a favoured saint for a safe voyage. The narrative enables us to partici-

pate in events to a degree unusual in much academic history.

As a general historian of discovery Morison is often indebted to the evidence of cartography. Serious students will still need to refer to the unabridged volumes and in particular to their 'Bibliography and Notes' which contain essential material on many key maps. On the Vinland map, for example, Morison had 'serious reservations' (which he characteristically defined as 'the polite scholarly term for saying that you suspect fakery'), but his trenchant comments extended to many other seminal maps such as Cabot's world map of 1544, the La Cosa Mappemonde, the Oliveriana map, the Cantino map and the Molyneux map and globe. But even if now these notes have been omitted – and in no sense is this a book about the cartography of the voyages – the remaining text throws much light on the sources of particular maps and how they enter the process of discovery. Occasionally as in Dieppe where map-makers such as Roze, Desliens, Desceliers and Vallard 'obtained their data fresh, at quayside, from master pilots such as Jacques Cartier, and produced charts of the northern regions equal to those of the Portuguese for accuracy and beauty' we encounter the cartographic workshops of this age of European reconnaissance. But much of the emphasis is on the likely circumstances of the first-hand acquisition of information and its immediate interpretation.

Many voyages, like those of Columbus, were undertaken in quest of a route to the Indies or a 'Passage to Cathay' and thus speculative seas, rocks, shoals, islands and straits creep into the maps. Verrazzano, for example, believed he had glimpsed the Pacific across the outer Banks of Carolina and this fundamental error – which in world maps gave North America a narrow waist around North Carolina – was long perpetuated as in the work of the Italian cartographer Maiollo. But if myth was always mixed with fact in early cartography, the voyages



"... IF YOU BELIEVE THAT MAP, YOU'LL BELIEVE ANYTHING..."

ngly and collectively, brought about a rapid
crease in European knowledge of the American
continent; Cartier's voyages alone, for example,
are sufficient to result in a 'revolution in
orth American cartography'. Morison's book
offers a stimulating initiation to the mapping
of the discoveries. Maps are placed in their
correct historical perspective — a balanced
viewpoint especially valuable for those who
work mainly with maps. And just as we are
warned against paying too much attention to
secular features of early maps, which may
have been nothing but a draftsman's whimsy'
but have inspired 'pages of vain conjecture',
too we retain a sense of their historical
importance as both a primary record and an
impulse to further discovery.

This is a satisfying book. I began to read the
Great Explorers on the last day of 1978. As a
lizzard took hold of Drake's Devon I was
intering with Cartier under the Rock of
uebec or found myself with Frobisher's crew
ong the Labrador shore. Part of the historical
experience is to link the past with fragments
esent in one's own life. Samuel Eliot Morison
ad the unusual gift of touching chords in many
ves and this masterly survey is highly re-
ommended for any map-lover's bookshelf in
1979.

rian Harley

EARLY MAPS OF INDIA by Susan Gole.
dinburgh and London, Charles Skilton Limited,
1978, (250 x 190mm), pp 126, 32 illustrations,
ibliography and index. £6.95.

This book is one of the very few works that
deal exclusively with maps of India and gives a
reasonably clear and racy account of the history
of mapmaking activities by centuries of
European traders, soldiers and publishers. Mrs
Gole's text is confined to maps made by people
rom outside India and begins with the maps
ublished to illustrate the many editions of
tolemy's *Geography*. She deals mainly with the
creasing European interest in India from the
teenth century onwards and the development
of cartography in response to the mercantile and
mperial ambitions of the various powers. A
rief section on nineteenth century British
aps of the sub-continent, the first to use
iangulation in order to establish accurately
eographical points and distances, closes the
istorical account.

All this, plus the second section of the
book dealing with the printed maps themselves
with 101 entries listing maps published between
1513 and 1795, should add up to a valuable
ference for those interested in the subject,
ut regrettably the information suffers from
oor presentation. For example, it is really of
o assistance to read in item 8 about the 1596
inschoten ('map of India, Arabia and part of
frica') without being given the full title.
ven less useful is its description, 'very
ecorative', even if reproductions do serve as
ndpapers of the book. Also lacking are the
ublishers and place of publication of each
ap in this section.

However, Mrs Gole provides the reader with
a reasonably extensive bibliography showing
that a certain amount of effort has gone into
the writing. The same cannot be said of the
production of the book which was printed and
bound in India and does not match up to
western standards. The illustrations are also
poorly presented and in places illegible. If this
book is to go into a second edition illustration
8 should be given its correct caption. In place
of 'De Wit's New Map of the Mogul Empire,
1708' as stated in the caption, we are given a
smudgy illustration of Coronelli's map of the
Indian Peninsula.

With these shortcomings in mind, the
potential reader should find Mrs Gole's book a
useful working account of Indian maps but it
is really not worth the cover price.

J.J.S. Goss

THE TIMES ATLAS OF WORLD HISTORY.
Edited by Geoffrey Barraclough. London,
Times Books Ltd., 1978 (370 x 250mm),
pp360, maps, illustrations, bibliography, index.
Cloth. £20.

Following the decades of publication of
the famous *The Times Atlas of the World* the
appearance of *The Times Atlas of World
History*, after years of preparation and changes
of fortune, is very welcome.

For years, geographers, historians and the
general reader have complained at the lack of a
comprehensive historical atlas. Certainly, there
have been atlases of this kind before, for
example the atlas volume to the *Cambridge
Modern History* and the Putzger *Historischer
Weltatlas* but there was always the problem of
'sameness' in historical atlases. Also, the scale of
the maps generally allowed for only the barest
presentation of information, little imagination
was used in preparation of the maps and all
the works presented an almost totally European
view of the world and its history. Much of this
is changed by the appearance of this new atlas.

The history of the compilation of this atlas
has been detailed elsewhere, principally in an
article by Barry Winkleman of Times Books in
The Bookseller, July 1, 1978, so I will not
mention this further apart from the use of an
'illustromat' (a computer-based instrument
which plots information in three dimensions
from a two-dimensional source to achieve any
desired perspective, mathematically correct).
It is the 'illustromat' which distinguishes *The
Times Atlas of World History* from all others in
this field because at last the thematic atlas
cartographer can present historical information
from the viewpoint of the subject. In other
words, the reader can view many of the maps
as if he is looking at a globe and can relate a
theme of history to its position on the earth's
surface. I feel that the professional geographer
does not appreciate that all map information
does not necessarily have to be restricted to
presentation on a plane projection. I hope this
atlas will attract the general public in a way
that an ordinary atlas has so far failed to do.

The atlas is visually striking and I hope that
the presentation of historical and geographical



information from diverse viewpoints will lead to
a greater awareness of the events shown. A
particularly fine example of the mapping
technique is on pp 170-171 'The resurgence
of Muslim power 1520-1639'. The use of
perspective mapping to show the historical
extent of Muslim power from southern Europe
to central Asia in a wide crescent across the
globe, shows that events affecting considerable
areas outside the immediate environment are
no recent phenomenon in history as some
commentators would have us believe.

I will not dwell on the texts accompanying
the maps in this atlas: they are really only
commentaries on the maps rather than detailed
historical essays, and as such form a useful part
of the work, which should lead the user to
further study if needed.

My one complaint lies with the scattering
of small illustrations — artifacts, buildings,
events and persons — most are really too small
to be of use and could have been dispensed
with at no loss. It was an excellent idea to
append a glossary of historical events and
persons in additions to a gazetteer to round off
an event in atlas publishing after which no atlas
ought ever to be the same again.

J.J.S. Goss

INDIA OFFICE LIBRARY AND RECORDS
Report for the year 1976.

THIS UNASSUMING VOLUME published by
the Foreign and Commonwealth Office has
more than the usual interest of a yearly report
of a public library.

It includes an excellent article on Major
James Rennell's *Bengal Atlas* by Andrew S.
Cook (39 pp with 8 illustrations). It is prefixed
by a short account of the life of Rennell and
followed by detailed collations of the *Bengal
Atlas* with its various issues and the states of
different plates. Copies have been examined
not only in the India Office but also in the
Bodleian Library, British Library and University
Libraries of Cambridge, Glasgow and London.
The complete essay forms a model of carto-
bibliography.

The remainder of the volume records the
usual subjects such as accessions, cataloguing,
publications, exhibitions, staffing etc. A more
unusual and interesting section is Research in
Progress; no less than seven pages devoted to
proposed articles on Indian affairs by over 120
writers.

R.V. TOOLEY

Books from The Map Collector

books reviewed in The Map Collector
are obtainable through Map Collector
Publications Ltd. Simply write or telephone

your order to P O Box 53, 48 High Street,
Tring, Herts HP23 5BH, England. Telephone:
Tring (044282) 4977.

Catalogues received

MAPSELLERS LIMITED, 37 Southampton
Street, London WC2E 7HE. November 1978
Issue No. 14. General catalogue listing maps of



Catalogues Received continued

all parts of the world and a selection of barometers. pp[16], 320 entries, 34 illustrations.

RICHARD FITCH, 2324 Calle Halcon, Sante Fe NM 87501, USA. *Americana Catalogue No. 31*. Specialised catalogue of maps and prints of all parts of North America. pp36, 247 entries, 47 illustrations, list of references listed.

CLIFTON BOOKS, 5a Dicconson Street, Wigan, Lancashire. *Books, Antique Maps and Prints, Water Colours*. General catalogue of English county maps. pp [14], 167 + 2 entries.

DESIMON COMPANY, 111 West 24th Street, 7th Floor, New York NY 10011, USA. *Reference Books: Bibliography, Bookmaking, Printing, Books on Collecting and the Related Arts*. Descriptive catalogue of important reference works, pp48, 473 items.

ANTIQUARIAAT FRITS KNUF, Postbus 20, 4116 Buren/Gld, The Netherlands. *Stock-Catalogues 1978 125 General Works. General Bibliography. Bio-Bibliography*. pp26, 303 entries. 2 illustrations. *ibid. Stock-Catalogues 1978 130 Auction & Booksellers' Catalogues*. Descriptive listing of past auction and booksellers' catalogues from the world over. pp24, 288 entries, 4 illustrations.

WEINREB & DOUWMA LTD, 93 Great Russell Street, London WC1B 3QL. *Catalogue 20 Manuscript maps and charts 1978*. Compiled by Tony Campbell. Catalogue with introductory essay, describing manuscript maps and charts of all parts of the world, with special emphasis on French cartography. In five sections, Introduction, French maps and charts, The Napoleonic administration in Italy, British maps and charts, other nationalities. pp48, 161 items, 28 illustrations including one in colour,

indexes to places and people.

H.TH. WENNER, Buchhandlung, Antiquariat, Verlag, Heger Straße 2-3, Postfach 4307, D-4500 Osnabrück, West Germany. *Antiquariatskatalog 281. Malerische und romantische stadtsichten 15-19. Jh.* General catalogue of views and town plans of all parts of the world arranged by region. pp40. 3265 items, 77 illustrations, including one in colour, index.

OLD MAPS AND PRINTS, PO Box 2234, Fort Worth TX 76113, USA. [untitled]. General listing maps of America, Texas and the world. Compiled by Petra Figley. pp [6], 26 items, 9 illustrations.

CHAS. J. SAWYER, Booksellers, 1 Grafton Street, London W1X 3LB. *SA/91 Africana 1978 Maps and Prints*. Descriptive catalogue of maps and prints covering Africa arranged in seven sections: I - Prints from Ferrario and Prichard, II - Maps and Prints from Dapper and Ogilby, III - Maps by Linschoten, Bellin and Mortier, IV - Maps of the continent of Africa, V - Maps of Egypt and North Africa, VI - Maps of West Africa, VII - Maps of South and the East Coast of Africa. pp20, 75 items, 25 illustrations, list of references cited, index.

E J BRILL, Oude Rijn 33A-35, Leiden, The Netherlands. *Catalogue No 503 Ancient Near East November 1978*. Catalogue of books, maps and prints based on the library of the late Prof Dr F.W. König of Wien. Arranged in 12 sections: 1-Cuneiform-Pehlevi-Zend; 2-Iran; 3-Caucasia; 4-Hittitic-Anatolia; 5-Ancient Egypt; 6-Other Ancient Near Eastern cultures and general works; 7-Islamic world; 8-India; 9-Judaica Religion; 10-Classical world, Other Subjects; 12-Serial Publications. pp [104], 1311 items 19 illustrations, biographical notes, bibliography, index.

JO ANN AND RICHARD CASTEN, Antique maps, atlases and books, RR2 Little Bay Road, Wading River NY 11792, USA. *Catalogue III*. General catalogue of maps and books relating to all parts of the world in two sections. pp [8], 40 items, 9 illustrations, list of references cited. JONATHAN POTTER (ANTIQUE MAPS) LTD, 31 Sackville Street, London W1X 1DB. *Catalogue No. 2 Winter 1978 A Miscellany of Antique Maps and Prints*. Catalogue of maps and prints of all parts of the world, arranged on a regional basis. Brief introductory note. pp [32], 187 items, 44 illustrations.

D. MELLOR & A.L. BAXTER, Grays Antique Market, Stands 367 & 368, 58 Davies Street, London W1. *Catalogue Number Three*. General catalogue of illustrated books, listing travel and

topography, 16th and 17th Century; various, 18th century; various, 19th century. Art & Antiques; Reference Books. pp [22], 157 items, 5 illustrations.

PAUL ROBERTS STONEY, Print & Mapseller, Route 2, Box 521, Lancaster VA 22503, USA. *Antique Maps of America catalog 2-78*. Catalogue of maps and atlases of all parts of the Americas arranged alphabetically by state or territory, plus a few of the world. pp [16], 98 items, 81 illustrations, list of references cited.

ANTIQUARIAT STENDERHOF, Alter Fischmarkt 21, D-4400 Münster, West Germany. *Katalog 327 Bucher und Graphik: Eine Auswahl*. Catalogue of antiquarian books and prints on a variety of subjects. pp32, 143 items, 57 illustrations.

HISTORIC URBAN PLANS, Box 276, Ithaca NY 14850, USA. *Historic American Maps and Urban Views. Catalog 22-1979*. [Compiled by John W. Reps] Catalogue of facsimiles of town and city views from all parts of the world. pp [72], [406] items, [378] illustrations, index.

THE LYVER GALLERY, Paul Breen (Fine Art) Ltd, 8 Hackins Hey, Liverpool, Merseyside L2 2AW. *Fine Maps & Prints 16th to 20th Century*. General catalogue of maps and prints, mostly of northwest England. pp8, 60 items, G. & D.I. MARRIN & SONS, 149 Sandgate Road, Folkestone, Kent. *Catalogue 2. A Miscellany of Books*. General catalogue of books and maps in six sections; General, Travel, Architecture and Antiques, Illustrated, Kent and Parker's Map of Kent. pp18, 162 items, 2 illustrations, index.

THE GLOBE, Antique Maps, Prints and Books, P O Box A3398, Chicago IL 60690, USA. *List I - Misc*. General list of maps and books, mostly relating to the Americas. Folded sheet, 24 items, 6 illustrations.

JOAN WATSON, Maps and Prints, 31 Dene Avenue, Rowlands Gill, Tyne and Wear NE39 10Y. General listing of English county maps. pp [1], [294] items.

POSTAPRINT, Taidwood House, Iver Heath Buckinghamshire SL0 0PQ. *Antiquarian Engravings, Maps & Illustrated Books*. General list of maps of North America. pp [1], [49] items.

WALTER REUBEN, INC, American Bank Tower, Austin TX 78701, USA. *Catalogue 32. A Catalogue of Rare Books and Maps*. Catalogue in two main sections, dealing with books, maps and atlases of all parts of the world with emphasis on the Americas. pp157, 554 items, 45 illustrations, both sections indexed.

LETTERS TO THE EDITOR

Sir

Just a word about your June issue regarding the map oddity on page 41. Just after the last world war in 1947 I went to do post graduate work in New York and there I obtained four copies of detailed maps of South East China, Japan, Korea and the Pacific Islands etc. These were printed on very fine nylon, presumably on parachute material. They were all labelled RAF charts issued by the USA military with the greatest detail of topography, wind and force direction etc. and all in very fine colours.

If my memory serves me right, they were acquired at the large departmental store, Macys, and sold as handkerchiefs and the large ones as scarves. These were in sizes from 24 x 24in to 40 x 36in and they had very much greater detail than indicated in your illustration of the one Mr Story presented. Three are printed on both sides. I give you this just out of interest

and perhaps Mr Story would like to know.

I. Norwich
41-1st Avenue
Houghton 2196
Johannesburg
South Africa

Sir

I found your article in the September issue of *The Map Collector*, 'Women in the Map World' extremely interesting and have another name to add to your list. That of Mary Senex.

When the nineteenth edition of Gordon's *Geography Anatomiz'd* appeared in 1749, most of the map plates used were attributed to John Senex and had been appearing with minor alterations since the ninth edition of 1772. A notable change occurred on the world map. The

name of Mary Senex replaces that of John as one who 'made and sold ... the best globes of 3, 9, 12, 17, 27 inch diamr...'

John Senex died in 1741. Plomer's *Dictionary of the Printers and Booksellers Who Were at Work in England ... 1726-1775* lists an M. Senex, active from 1749 to 1753. Since 1749 is also the date of the nineteenth edition of Gordon's *Geography*, it seems reasonable to suppose that M. Senex and Mary Senex are the same and that Mary Senex, following the common practice of the time, had taken over at least some of her late husband's work.

Barbara McCorkle
Senior Reference Librarian
Purdue University
Lafayette
Indiana 47907
USA

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AUCTIONS

*It is misleading to base any conclusion on the
circumstances of the particular auction
only be judged properly by personal*

Lot descriptions for all articles realising £750 or more are reproduced in full. However, the totals at the foot of each auction cover all maps and atlases including those lots which realised less than £750. Prices quoted are 'hammer' prices to which should be added the buyer's premium where applicable.

The total realised for maps and atlases sold in auction reported in this issue amounted to £418.983.

M 26-28 Oct. 1978.	DM3.6362 = £1
14-16 Nov. 1978.	DM3.7350 = £1
23-24 Nov. 1978	DM3.7350 = £1
S \$ 17 Nov. 1978.	\$1.9413 = £1
FL11-13 Dec. 1978.	Dfl4.0775 = £1

of covers, gilt spines, morocco labels, 2 joints split, a little worn, folio, Paris, 1780-86-80, n.d.

6 SWITZERLAND-MERIAN (MATHEUS AND CASPAR)
RECUEIL DE PLANS ET VUES DE LA SUISSE, *sub-title, list*
of contents 4 leaves, 44 engraved plates, 2 full-page, 42 double-
 page, some with 2 or more subjects on each, plates nearly
 numbered in red in top fore-corners, usually touching plate-
 mark, nineteenth-century quarter calf, marbled boards, morocco
 label, Percy book label, folio np. (1650, or later).

£12,000

7 FREYCINET (LOUIS DE) VOYAGE AUTOUR DU
MONDE ... SUR LES CORVETTES ... L'URANIE ET LA
PHYSICIENNE ... [1817-20] ... HISTORIQUE, 3 vol. in four
(including folio Atlas), 112 engraved plates, maps, charts, and
plans, 41 hand-coloured, engraved title in Atlas, half-titles in
text vol., some browning in text vol., a little spotting in Atlas,
nineteenth century red calf-backed marbled boards, labels,
spines gilt, rubbed [part of Sabin 25916, Ferguson 941], 4to
and large folio Paris, 1825-39.

8 PERON (FRANÇOIS) AND LOUIS FREYCINET.
VOYAGE DE DÉCOUVERTE AUX TERRES AUSTRALES...
sur les Corvettes le Géographie, le Naturaliste; et la Goëlette le
Casuarina ... 1800-[04]. 5 vols (including Atlas, 2 vol.). FIRST
EDITION, engraved titles in the two Atlas vol., engraved portrait
of Peron, 40 engraved plates (23 hand-coloured), 32 engraved
maps and charts, most double-page, slight browning, the large
folio atlas vol. modern morocco-backed cloth, others nineteenth
century roan-backed boards, all in uniform style, slightly rubbed
[Ferguson 449]. folio and large folio Paris, 1807-16.

TOTAL MAPS AND ATLASES £43,580 (12 lots)

BRANDES, BRAUNSCHWEIG, 26-28 OCTOBER, 1978
(PREMIUM 15%)

9 ATLANTEN. – Homann, Sammelband mit 46 grenz- u. flächenkolor. Kupferstichkarten von Homann Erben. Um 1750. 8. Folio. Hldr. d. 19. Jhdts (20. Enth.: Weltkarte, Erdteile, europ. Länder, Deutschland (gesamt), Braunschweig, Schwaben, Bayern, Rheinpfalz, Mosel, Franken, Mainz, Westfalen, Jülich/Berg, Niedersachsen, Lüneburg, Holstein, Schleswig, Sachsen, Thüringen, Brandenburg, Österreich etc. – Einige Karten wasserrandig, gelegentlich auch mit angeschnittener Einfassung, die Deutschlandkarten jedoch meist un-.

DM 8900

10 — Ptolemaeus, C., *Geographia universalis, vetus et nova* ...
opera Seb. Munsteri nova paratata modo ... Basel, H. Petri, 1545.
Folio. Mit Holzschnitt-Porträt, Holzschnitt-Druckermarke, 8
(2 ganzseit.) Textholzschnitten u. 54 doppelseit. Holzschnitt-
Karten, meist mit Holzschnitt-Titelbordüren a. d. Vorderseiten
28 Bl. (d. le. w.), 195 S. Ldr. im Stil d. Zt. RVerg.
Streichenverzierung u. verg. Supralibros a. d. Decken. (74).
Dritte von Seb. Munster hrsg. Ausgabe u. gegenüber den früheren
um 6 neue Karten vermehrt. Adams P 2228. — Sabin 66487.
Harris 231. — Burmeister, Munster, 168 mit Abb. d.
Titelblattes. — Enth. insges. 2 Welt, 32 Europa-, 6 Afrika-, 13
Asien-, u. 1 Amerika-Karte. Das Porträt zeigt Ptolemaeus mit
einem Sextanten. Die Titelbordüren der Karten stammen (teilw.)
v. H. Holbein d. J., darunter die schönen Einfassungen mit
Petrus u. Paulus (Woltmann 221, Butsch 57, Heitz 64) u. mit
Hercules u. Orpheus (W 215, B. 56, H. 65). — Eine Karte mit kl.
Fleck, 2 Karten mis hs. Gradeinteilung an den Randern, außerh.
h. Darstellung, einige Bl. mit kl. Wasserfleck am Oberrand,
ebensofalls außerh. d. Darst., 2 nicht störende durchgehende
Wurmlöcher; sonst schönes, breitrandiges Exemplar.

11 WOLFENBÜTTEL. – Gesamtansicht der Stadt. Kolor. Kupferstich von 2 Platten von F. B. Werner bei J. Wolff Erben (Probst.) 1729. Ca. 34 x 102 cm. Mit gest. Legende am Unterrand. (104).

12 BRAUNSCHWEIG. Gesamtansicht der Stadt. Kupferstich von 2 Platten von F. B. Werner bei Probst u. J. Wolff Erben. Um 1730. Ca. 35 x 102 cm. Mit gest. Legende am Unterrand. Gerahmt. (104).

TOTAL MAPS AND ATLASES DM 58,650 (99 lots)

13 Agulion (François d') *Opticorum libri sex*, FRS1
1.EDITION, engraved title, 6 engraved headpieces after Rubens,
numerous woodcut diagrams in text, last leaf blank except for
large device, some browning, contemporary vellum boards, gilt
and gilded edges, ownership inscription on half-title of
Christian Friedrich Frankenstein, 1651, his initials and date
gilt on upper cover, armorial bookplate of Christian Ernst Graf
zu Stolberg and stamp of the Prince Stolberg library at
Wernigerode. Jolio Antwerp, ex *Officina Plantiniana, apud
Viduum et Filios Io. Moreti*, 1613. A 'master treatise' on
optics that synthesized the works of Euclid, Alhazen, Roger
Bacon, Kepler and others. The 'sixth book, on orthographic,
stereographic, and scenographic projections, remains important
in the history of science. It accounts for a third of the treatise
and was meant for the use of astronomers, cosmographers,
architects, military leaders, navigators, painters, and engravers.
It places particular emphasis on stereographic projection ... in
which the portion of the sphere to be represented is projected
from the pole onto the plane of the equatorial circle', DSB.
Poggendorff I, p. 18; Brit. Opt. Assoc. Cat. I, p. 2; Sotheman I,
43-44.

14 Apianus (Petrus) Cosmographicus Liber, FIRST EDITION, title with large woodcut globe, arms of the Cardinal Archbishop of Salzburg on verso, full-page woodcut on p. [viii], all printed in red and black, the title coloured by a contemporary hand; astronomical and geographical woodcuts in text, those on pp 17, 24, 50, 63 and [106] with volvelles, thread attached to diagrams on p. 19, with the final blank (but lacking the 2 separately printed diagrams illustrating the 'Instrumentum spherale' which should be attached to this), title slightly soiled and with wormhole in upper margin, contemporary South German binding of limp vellum, blind-stamped calf spine, worn, 'maria' stamped catches, broken, sm. 4to Landshut, Johann Weissenburger, 1524. The author's first major work often reprinted and translated into many European languages. Apian here for the first time suggested the use of lunar distances to measure longitude, America is depicted on the globes on pp. 2 and 63 and described on p. 69. Copies are very rarely found with the full complement of volvelles; the British Library copy for instance has the two final diagrams but lacks the volvelle on p. 50. Provenance: three ownership inscriptions on front paste-down and title-page: (1) in Latin, 1555, gift of the book by a Prior Frasmus, (2) in Latin, c. 1600, monastery of Chemnitz (now Karl-Marx-Stadt) (3) in German, signed by Christof Halla recording purchase of the book in 1653 from a named friend, Stillwell (Science) 136; Harrissee 127; Sabin 1738; JCB I, p. 89

€2600

15 -, *Cosmographia ... per Gemmam Frisium ... iam demum*
 ab omnibus vindicata mendis, *title with large woodcut globe*
double-page woodcut mappenonde, astronomical and geo-
graphical woodcuts in text, those on C2r, D1r, I12r and O3r
 with volvelles, with the 2 separately printed diagrams of the
 'Instrumentum siderale' affixed to O4r, *device at end, woodcut*
 on C3r *lacking thread, Antwerp, Gregorius Bontius, 1550;*
 Rheticus (Georgius Joachimus) *Canon Doctrinae Triangulorum,*
 FIRST EDITION, *printed in red and black, device on title,*
Leipzig, Wolfgang Guntler, 1551; Ephemerides novae seu
Expositio Positus Diurni Siderum, 1551; FIRST EDITION, device
on title, ib. 1550; Pantaleon (Heinrich) Chronographia Ecclesiae
Christianae, 1551; FIRST EDITION, device on title, Basle, Nicolaus
Byrlin, 1550, together 4 works in one vol., CONTI MPORARY
 WITTLBURG BINDING BY HANS CANTZLIR, *blind*
stamped pigskin over wooden boards, one roll signed H
(Haecler I, 72, roll 5), initials TL on upper cover with dat.
 1551, *from the library of Archduke Ferdinand of Austria with*
inscriptions on first title, 4to. Although Rheticus is popularly
 known for his promotion of the Copernican doctrine, he was
 one of the leading trigonometricians of his time. His *Canon* was
 'the first table to give all six trigonometric functions, including
 the first extensive table of tangents and the first printed table of
 secants...'. DSB. I. Harrisse 1998, *Sabin 1749; JCB I, p. 158*
 II. Adams 442 III. Adams 445 IV. Adams 173

£2400

16 . La Cosmographie ... nouvellement traduit de Latin en François. Et par Gemma Frison ... corrigé Avecq aultres libures du mesme Gemma Fr. appartenantz audiet artifice, first French edition, title with large woodcut globe, double page woodcut.

mappemonde, astronomical and geographical woodcuts in text, those on C2v, D1v, H4r and N2r with volvelles, with the 2 separately printed diagrams illustrating the 'instrument des estoilles' affixed to N3v; device at end, contemporary panelled calf, gilt ornaments, somewhat worn, eighteenth century ownership inscription on title of F. Michaud (? the French historian), 4to, Antwerp, Gillis van Diest, Aug. 1544, Harris 253; Sabin 1752; JCB 1. p. 136

£950

17 Quadrans ... Astronomicus et iam recens inventus et nunc primum editus, title printed in red and black with woodcut diagram, woodcuts in text, a few partly coloured by hand, 5 leaves at end printed on one side only with similar cuts to those in text, fore-margins a little frayed at beginning, Ingolstadt, in officina Apiani, 6 July 1532; Horoscopion ... generale dignoscendis horis, title printed in red and black with large woodcut diagram, woodcuts in text, leaf with full-page diagram inserted after A2 (this should probably be bound with the 5 leaves at the end of the previous work), ib., 1533; Introductio Geographica, title printed in red and black with woodcut on recto and arms on verso, woodcut diagrams in text, ib., 1533, together 3 works in one vol., FIRST EDITION, a few wormholes at foot, slightly affecting text in the last work, some upper fore-corners a little stained, modern brown morocco. folio. The first work comprises Apianus's inventions to solve astronomical and geodetic problems by mechanical means and includes the quadrant and horologium nocturnum. Stillwell (Science) 814, 811, 813; Houzeau & Lancaster 2394, 2395, 2397.

£1500

18 Instrument Buch ... erst von new beschriben, title printed in red and black with large woodcut on recto and arms on verso, numerous woodcuts in text, 8 leaves at end printed on one side only with similar cuts to some of those in text, lower margin of the title renewed, L2 and a few other leaves with small repairs, single wormhole runs throughout text, nineteenth century calf, bookplate of William Stirling Maxwell, the covers decorated with his monogram, motto, etc., rebound, rubbed, folio, Ingolstadt [in aedibus Apiani], 1533. Stillwell (Science) 812; Houzeau & Lancaster 2398.

£750

19 Astronomicum Caesareum, FIRST EDITION, two woodcuts on title, woodcut of arms of the joint dedicatees (Emperor Charles V & his brother Ferdinand of Spain), on verso 36 woodcut astronomical figures, of which 21 have a total of 76 (of 83) extra pieces forming volvelles and 42 (of 43) coloured silk threads, one with a surviving pearl, C³ without the text sometimes found pasted on or printed, first issue of the colophon with Apianus's arms, few minor defects, affecting printed surface, original brown calf, blind panelled, worn and defective in places, in a half morocco box, inscription on title recording that it was obtained (in 1685) by Leonid Spada from the celebrated Roman library of the Altamps family formed by Giovanni Angelo Altamps (d. 1620) and continued by his son Gaudenzio (d. 1677), large folio, Ingolstadt, at the Author's Press, 1540. Copies of this celebrated book are usually sold not subject to return on account of missing volvelles. We have been fortunate enough to have had Professor Owen Gingerich's help in collating the present copy and are prepared to guarantee the volvelles (though not the threads or pearls!) as follows: the figure on C³ lacks three of the smaller volvelles, while that on G³ lacks four of the five volvelles; this latter is the only volvelle figure on a verso and is usually defective, as the pieces pull away when the leaf is turned; in this case a small portion of the leaf has torn away as well. Apart from these two all the figures have all the moving pieces and in this present copy is certainly above average – Stillwell calls for 37 volvelles while the Horblit copy had 61. Like the Horblit copy this one was coloured and bound, as well as, printed, at the author's own press and the boards are made up from sheets of Apianus's *Inscriptiones*, 1534 (which must have proved a bad seller). The colophon leaf is in the first state with Apianus's arms at their simplest (he was upgraded as a result of this book and altered the colophon accordingly). Besides its scientific value ('pioneer observations on comets' DSB) this extraordinary production has collected many bouquets of which we select one, 'without doubt ... the most luxurious and intrinsically beautiful scientific book that has ever been produced' – Prof. Derek de Solla Price of Yale Univ., *Science*, 1967, 104. Stillwell (Science) 19; Prof. Owen Gingerich, *J. Hist. Astron.*, 1971 168-71.

£10,500

20 Barlow (William) The Navigators Supply. Containing many things of principal importance belonging to Navigation, with the description and use of diverse Instruments framed chiefly for that purpose, FIRST EDITION, engraved vignette on title, 7 folding plates, title shaved at head and dust-soiled, a few headlines cut into, some staining, disbound, half brown morocco case, sm. 4to, G. Bishop, R. Newbury, and R. Barker, 1597. 'William Barlow uses the 'nonnius' devised by Pedro Nuñez more than fifty years previously and gives a graphical method for drawing a Mercator network ... He describes a number of new navigating and surveying instruments and summarizes his own contributions to the study of magnetism. Charles Whitwell engraved the plates and was ready to make the instruments described ...'. E. G. R. Taylor, *The Mathematical Practitioners of Tudor & Stuart England*, Cambridge, 1954, pp. 334-5. STC 1445; Wheeler Gift 69.

£1100

21 Bartsch (Jacob) Usus Astronomicus Indicis Aspectuum veterum et praecip. novorum, 2 folding engraved plates, contemporary marbled boards, Nuremberg, 1661 [together with] A FULLY ASSEMBLED HORIZONTAL PLANIARIUM, approx. 1 foot square, 9 moving circles with 7 pointers, engraved, mounted on thick card, coloured by hand, brass screw at centre, decorative cartouches at corners, in a contemporary wooden box covered with marbled paper, the two together in a modern half morocco folding case. Jacob Bartsch married Kepler's daughter Susanna and was his father-in-law's assistant in his later years. The book was specifically published as a handbook to the planetarium, and the first plate was intended to be cut out and assembled; the instrument present here was printed from the same copper plate. Zinner, *Instrumente*, 1956, 244-5 (edition of 1624).

£1900

22 Bassendyne (James) Astronomique Discours, FIRST EDITION, device on title and last leaf, 175 woodcuts and woodcut diagrams, of which 14 have a total of 35 volvelles (see below), all the large woodcuts coloured in a contemporary hand, few minor stains, but a large and clean copy, eighteenth century Italian calf, worn, half morocco box, inscription of F. Tjettini on front pastedown, large folio, Lyons, J. de Tournes, 1557. An extremely impressive work, though partly a plagiarism of Apianus' great *Astronomicum Caesareum*, 1540 (see lot 115). Counting volvelles is always a risky business, nevertheless we think that an absolutely complete copy should have 38 rather than the 36 called for by the authorities. We should add that the Horblit copy had also 35 while the two Harvard copies have each 35. Excluding the very small 'button' at the centre which holds the volvelles together we think that a complete roster would be; pp. 102-4; 196-1; 202-2; 205-3; 207-1; 209-3 (H. copy had 2); 212-4; 214-4; 216-4 (this copy has only one); 219-3; 221-4; 230-1; 242-1; 278-3 (H. copy had 1). Harvard 47; Horblit lot 89.

£2600

23 Bayer (Joannis) Uranometria, FIRST EDITION, engraved title (rubbed, inner margin guarded slightly affecting text), three leaves of prelims, 51 double engraved star maps (now bound unfolded, though they were once bound as a folio), by Alexander Mair, minor defects to a few margins, modern boards, half morocco case, oblong 4to, Augsburg, C. Mangus, 1603. The first important star atlas; it was based on the star section of Tycho Brahe's *Astronomiae instauratae*, 1598, etc. but gave large clear illustrations and added Greek letters to the prominent stars, a nomenclature that is still current. Cf. Basil Brown, *Astronomical Atlases, Maps & Charts*, 1932, p. 19 seq.

£1200

24 Beer (Wilhelm) and J.H. Madler, Mappa Selenographica totam Lunae Hemisphaeram visibilem ... Editio Genuina, FIRST EDITION, lithographed map, on four sheets, each approx. 22½ ins by 26½ ins., very slight foxing, but generally in excellent state, in a portfolio, Berlin, ex Autographo in Lapide incidit Carolus Vogel, apud Simon Schropp & Soc., 1834. 'This map ... constitutes a milestone in the development of selenographical literature' DSB. 'In 1837 (sic) Beer and Madler gave to the world the results of seven years' study. Their book, *Der Mond*, and its chart 'Mappa Selenographica' contained an almost unbelievable amount of information ... they named nearly 150 new formations, using principally the names of prominent scientists' – Baldwin, *The Face of the Moon*, 1949, 8-9; Pannekoek, *History of Astronomy*, 1961, 372-3.

£800

25 Benese (Richard) The Boke of measuryng of Lande as well of Woodland as Plowland, & pasture in the feelede; & to compt the true nombre of Acres of the same. Newly corrected, fourth edition, black letter, title within woodcut border [McKerrow & Ferguson 70], woodcut on A6v diagrams in text, a few corners repaired, green straight-grained morocco, gilt, g.e., by W. Pratt for F.S. Ellis, bookplate of E.R. Debenham, sm. 8vo. Thomas Colwell, [c. 1565]. The second English book on surveying. Both the author and his editor Thomas Paynell were canons of Merton Priory in Surrey. For a description of the work, see A.W. Richeson, *English Land Measuring to 1800*, 1966, pp. 35-42. STC² 1876.

£1200

26 [Bevis (John) Uranographia Britannica], engraved frontispiece showing Frederick Prince of Wales dressed as Caesar accepting a copy of the atlas from Urania, 51 engraved star charts, frontispiece soiled and with repairs to lower margin, short tear in plate I, slight marginal staining, no leaf of index, modern boards, upper cover loose, oblong folio. [John Neale, 1750]. EXTREMELY RARE. Of the original atlas only a few proofs or complimentary copies were issued, the publisher going bankrupt because of the high cost of the engravings. The plates passed to the creditors and were later probably used for the *Atlas Celeste*, 1786, itself a very rare work. The *Uranographia Britannica* was based on Bayer's *Uranometria*, but includes about 5 times as many stars, with Bayer's positions corrected. The last two plates represent the northern and southern hemispheres. For Brevius's discovery of the Crab Nebula, see N. V. Mayall, *The Story of the Crab Nebula*, Science, vol. 137, no. 3524, 1962, p. 91 seq. Brown, *Astronomical Atlases, Maps & Charts*, pp. 51-52, 57-58.

£3000

27 Blagrove (John) The Mathematical Jewel, shewing the making and most excellent use of a singular Instrument so called, FIRST EDITION, woodcut of the instrument on title, leaf with 2 large woodcuts at p. 16, double-page table of fixed stars at p. 24 woodcut diagrams in text, some early marginal manuscript notes, last leaf defective with some textual loss, preceding leaf damaged at head, title frayed in upper fore-margin, slight damp-staining and soiling, eighteenth century calf-backed boards, worn, name Thomas Datson written on last page, the Castle Howard-Kenney copy (sale in these rooms, 28 March 1966, lot 1490), folio. Imprinted at London by Walter Venge. [colophon: Thomas Dawson for Walter Venge]. [1585]. The Jewel was a new pattern of astrolabe which served for the arts of astronomy, cosmography, geography, topography, navigation, etc. It was commended by Gabriel Harvey, Mark Ridley and Thomas Blundeville but proved too elaborate for seamen. The woodcuts for the work were executed by the author, two of them being signed. STC 3119 (the date should appear in square brackets).

£1100

28 Bourne (William) A booke called the Treasure for traueilers ... containing very necessary matters, for all sortes of Trauailers, eyther by Sea or by Lande, FIRST EDITION, mostly black letter, woodcut arms on verso of title, woodcut illustrations and diagrams in text, with the blanks *** 4 and 3F4, very neat restorations to title and last three layers with portions in skilful pen facsimile, a few other small marginal repairs, last leaf slightly soiled, one headline shaved, dark blue morocco, gilt, g.e., by Riviere seventeenth century ownership inscription of Nathaniel Don on the first of the two blanks, sm. 4to. [Thomas Dawson] For Thomas Woodcocke, 1578. Contained the first popular explanation of surveying by triangulation and was the first English book to describe the volumes, capacities, and proportions of ships' hulls. It was also the first to describe the

sizes and weights of cordage, with rules for their computation and dealt with the currents of the ocean, and explained in popular language the value of mathematics to the seaman. See D. W. Waters, *The Art of Navigation in Elizabethan and early Stuart Times*, 1958, pp. 147-9. STC 3432.

£1900

29 Brahe (Tycho) De Mundi Aetherei recenterioribus Phaenominis Liber secundus, device on title and last leaf, numerous woodcuts in the text, Uranborg & Prague, [1588-9-1603; Epistolatum Astronomicarum, FIRST EDITION, device on last leaf, 6 woodcuts of Hven and the observatory, some browned, Uranborg, 1596, 2 vol. in one, several leaves just trimmed, 18th. Cent. German calf, gilt spine, inscription on first title of Wilhelm Rechner as professor at Vienna, 1601 (author of 'Astrolabium', 1611), 4to, 1. Collation: *-*-* A-MMM⁺Nnn². A elaborate study of the comet of 1577 with much historical detail. It was intended as part of a trilogy, the first part being the *Astronomiae instauratae Progymnasmatum*, however the two works are independent and were in fact originally published in reverse order. This edition consists mainly of sheets printed at Brahe's private press on Hven (and circulated only to a few correspondants) completed after the author's death under Kepler's direction. Houzeau & Lancaster 2699. II. Collation: *4 (C)⁴ :*(C)⁴*(*)4 A-Qq⁴. Publication of letters between Brahe, the Landgrave of Hesse, and his astronomer Christopher Rothman; other volumes, printing different correspondences were intended, but none appeared. Dreyer gives a full account and mentions a portrait and an appendix of eleven leaves with figures of instruments (only one copy seems to be extant); it was soon rendered superfluous by the *Astronomiae instauratae Mechanica*. Like most of Brahe's works this original Hven edition, printed at his private press on the island, is very rare indeed; the work is usually found in the re-issues of 1601 (Nuremberg) or 1610 (Frankfurt). Dreyer, *Tycho Brahe*, 228-30. Not in Houzeau & Lancaster; Dibner, *Heralds of Science*, 4.

£2600

30 Epistolatum Astronomicarum, FIRST EDITION, three issue, device on title and last leaf, 6 woodcuts of Hven and the observatory, modern vellum, half morocco case, 4to, [Uranborg] [1596]-Frankfort, G. Tampachius, 1610. A 'titelauflage' of the second item in the preceding lot.

£900

31 Astronomiae instauratae Mechanica, FIRST EDITION, title in red and black, printed throughout within border of typographical ornaments, 5 large engraved illustrations, 19 large and 7 smaller woodcuts, device on title and last leaf, strip cut from lower blank portion of title, boards, new calf spine, morocco box, large inscription 'F.V.C.T./B.H.Z.S./1683' on verso of title and obliterated library stamp (perhaps 'Herzoglicher/Sachsen/Meiningen/Bibliothek'). folio. Wandesbeck, 1598. Collation: :*(A⁶ B-E⁴ G-H⁶. An extraordinary book giving a full description of the Tycho's instruments and his observatory on Hven. He had left the island in 1597 and was temporarily camped at Count Heinrich Rantzow's castle of Wandesbeck near Hamburg. The *Astronomiae* was printed there by Philip de Ohr, from Hamburg, on Tycho's own presses which he had brought from Hven. This is the first book, and was for several centuries the last book, printed at Wandesbeck. It is printed on thick paper, perhaps also brought from Hven (the observatory equipment included a paper mill) and copies were intended for presentation only. There are four corrections in red ink v. G2-3, three of which were used in the second edition of 1601. Not in Adams; Houzeau & Lancaster 2703.

£16,000

32 Astronomiae instauratae Progymnasmatum, FIRST EDITION, device on title, text-woodcuts, old calf, rebounded, some marginalia in Latin in a neat and informed 17th. Cent. English hand (some trimmed), 18th. Cent. inscription c. Magdalen Hall, Oxford, 4to, Prague, 1602. Collation: (A⁶ B-O⁴ P-Q⁸ R¹⁰ Sili⁴ Kk-11⁸ Mm-Mmmmm⁴. Although many of the sheets were printed on Hven no edition was published until Kepler saw the work through the press after the author's death; he added an index and appendix. Most of the work consists of a very elaborate description of the new star of 1572 and the text of the 1573 book is reprinted together with much historical material, and a detailed star catalogue. James I and VI of Scotland visited the astronomer on his island in 1590; there is a lively account of the proceedings in Dreyer, pp. 202-5. The king later sent his host 2 latin epigrams, and provided him with the rather superfluous gift of a thirty year privilege for Scotland: both of these offerings are printed here. Caspar, *Bibliographia Kepleriana*, 15; Houzeau & Lancaster 2700; Sparrow, *Milestones of Science*, 30.

£1600

33 Historia Coelestis, FIRST EDITION, xylographic title (duplicated), fine double engraved plate of the four Emperors: engraved plates of Brahe and of Hven, numerous woodcuts of instruments, library stamp and inscription cut from blank portions of first title, 18th. Cent. German calf, gilt spine, blue mottled edges, joints cracked, folio, Augsburg, Simon Utzschneider, 1666. Collation: *15**4 16**3 A-Yyy⁴ Zzz⁶ Aaaa-Hhhhhh⁶ (leaf left, blank, missing in this copy). First edition of Brahe's vast astronomical observations. They were much used by Kepler for the Rudolphine Tables, but remained unpublished until a jesuit called Albert Curtz edited them under the anagrammatic pseudonym of Lucius Barretus. Unfortunately he was careless and also chose an incomplete and secondary manuscript copy 'presented in so mutilated and distorted a shape as to be well-nigh useless ... scarcely a column which is not full of errors ...'. In short the work is not far from being an Augean stable' – Dreyer, 373. However despite various good intentions and even 68 pages printed in Paris circa 1680 no other edition has ever appeared.

£1200

TOTAL MAPS AND ATLASES £60,850 (21 lots)

HARTUNG & KARL, MÜNCHEN, 14-16 NOVEMBER, 1978 (PREMIUM 15%)

34 Münster, S. Cosmographiae universalis lib. VI. Basel, Petri, 1552. Fol. 12 Bl., 14 dpblgr. Holzschn.-Ktn., 1174 (falsch 1162) SS., 1 Bl. mit Titbord., Holzschn.-Portr. d. Verf., 925 (39)

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dpblgr. bzw. gef.) Holzschn. u. Druckerm. Holzdeckelbld. d. Zt. mit blindgepr. Schweinsdrbz. u. 2 Schl. (IW 154). Burmeister 88. Mit mehrf. gef. Ansichten v. Heidelberg, Wien u. Worms u. dpblgr. Ansichten v. Augsburg, Baden/Schw., Basel, Bern, Chur, Colmar, Erfurt, Frankfurt/M., Freiburg/Br., Freising, Fulda, Gent, Koblenz, Köln, Lindau, Lübeck, Nördlingen, Solothurn, Speyer, Venedig, Weissenburg, Würzburg u. a. sowie dpblgr. Karten v. Welt, Afrika, Amerika, Asien, Europa, Böhmen, Deutschland, Schwaben u. Bayern, d. Schweiz u. a. Anfangs leicht wurmt. Wenige Bl. sowie 2 der gef. Ansichten etwas knitterfaltig. Le. Bl. mit kl. Loch. Davon abgeheben sehr schönes, vollständiges, kaum fleckiges Expl. Der attraktive zeitigen. Prageband etwas bestoßen u. fleckig.

DM 19,000

35 Schedel, H. Liber chronicarum. Nbg., Koberger, 1493. Gr.-Fol. 20 un., 298 (st. 299) num., 6 un. Bll. mit ca. 1800 Holzschn. von W. Wohlgemut u. W. Pleydenwurff u. 30 Initialen in Rot u. Blau. Hain Cop. 14508; BMC II, 437; Goff S. 307; Schreiber 5205. - Erste latein. Ausgabe, ersch. ca. 1/2 Jahr vor d. dt. Erstausg. - Komplettes Expl. bis auf das weiße Bl. CCLX und d. le. w. LBl. nach d. Anhang „De Sarmacia“, welcher hier zwischen die weißen Bl. CCLIII und CCLXI gebunden ist. Am Schlus die gr. Karte von Mittel- u. Nord-europa mit Skandinavien, Island und „Grönland“ als Landbrücke zwischen Lappland und Rußland mit hinterl. Fehlstellen am Bug, gebraunt u. mit Knitterfalten, wie auch die ersten beiden Registerblätter. Register u. Text bis Bl. 48, vereinzelt auch die darauffolgenden Bl. bis z. Schluß am unteren Innenrand hinterlegt, meist ohne Verlust d. Textes od. d. Darst. Ca. 15 Bll. mit kl. hinterl. Fehlstellen p. Einriß. Bl. 148 mit Loch im unt. w. Rand Bl. 198/99 etw. mit roter Kreide verschmiert. Einige alte Randbemerkungen, stellenw. fingerfl. bzw. wasserrandig, vereinz. Tintenflecken. Im allg. ansprechendes Expl.

DM 26,000

36 Blaeu, W. u. J. Theatrum orbis terrarum sive atlas novus. Pars IV. Amst., J. Blaeu, 1645. Gr.-Fol. Kolor. goldgehöhter Kupftit., 4 Bll., 460 SS., 5 Bll., 60 (st. 58, 59 dpblgr.) kolor Kupftkn. Ogr. mit Rücken- u. Deckelverg., zisel. Goldschm. Koeman Bl. 43 A. - Erste latein. Ausgabe des 4. Teils, enth. 58 Karten (Großbritannien, histor. Ktn. v. England und Schottland mit 14 Randdarstellungen engl. Könige von 456 bis 662, England und 55 Regionalktn. engl. Grafschaften u. Inseln). Am Schlus sind aus dem Suppl. zur 2. lat. Ausg. d. 3. Tls. v. 1640 (Bl. 36 B) die Textbl. 6-9 mit den Ktn. Schottland [108] und Irland [109] angebunden, ähnlich wie im Expl. der Libr. of Congr. (Tit-Nr. 5939). Die Karten meist mit figürl. Kartuschen und Wappendarst. in schönem Altkolorit. - Durchgehend sauberes und sehr gut erhaltenes Expl. Einbd. angeschmutzt. Bindebänder fehlen, Schnitt oben und seittl. fleckig. Kupftit. gestemp. u. mit gelöschten Besitzverm. im ob. w. Rand.

DM 16,000

37 Bodenehr, G. Atlas curieux oder Neuer u. Compendiöser Atlas. Augsburg, Bodenehr, ca. 1740. 4. Dpblgr. gest. Tit., 1 Bl. Inhalt, 103 grenzkolor., meist dpblgr. Kupftktn., 3 gef. gest. Tab., Biegsmal Ldr. d. Zt. mit übergr. seittl. Lasche, 2 Bindebänder. Darunter Welt- u. Erdteilkarten, sowie Karten v. europäischen Ländern, besonders v. Deutschland; außerdem mit einer nicht im Verzeichnis aufgeführten Karte von Rußland. - Samtl. Karten fast fleckenlos u. gut erhalten. Einbd. etw. fleckig.

DM 4600

38 Homann Erben, Atlas v. Deutschland. Nbg., Homann Erben, 1753. Gr.-Fol. Titelpuffer, 16 SS., 2 Bll., 1 gest. Bl. Inhalt, 26 (st. 29) kolor. dpblgr. Kupftafel, Biegsmal Ldr. d. Zt., 2 Bindebänder. Enth. 2 Ktn. v. Deutschland (1 Postkarte), ferner Ktn. v. Nieder-Rhein, d. Kurfürstentümer Mainz, Trier, Köln, sowie Württemberg (Nr 190). Bayern u. v. a. Teils in kräftigen Abdrucken, teils etw. flau im Druck. Es fehlen die Ktn. v. Österreich, d. Oberrheinischer Kreis u. d. Grafschaft Hanau. Wenige Ktn. mit kl. Ausbesserungen, vereinzelt im Bug schmale Leimspur. Titkupf. u. Inhaltsverz. dat. 1762.

DM 4200

39 Ortelius, A. Theatrum oder Schaubuch des Erdkreises. Antwerpen, Plantin f. Ortelius, 1580. Fol. 6 Bll. mit kolor. allegor. Kupftit. u. kolor. gest. Portrait, 93 kolor. u. in zartem Gold gehöhte dpblgr. Kupftktn., 3 Bll. Ldr. um 1800. Koeman III, Ort 16 A. - Dritte deutsche Ausgabe des bedeutendsten Atlaswerkes des 16. Jhds., nach dessen Vorbild die späteren holland. Atlanten lange Zeit konzipiert wurden. Enthält die 70 Ktn. d. 3. lat. Ausg. v. 1573 u. das Additament II mit 23 Ktn. v. 1579 (teils dat.) in deutscher Ausg., von dem Koeman nur die lat. Ausg. kennt. Das Additament ist in d. Zählung d. Ktn. schon berücksichtigt, die Ktn. d. Additament tragen jedoch noch die alten Zahlen/Buchstaben-Signaturen, die anzeigen, an welcher Stelle d. alten Ausgabe sie eingefügt werden sollten. Die Collation d. Ktn. wie bei Ort 15 A. Der Kupftit. mit allegor. Darst. d. 4 damals bekannten Erdteile (abgeb. bei Koeman III, Abb. 7), das Portrait v. Ortelius u. die Ktn. in schönem, präzisem Altkolorit und sämtlich ein wenig mit Gold gehöht. Enth. im einzelnen: Weltk., 4 Erdteilktn., Mittelamerika, Westind. Ins., Großbritannien, Schottland, England, Wales, Irland, Spanien, Portugal, Andalusien, Frankr. (1 Gesamt- u. 8 Regionalktn.), Benelux (11), Deutschland, westdt. Gebietsktn. (10), Österr. (1 Gesamt- u. 3 Regionalktn.), Schweiz, Italien (1 Gesamt- u. 10 Regionalktn.), Mittelmeereinseln (3), Danemark, Nordeuropa, Südosteuropa (6), Ostdeutschl. u. Osteuropa (9), Asien (6), Afrika (2), u. 3 histor. Ktn. Die Karten teilw. am Bug etw. brüchig u. dort im Zuge der Bindearbeiten um 1800 hinterlegt. 5 der größeren Ktn. (10, 14, 29, 52, 58) bis in d. Randbördure beschn. Kt. 75 (Kärnten) im Bug durch Auflösen von Klebstellen etwas beschädigt. Die letzten 4 Ktn. etw. wellig, le. Kte. mit Knickfalten u. kl. hinterl. Einriß. Sehr sauberes u. wohlherhaltenes Expl. dieses schönsten Atlaswerkes, das in der deutschen Ausg. wesentl. seltener ist, als mit d. latein. Originaltext.

DM 36,000

40 Sammelband mit 51 dpblgr. Kupferstichktn. v. Seutter (34), Lotter (3) u. Homann (14). Ausg. v. Nbg. 18. Jhdt. Gr.-Fol. Hldr. Enthält Weltk., Afrika, Asien, Europa, Deutschland, Niedersachsen (2), Pommern, Brandenburg, Ostpreußen, Schlesien, Böhmen u. Mähren, Sachsen (3), Franken, Bayern (4), Salzburg, Österreich (2), Rheinland (2) Elsaß, Frankreich, Schweiz (2), Italien (4), Spanien, Portugal, England, Polen (2), Rußland (2), Griechenland (2), Balkan (2), Türkei u. vord. Orient (3), New York u. Umgeb. (mit Ansicht v. N.Y.). u. v.

54

Kanada. - Fast alle Karten mit schönen figürl. Kartuschen. - Meist unterlegt, bzw. Ränder angelegt, einige mit Knickspuren; etwas fleckig, die Weltkarte u. eine v. Bayern stärker fleckig u. knitterig. Karte v. Pommern u. d. Peloponnes beschnitten, 15 Karten lose.

DM 9800

41 Seutter, M. Atlas Germanicus, Augsburg ca. 1720. Samme band mit 83 dpblgr. kolor. bzw. grenzkolor. Kupferstichktn. u. 2 mehrf. gef. Taf. Ldr. in Schuber mit Lederband. Enthält: Europa, Deutschland (2), deutsche Länder (41), darunter die 9teilige Kartenfolge v. Schwaben, entworfen v. Jacques Michal u. eine Randansicht von Paderborn, Beneluxländer (6), Österreich mit Böhmen u. Mähren (9), darunter ein Plan u. Ansicht v. Wien, Randansichten v. Brünn, Karlsbad, Klagenfurt, außerdem 2 Neudrucke v. Prag u. Linz v. Probst, Balkan mit Griechenland (7), Schwarzes Meer (2), Polen u. Litauen (2), Baltikum, Ukraine, Rußland (2), Skandinavien (3), Großbritannien u. Irland (3). Die Karten am Rand, besonders an unterer Ecke sorgfältig ergänzt bzw. ausgebessert, dabei Plattenrand kaum berührt, 2 Karten ganz unterlegt. Karte v. Hessen u. Kärnten mit größeren Ausbesserungen u. mit minimalem Bildverlust. Alle Karten sauber u. in schönem Kolort u. verhältnismäßig breitrandig. - Mit gest. Exlibris d. Generals Pierre-Emé-Guiffrey de Monteynard. (Vgl. Guggard II, 365).

DM 22,500

42 Bertius, B. Commentariorum rerum Germanicarum libri III, Amsterdam, Janssonius, 1616. Qu. 4. Kupftit., Wappenkupf. 4 Bll., 732 SS. mit 26 (20 blgr.) Kupfkarten u. 101 blgr. gest. Ansichten. Pgt. d. Zt., Rücken u. Deckel mit Goldprsg. (verbl.). In dem gesuchten Ansichtenwerk sind fast alle wichtigen Städte Deutschlands u. des alten deutschen Sprachgebietes in vorzüglichen Gesamtansichten dargestellt. - Tit. mit zeitigen. Besitzverm. u. Monogramstempel. Schönes u. fast fleckenloses Expl. Einbd. etw. fleckig u. mit kl. Wurmspur, hint. Deckel am seittl. Rand minimal benagt.

DM 19,000

43 Bodenehr, G. Force d'Europe, oder die Merckwürdigst- u. Furnehmste ... Staette, Vestungen ... Camps de Bataille in Europa ... in 200. Grundrissen. Augsburg, Bodenehr, ca. 1725. Kl.-Qu.-Fol. Kupftit., 1 gest. Bl. Vorrede, 1 gest. Inhalt, 179 (st. 200) teils gef. Kupftaf. v. Joh. Stridbeck. Hldr. d. Zt. Biller, S. 42in Textbd. (= Tl. II) zu J. Stridbeck d. J., hrsg. v. K. Spengler, ersch. b. Bruckmann. Enthält in alphabetischer Reihenfolge Ans. d. Vogelschau u. Pläne, darunter zahlr. Schweizer. Unter den deutschen Augsburg (4), Berlin (2), Bremen, Köln, Frankfurt/M., Hamburg, Ingolstadt, München, Nürnberg (2), Regensburg, Stuttgart, Ulm, u. v. a. Es fehlen Taf. Nr. 3, 14, 17, 27, 34, 42, 75, 76, 90, 102, 105, 109, 126, 135, 137, 163, 167, 175-177, 196, dabei die wichtigsten: Bregenz, Lindau, Straubing. Die Kupfer in meist kräftigen Abdrucken, wohlherhalten. 1 Taf. in d. Legende mit kl. Ausbesserung, vereinzelt am äußeren Rd. leicht fleckig, gegen Ende in ob. re. Ecke kl. Wurmlöcher bzw. -gänge. Dem Kupftit. vorgeb. sind 2 nicht num. Taf. „Plan de Vienne, Plan du siege de Bude“. 1. Zeile d. Kupftit. ankolor. Einbd. mit Gebrauchsspuren.

DM 11,000

44 Cook, J. Voyages, 12 (st. 13) Bde. u. 1 Atlasbd. Paris, Saillant & Nyon u. Panckoucke, Hôtel de Thou, 1774-85. 4. Mit 203 (st. 206) meist dpblgr. bzw. mehrf. gefalt. Kupftaf. u. Karten, 1 gest. Portr. u. 2 Tabellen, Marmor. Ldr. d. Zt. auf 5 Bänden mit 2 Esch., reicher floraler Rverg. u. goldgepr. Außen- u. Stehantennentafeln, marmor. Vors. Brunet II, 254f. - I. Hawkesworth, J. Relation des voyages entrepris par ordre de sa majesté Britannique, ... pour faire des découvertes dans l'hémisphère méridional" Trad. de l'anglais (par Suard). 4 Bde. 1774. Mit 18 Ktn. u. 33 (st. 34) Kupftaf. Sabin 30946. - In Bd. 1 fehlt Taf. 15. In Bd. 2 fehlt d. le. Bl. mit d. Druckverm., Vortit. mit Ausschn. d. d. unt. Ecke; „Explication des cartes“ beschn. u. möglicherw. aus e. d. unt. Expl. erg. 2 Textbl. mit hinterl. Einriß bzw. anges. Ecke; 3 Ktn. m. hinterl. Einriß. - II. Cook, J. Voyage dans l'hémisphère austral et autour du monde, fait ... en 1772-75. Trad. de l'anglais (par Suard). 5 Bde. (Bd. 5: Forster. Observations faites, pendant le second voyage de M. Cook.), 1778. Mit Portr., 6 (st. 7) Ktn., 59 Kupftaf. u. 1 mehrf. Tabelle d. Eingeborensprachen (in Bd. 5; mit kl. Einriß). Sabin 16249; Nat. Marit. Mus. I, 580; Fiedler 38, 17. In Bd. 1 fehlt Karte 2 (Hemisphere Austral). Bd. 5 mit etw. abweichender Rverg. III. Cook, J. Troisième voyage ... ou voyage à l'Océan Pacifique. Trad. de l'anglais par Demeunier. Bde. 2-4 (st. 4) u. Atlas. 1785. Mit 19 (st. 20) Ktn., 68 Kupftaf. u. 1 mehrf. gefalt. Tabelle (in Bd. 4). Sabin 16261; Nederl. Histor. Scheepv. Mus. I, 138. Es fehlt Kte. 1 (Toutes les découvertes du Cap. Cook). Einige Ktn. u. Taf. a. d. Randern geringfügig knitterfältig. - Die erste u. d. zweite Reise liegen hier in erster franzö. Ausg. vor, d. Reisen sind außerst selten. Unserem Expl. fehlen lediglich 1 Tafel, 2 Karten, 1 Blatt ohne Text und der 1. Textband zur 3. Reise (ohne Tafeln). Die von Kippis verf. Biographie Cooks ist d. Reihe manchmal als 14. Bd. beigegeben, gehört aber nicht notwendigerweise dazu. Sehr gut erhaltene, fast fleckenlose Reihe in dekorativen, annähernd uniformen Einbänden mit nur geringen Gebrauchsspuren.

DM 6500

45 Merian, - (Zeiller, M.). Topographia Galliae, Oder Beschreibung und Contrafaltung der vornehmsten ... Oerter, in ... Frankreich. 13 Tle. in 2 Bden. Ffm., C. Merian, 1655-61. Fol. Mit Kupftit., 18 Kupferkarten u. 302 (st. 311) meist dpblgr., teils mehrf. gefalt. Kupftaf. Hldr. d. Zt. Wüthrich 77; Sch. 71. Zweite Ausgabe. - Es fehlen in Tl. 1 5 Kupfer v. Paris (vorh. sind die 2 Ans. aus der Vogelschau). In Tl. 2 u. 5 je 1 Kupfer, in Tl. 9 2 Kupfer zufolge Koll. bei Wüthrich. Möglicherweise schwankt aber die Anzahl der Kupfer in den Expl. - Kupftit. beschnidigt u. unterlegt, stellenw. mit kleineren defekten oder gebräunt, im allg. wohlherhalten. Einbde. stärker beschnidigt. Goed. VI, 150, 19; Lipperich. L. 7; Sabin IX, 38284; Schmid, Chamisso als Naturforscher 27. - Ausg. Nr. 1 „auf Druckpapier mit nur etlichen color. Kupfern“; es liegen jedoch alle Kupfer wie bei den Velin-Ausgaben 2 u. 3 in schönem Kolorit vor. - Die vorliegende, deutsche Ausg. des berühmten Reiserwerkes ist die an aufwendigsten u. schönsten gedruckte; die schönsten Tafeln v. Ermer u. Skerl zeigen Kostüme, Interieurs, Landschaften, Schmetterlinge (11 Taf.) u. sind sorgfältig koloriert. Bd. 3 enth. d. »Bemerkungen u. Ansichten« v. A.v.

Chamisso, der mit Eschscholz unter Kotzebue Führung a. Naturforscher an dieser 2. russischen Weltumsegelung teilnahm. Ziel der Reise war es, d. nordöstl. Durchfahrt in d. Nähe d. Beringsstrasse zu suchen. - Wenig fleckig, meist am Rand, d. Tafeln mit gelöschtem Stempel. Tit. mit Datums-Stempel. Etw. bereiben.

DM 3300

46 Merian, M. Topographia Italiae, Das ist: Warhafte u. Curiose Beschreibung Von gantz Italien. - Anhang ... More. Ffm., Merian, 1688. Kupftit., 2 Bll., 160 SS., 6 Bll. Reg. I. Kupferkarten, 36 (st. 42) + 3 meist dpblgr. Kupftaf. - I. Boissard, J.J. Topographia urbis Romae, Das ist: Eigenti. Besch. d. Stadt Rom. Dt. ... durch D. de Bry Ebenda 1681. 2 Bll. 74 SS., 91 (st. 101) Kupftaf. - Fol. Pp. I. Wüthrich 83; Sch. 100B. - Zweite Ausgabe. Zufolge Kupferverz. fehlen: Campo Vaccin., 10 Capitolium Romanum. 11. Castellum u. Angel. Rom. 40.41 Stadt Rom 2 Kupf. 42 Scylla und Charybdis. 53. Berg Vesuvius. II. Wüthrich 81 - Durchwegs fast fleckenlos und sehr breitrandig.

DM 4300

47 Kotzebue, O.v. Entdeckungs-Reise in d. Süd-See u. nach d. Berings-Strasse z. Erforschung e. nordöstl. Durchfahrts. Untern. 1815-18 auf Kosten ... des ... Grafen Rumanzoff auf d. Schiffe Rurick. 3 Tle. in 1 Bd. Weimar, Hoffmann, 1821. Gr.-Fol. Mit 6 (5 gef.) gest. Karten, 20 (4 dpblgr., 19 kolor.) Aquatintataf. u. 2 gef. Tab. Hldr. d. Zt.

DM 3500

48 Merian, - (Zeiller, M.). Topographia Westphaliae, Das ist: Beschreibung der ... Staette ... im Westphälischen Craiße. Ffm. (1647). Fol. Mit gest. Tit., 1 dpblgr. Kupferstichktn. u. 51 Kupftaf. mit 86 Ansichten. Wilddr. Wüthrich 35; Sch. 49 A. Erste Ausgabe. Schöne, kräftige Abdrucke. Zwei Textbl. u. eine Taf. an der Langseite ca. 1,5 cm angändert. Rechte oben Ecke im w. Rand fast durchgehend mit kl. braunem Fleck.

DM 20,000

49 - Topographia superioris Saxoniae ... Das ist Besch. d. Stätt und Platz in Churfürstenthum Sachsen, Thüringen, Meissen, Ober vnd Nider Laußnitz ... Ffm. Merian, 1650. Kupftit., 5 Kupferkarten, 61 meist dpblgr., teils mehrf. gefalt. Kupftaf., SS. 3 196, 6 Bll. Reg. II. Ders. Topographia Saxoniae Inferioris. Das ist Beschreibung der Vornehmsten Stätte vnd Platz in dem Nider Sachß. Crayß. Ebenda 1655. Kupftit., 3 Kupferkarten, 36 (meist 38) meist dpblgr., teils mehrf. gefalt. Kupftaf., SS. 3-242. 3 Bll. Reg. Fol. Ldr. d. Zt. mit Rverg. I. Wüthrich 53; Sch. 59 B. - Zweite Ausgabe kurz nach 1690. Ans. Altenburg mit Riß im Bug. Riße in d. ger. Rafael Lauf des Elbstroms mit Tesafilm geklebt. Einzelne kleinere Einriße. II. Wüthrich 57; Sch. 51 A. Erste Ausgabe. Es fehlt Magdeburg-Trebnitz sowie der Plan von Bützow. Vo. unbed. Einrißen und einem im weißen Oberrand ab ca. S. 20 abgehehen, schönes, breitrandiges Expl.

DM 11,000

50 - Topographia vnd Eigentliche Beschreibung Der Vornehmsten Stätte, Schlösser auch anderer Plätze vnd Örter in denen Herzogthümern Braunschweig vnd Lüneburg. Ffm. Merians Erben. 1654. Fol. Kupftit., SS. 3-220, 4 Bll. Reg. I. dpblgr. Stammtaf., 3 Kupferkarten u. 130 (st. 132), meist gefalt., teils mehrfach gefalt. Kupftaf. Pp. Wüthrich 61; Sch. 55b. - Zweite Ausgabe, wahrscheinlich 1658 erschienen. Vorzüglich erhalten und breitrandig. Es fehlen 2 Kupf. u. Eisenhütten zu Rubeland, Oesterode.

DM 19,000

51 Meyer's Universum. Bde. 3, 4, 6, 7, 12, 13, 15-18. Z. 10 Bde. Mit 9 (st. 10) gest. Tit. u. 477 Stahlstichtaf. Hlwd. M. Ansichten u. a. von Antwerpen, Augsburg, Bacharach, B. Brückenau, Baden-B., (3), Bamberg, Basel, Berchtesgaden, Bern, (3), Bodensee, Bonn, Brüssel (2), Chiemeise, Danzig, Darmstadt, Dresden, Düsseldorf, Emden, Erfurt, Esslingen, Frankfurt/Main (3), Freiburg i. Br., Fribourg, Friedrichshafen, Fulda, Genf, Hamburg, Bad Homburg v. d. H., Ingolstadt, Innsbruck, Karlsruhe, Bad Kissingen (2), Köln (2), Konstanz, Landsbut, Landau, Linz, Leipzig (2), Ludwigsburg, Luzern, Madrid (2), München (10), New York (2), Nürnberg, St. Petersburg (3), Rom (3), Rostock, Salzburg (3), Speyer, Stockholm, Straßburg, Tergensee, Venedig (2), Washington, Weimar (2), Würzburg. Etwas stockfleckig.

DM 3600

52 - Bde. 2, 3, 5-7, 9-12, 14-16, 18 in 12 Bdn. Verschr. Aufl. Mit 9 gest. Tit. u. 580 (st. 620) Stahlst.-Taf. Hlwd. d. Zt. (unterschiedl. gebd.) Zahlr. Taf. tadellosh sauber u. frisch, in Tl. 2 auf bläulichem Papier. - Es fehlen: zu Tl. 7 d. typogr. Tit. u. SS. 1-6; Tl. 10, SS. 75-116 u. d. dazugehörigen 16 Taf. darunter Hildesheim: Tl. 12, SS. 1-21 mit d. dazugehörigen Taf., darunter Basel: Tl. 14, SS. 171-190 u. 4 Taf., darunter Heilbronn: Tl. 15 T. Taf. Tl. 16 ohne Tit. u. SS. 1-32, 35/36 161-180 sowie 14 Taf. Tit. u. Tl. 5 leicht ankolor., einige Taf. mit Krizeleien, viele fleckig. Beiliegend; 2 nicht zu bestimmende incp. Tle. der Reihe in 1 Bd. mit 45 Stahlst.-Taf., darunter Regensburg (2), Passau, Berchtesgaden, Innsbruck, München (2) u. a. Ebenso gebd. wie oben. Alle Einbde. bestoßen.

DM 4100

53 Merian, - (Zeiller, M.). Topographia Superioris Saxoniae, Thüringia, Misniae, Lusatie etc. Das ist Besch. d. Vornehmsten vnd Bekantesten Stätt, vnd Platz, in ... Sachsen, Thüringien, Meissen, Ober vnd Nider Laußnitz ... Ffm., M. Merian, ca. 1690. Fol. Gest. Tit., SS. 3-196, 7 Bll., 5 gest. Ktn., 88 Ansichten auf 63 Kupftaf. Schweinsldr. d. Zt. mit Blindpr. Wü. 53; Sch. 59 B. - Zweite Ausg., die Kupfer meist in sehr guten Abdrucken. Vereinzelt gering knitterfältig u. im Bug leicht eingerissen. Die Taf. Altenburg-Pleiburg u. Weimar mit etwas Bild- bzw. Textverl. 1 Taf. aufgezogen. Sonst sehr gutes u. wenig fleckiges Expl. Buchblock durch herausgelösten Beiband gelockert.

DM 5000

54 - Zeiller, M. Topographia Franconiae, Das ist, Beschreibung Und Egentl. Contrafactur der Vornehmsten Stätte, Und Plätze des Frankenlandes. Ffm., Merian, (ca. 1720). Fol. Gest. Tit., 118 SS., 5 Bll., 1 Kupferkarte u. 43 Kupftaf. mit 48 Ans. Pp. Wüthrich 41; Sch. 44 D. - Sauber und breitrandig. Ansicht von Wertheim am Oberrand beschnidigt.

DM 16,000

TOTAL MAPS AND ATLASES DM 392,510 (142 lots)

CHRISTIE'S, LONDON, 15 NOVEMBER, 1978
(PREMIUM 10%)

[BLAEU (JAN)]: THEATRUM CIVITATUM NEC NON OMIRANDORUM NEAPOLIS ET SICILIAE REGNORUM, FIRST EDITION, 34 engraved views and plans, 24 double-page, folding, one single-page and 9 being smaller illustrations in the text (plates 1, 2 & 4 torn at fold, top edges of plate of Vesuvius torn and frayed, and a few minor tears at folds not affecting engraved area, occasional light brown staining), original gilt-gilt-velum, centre- and cornerpieces, gilt spine, g.e. (lacks spines, somewhat creased and soiled, fore-edge of upper cover slightly defective) [Koeman I, p. 338, BL 74], folio (541mm. x 8mm.) (Amsterdam, J. Blaeu, 1663).

£1200

DE WIT (FREDERICK): ATLAS, engraved title (damaged in the fore-margin and repaired) and 51 double-page maps, all coloured by a contemporary hand, another map of Hungary from a different edition and a folding map of Greece with 14 inset views, both by De Wit inserted (maps 20, 23, 26, 34 & 42 with short splits at folds, defect at fold of map 27 with slight loss of engraved area, tear in map 41), contemporary calf, gilt spine, gilt floral border round covers (rubbed, defect in spine) [cf. Koeman III, p. 195, Wit 7], folio (548mm. x 319mm.) (Amsterdam, 21680). This copy has the same number of maps, with the exception of the 2 inserted maps, as described by Koeman, Wit 7 although the map-titles differ slightly. The above copy does not possess the index leaf.

£5000

MAPS: A COLLECTION OF 77 MAPS AND A CHART, 2 manuscript, the remainder engraved, by Ottens, Seutter, Mann, Jaillot, De l'Isle, Nolin and others, mostly double-page, folding, 21 hand-coloured in outline, all mounted, mainly of Western Europe (approximately 10 damaged to a greater or lesser extent, many maps browned, some crudely coloured), nineteenth century calf-backed boards (worn, lacks spine), title [maps dated 1709-1816].

£950

[BLAEU (JAN)]: ATLAS MAIOR, SIVE COSMOGRAPHIA BLAVIANA, second edition, vol. I only (of 11), Latin text, 2 engraved frontispieces and 61 maps and plates including 5 plans & 9 plates of Tycho Brahe's astronomical instruments, most sps double-page (approximately 9 browned), 2 illustrations in text (general title creased), original gilt-pannelled vellum, gilt cornerpieces and central arabesques on covers enclosing Blaeu's title, spines pannelled in 8 compartments, g.e. (lacks ties) [Koeman I pp. 103-27, BL 56; Phillips 3430], folio, Amsterdam, Blaeu, 1665.

£3500

[BLAEU (JAN)]: [ATLAS MAYOR, SINO COSMOGRAPHIA BLAVIANA, en la qual exactamente se describe la tierra, el mar, y el cielo], 9 vols. only (of 10, lacks vol. IX, Latin), engraved titles in vols. I, II, IV, V, VI, VIII & X, painted colours and gold, all with printed overprints, printed titles in vols. III, IV, VIII & X (lacking in vol. I) 518 engraved maps, views and plates, all but a few double-page but 12 smaller in the text, including 13 illustrations in vol. I, mainly concerned with Tycho Brahe's astronomical instruments, views of Stonehenge and Avebury in vol. V, all FINELY COLOURED BY A CONTEMPORARY HAND, a few woodcut illustrations, guards throughout, index leaf at the end of each vol. occasional very minor defects, see below), contemporary red brocc, spine gilt in compartments. French fillet panel border covers with decorative cornerpieces within a further double-line border, g.e., remains of silk ties present (all vols. a little rubbed), folio (563mm. x 360mm.), Amsterdam, J. Blaeu, 58-69-59. (9). 'The rarest edition of Blaeu's Large Atlases', Koeman I, p. 271, BL 60A. CONTENTS: Vol. I. Northern Europe, 70 maps and plates, including 9 plates of Tycho Brahe's astronomical instruments (general map of Europe paired with sellotape, lacks the leaf of Blaeu to the reader). Vol. II. Northern and Eastern Europe and Greece, 29 maps, a few woodcuts (title and following leaf frayed at head margin, all piece torn from margin of foot of first map). Vol. III. Germany, 96 maps. Vol. IV. Netherlands, 2 parts in one vol., 63 maps (a few quires browned, slight upper marginal worming at the end). Vol. V. England, 58 maps, engraved and woodcut illustrations (map of Pembrokeshire uncoloured, a few upper margins lightly waterstained). Vol. VI. Scotland and Ireland, 55 maps ('Evia et Escia' torn and repaired, one or two maps browned). Vol. VII. France and Switzerland, 69 maps including French maps not called for by Koeman, 'Dioecesis Ebroicensis', 'Imitatis Rusconitis' & 'Episcopatus Albiensis', and without text on the verso. Vol. VIII. Italy, 61 maps (slight brown staining in the text). Vol. IX. Asia, 17 maps. With the exception the minor faults noted above a FINE SET.

£44,000

BRAUN (GEORG) and FRANZ HOGENBERG: CIVITATES ORBIS TERRARUM, vols. I-V only (of 6) in 2 vols., hand-coloured engraved titles and 304 ENGRAVED DOUBLE-GE VIEW (lacks only the folding plate of Antwerp in vol. IV), dedication leaf in each vol. (approximately 30 plates with tears defects to a varying degree, usually at central fold, several sps brittle, rust-hole in title of vol. IV, one plate torn across & repaired with sellotape, slight lower marginal worming in vol. IV, some light brown staining and waterstaining, a few trifling original defects), modern calf, gilt, folio, Cologne, 1599-1607-99. (2). Vol. VI was not published until 1618.

£25,000

VANDER MAELEN (PHILIPPE): ATLAS UNIVERSEL DE GEOGRAPHIE PHYSIQUE, STATISTIQUE ET MINÉRALE, SCUT, folio, Brussels, 1827. The collation of part I, Europe, does not exactly conform to Koeman III, p. 142, Vdm 1, but it can be explained by the fact that the atlas was produced in an extremely short amount of time, 5 weeks only between

each instalment. The work itself is generally considered to have been far ahead of its time, no other atlas having ever before been conceived or produced on such a large scale.

£1400

62 ORTELIUS (ABRAHAM): THEATRUM ORBIS TERRARUM, opus nunc ab ipso auctore recognitum, 3 parts in one vol., 2 engraved and one printed title, portrait of the author and 132 (of 134) double-page engraved maps, all hand-coloured except printed title (minor defects listed below), contemporary ownership mark and 19th century signature, both in ink, on title and minor marginal annotations in text, nineteenth century old style calf [Koeman Ort 27B], folio [Col. Antwerp in Officina Plantiniana, 1592] (printed title dated 1591), sold as an atlas, not subject to return. According to Koeman this is the most complete of all early Ortelius atlases. Generally in excellent condition and fine colouring, the two missing maps are 'Europa' and 'Abrahami Peregrinatio' (in the second part), corners of many leaves strengthened in margins not affecting any text, title slightly rubbed and stained, plate 78 'Perusini Agri' repaired with loss of print area of ca. 5cm., tears in 3 plates repaired without loss of print (31 Germania, 107 Presbiteri Johannis, 108 Barbaria); minor stains on 4 maps including a marginal damp stain in map 46 'Daniae'; slight loss of colouring in fold of 2 maps (81. Naples and 97 Northern Regions).

£23,000

63 CAMDEN (WILLIAM): BRITANNIA, OR A CHOROGRAPHICAL DESCRIPTION OF GREAT BRITAIN AND IRELAND, translated Edmund Gibson, second edition, 2 vols., portrait, 51 engraved folding maps, 10 engraved plates, engraved and woodcut illustrations in text, contemporary calf (joints and corners worn), folio, n.d. [1722] (2).

£900

64 SAINT-NON (Abbé R. DE): VOYAGE PITTORESQUE OU DESCRIPTION DES ROYAUMES DE NAPLES ET DE SICILE, 4 vols. in 5, engraved title-vignettes, 4 after Fragonard, engraved dedication leaf in vol. I (fore-margin discoloured), 13 maps, 8 double-page, plan of Valetta and 290 plates (one a mezzotint) including the 14 plates of medals and the unnumbered plate of phallus lamps, 140 two to a page, 88 vignettes and illustrations in the text including one full-page of Vesuvius, in addition 26 engraved illustrations of vases printed in red and black, numerous woodcut fleurons, half-titles (a few gathering misbound in vol. V and a few minor rust-stains in the same vol.), CONTEMPORARY FRENCH RED MOROCCO, gilt spines, gilt line borders round covers, inner gilt dentelles, g.e. (a few edges very slightly rubbed), Paris, 1781-86. (5). Cohen-de-Ricci 928-30, 'bei ouvrage'. This set has been collated against Brunet's detailed list and appears to be complete. However, owing to the variant numeration of the plates, it is, as usual, sold not subject to return.

£7200

TOTAL MAPS AND ATLASES £111,150 (16 lots)

CHRISTIE'S, NEW YORK, 17 NOVEMBER 1978
(PREMIUM 10%)

65 CATESBY, MARK. The Natural History of Carolina, Florida, and The Bahama Islands ... Revised by Mr. [George] Edwards, London: Printed for Benjamin White 1771, vols., large folio, 532 by 355mm., contemporary russet, decorative gilt borders, gilt arms of The Society of Writers to the Signet [Edinburgh] on sides, with shelf labels pasted onto verso of upper covers, g.e., rebaked, original backstrips laid down, inner joints strengthened, title of vol. I map guarded, some slight foxing and offsetting to plates, and a few dust-stains to blank margins. Third Edition, double-page hand-coloured engraved map, and 220 hand-colored engraved plates mostly by Catesby and signed with his monogram, two by C. D. Ehret, uncolored text vignette, complete with Appendix, 'Linnæan Names' leaves in both vols., 6pp. Index in vol. 2 titles and text in English and French, the text in parallel columns. Nissen 177; Casey A. Wood, p. 282; Fine Bird Books, p. 65. (2).

US \$20,000

TOTAL MAPS AND ATLASES US \$27,500 (21 lots)

STANLEY GIBBONS AUCTIONS, LONDON,
23 NOVEMBER 1978 (NO PREMIUM)

66 AFRICA. Pigafetta, F.: 'Africa' (c. 1595); an outstanding map of this much sought-after cartographer, covering the whole of the continent with the exception of the N.W. Coast. Decorated with two elaborate cartouches, sailing ships and sea monsters. Uncoloured and framed (engraved surface 625mm. x 425mm.).

£750

67 ATLASES. General Works. 'Ptolemy, Cl. Claudii Philelmaei Alexandrini Liber Geographiae Cum Tabulis et Universalis Figura et Cum Additione Locorum Quae a Recentioribus Reperta Sunt Diligenti Cura Emendata et Impressus' (c. 1511); Venice (Colophon): 'Ventius per Iacobum Pentium de leucho Anno domini MDXI'; this issue contains the double page cordiform (heart shaped) map of the World. The maps are printed in two colours, red and black, used here in one of the earliest examples of two-colour printing. Contains 28 double page woodcut maps on 30 leaves. Repairs and some slight water staining throughout. Cordiform map, fine. Bound in half-calf.

£6000

TOTAL MAPS AND ATLASES £26,375 (336 lots)

KARL & FABER, MÜNCHEN, 23-24 NOVEMBER 1978
(PREMIUM 15%)

68 AUGSBURG. Große Gesamtansicht. Kupferstich nach F. B. Werner. Augsburg. Jer. Wolff (Um 1730). Ca. 36,5: 101,5 cm. Vollrandige, schöne Vedute. Fleckig, mit kleinen Einriszen und Bugfalte.

DM 3600

TOTAL MAPS AND ATLASES DM 33,935 (110 lots)

AL van GENDT & CO, AMSTERDAM, 11-13 DECEMBER, 1978 (PREMIUM 16%)

69 ATLAS BLAEU, J., Toonneel der Steden van de Vereenighde Nederlanden, met hare Beschrijvingen. Toonneel der Steden van 's Konings Nederlanden, met hare Beschrijvingen. Amst., J. Blaeu, n.d. (1649). 2 vols. With armorial engr. title-borders & altogether 223 double- & single-page maps, town-plans & battle-grounds. Original gilt mottled calf, with central ornaments on sides, large folio. = Koeman BL 68h & 69h. Slightly improved version of the first edition. 'Of all the Blaeu atlases, the townbooks of the Netherlands are held in the highest esteem in the Netherlands. This is partly due to the fact that their composition is linked up with the struggle for independence from Spain of the Dutch Republic in the 17th century. Bound up, by sentiment, with the most dramatic and heroic period of the shaping of the Dutch State, it shows the proud and industrious cities of the North in their full splendour' (Koeman). In vol. I some slight marginal waterst., first map vol. II with sl. mark, waterst. Top of spine, joints & corners with slight repairs, innerhinge strengthened with cloth slips, but excellent impressions of the plates and ample margins.

Dfl. 60,000

70 BLAEU, J., Toonneel des aerdyx, oft nieuwe atlas. Tweede deels tweede stuck. Amst., J. Blaeu, 1650. With contemp. hand-col. engr. title, heightened with gold, 57 (of 58) for the greater part double-page engr. maps in fine contemp. hand-colouring & some text-engravings (3 of which also hand-col.). Orig. publisher's vellum with gilt central ornaments, cornerpieces & borders on both covers, edges gilt, large folio. = Cf. Koeman NL 45A & 46. In spite of what the (wrong) title, which has been printed on a slip & pasted in the proper space of the ill. title-page, says, the fourth vol. of the Dutch edition of Blaeu's Theatrum, being the description of Great Britain, in fact published in 1648 (cf. the introduction). Lacks pp. 99-100 with the map of Wales, unimportant marg. waterstains, a bit warped, spine & last pp. dam., but a reasonably good copy.

Dfl. 13,000

71 BIBLE - BIBEL, DEN, met grooter neersticheyt gecorrigeert en op die canten gheset den ouderdum der werelt ende hoe lange die geschiedenissen ende historien der Bibelen elck int jyn voor Christus ghebooree gheweest zyn/ende daer biver gaderet wt Fasciculat temporum ende wt dwe cronike va alder werelt/ die principael historie der machtigher heydenscher conincricke/daer heylige srafft oock dickwylt af vermaent/ tot een claerder verstant der Bibelscher historien/ ende oock een onderscheyt der tijden te hebben. (Antwerpen, Jac. van Liesvelt, 18 April 1535). With large woodcut border around the title cont. the printer's device & initials L.L., 1 folding woodcut map & num. woodcut initials & text-illustrations. 17th century blind-stamped calf over wooden boards with 1 (of 2) clasp, folio. Nijhoff-Kronenberg 408: 453 (of 454) leaves, the last leaf missing. Cf. Darlow & Moule 3284 (ed. of 1534). One of the earliest complete Dutch bibles, for the greater part based on Luther's German version. A finely illustrated bible. Some sl. defects to binding, title & last leaves rep., lower cover split, but an attractive copy.

Dfl. 4800

72 BIBLIA, dat is De gantsche H. Schrifture, des Ouden en des Nieuwen Testaments. Dordrecht, J & H Keur, 1756. 3 parts, 1 vol. With engr. title, 6 fold, or doublepage engr. maps by Nic. Visscher and 125 fine engr. plates by Philips, Tanjé & Fokke, each plate with 2 illustrations. Contemp. blindstamped russet over wood, with fine brass clasps & cornerpieces, folio. = A richly illustrated edition of the States-version of the Bible, cont. 75 plates in the Old & 50 plates in the New Testament. Top & foot of spine neatly repaired, rebaked & new fly-leaves, waterstain in title O.T., prelims. & first quires of the text, several plates in the New Testament misbound, in all a very attractive copy.

Dfl. 3400

TOTAL MAPS AND ATLASES Dfl. 93,700 (27 lots)

BONHAM'S, LONDON, 20 DECEMBER, 1978
(PREMIUM 10%)

73 THE ENGLISH PILOT: 29 double-page maps, some folding, including the North Sea, Scotland, Holland, the Baltic, Norway, Lapland, etc., folio, old calf (work, title lacking, a few maps slightly defective at folds), Mount & Page, circa. 1750

£1550

74 SCHI-DEL (Hartmann): LIBER CHRONICARUM WOODCUTS. SOME DOUBLE-PAGE AND A DOUBLE-PAGE WOODCUT MAP BY WOHLGEMUTH & PLEYDNIWURF. FIRST EDITION, 322 leaves including the 3 blank leaves and the 5 leaves of 'De Sarmacia' after the colophon, some woodcuts partially coloured by an early hand, folio, old calf (folios 6, 102 and 103 missing, a few lower margins worn and stained, sold with all faults and errors of description), Nuremberg, 1493 [Hain 14508]

£6500

TOTAL MAPS AND ATLASES £8640 (6 lots)

Directory of Dealers

UNITED STATES OF AMERICA

Continued from issue 2

Academus Book Shop
Haddon Hall Lobby South, North Carolina &
Beach, Atlantic City, New Jersey 08401
Tel: (609) 344-6000

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150 North Brook Street, Geneva
New York 14456

Alta California Bookstore
1407 Solano Avenue, Albany, California 94706

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5th Avenue & 34th Street, New York,
New York 10011
Tel: (212) 753-4455

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Tel: (614) 263-3013
Brasil, Portugal, Portuguese Africa

Sy Amkraut
35 Winding Wood Road North, Port Chester
New York, New York 10573

Richard T Anderson
137 North Main Street, Homer, New York 13077

Antiquarian Booksellers' Center
50 Rockefeller Plaza, New York, New York 10020
Books, Autographs, Prints, Maps

Antique Brokers
1716 Westheimer, Houston, Texas 77098
Tel: (713) 522-7415

Antique Gallery
702 North Midvale Blvd, Madison
Wisconsin 53705
Tel: (608) 238-6600
European Maps

Antique Maps and Prints
3583 Cosmos Street, Palm Beach
Florida 33410

Antique Scientific Instruments
4th & Severn Aves, Annapolis, Maryland 21403
Tel: (301) 267-7557 or 263-5037
Antique nautical instruments

Antiques Americana
P O Box 19, North Abington,
Massachusetts 02351

Apollo
391 South Road, Poughkeepsie, New York 12601

W GRAHAM ARADER III
1000 Boxwood Court, King of Prussia
Pennsylvania 19406
Tel: (215) 825-6570

Argonaut Book Shop
792 Sutter Street, San Francisco
California 94109
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Western Americana, early American exploration

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New York 10022
56

Ark-La-Tex Book Company
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Rhode Island 02911
Tel: (401) 353-1161

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Rockwell Gardiner
60 Mill Road, Stamford, Connecticut 06903
Tel: (203) 322-1129

Donald M Barton
2336 Magnolia Blvd West, Seattle
Washington 98199
Tel: (206) 285-4500

Don Baker Books
Don Baker
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J N Bartfield Books Inc
45 West 57th Street, New York, New York 10019
Tel: (212) 753-1830

Bayou Books
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1005 Monroe Street, Gretna, Louisiana 70053
Tel: (504) 368-1171

Carl J Begemann
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Florida 33156
Tel: (305) 666-8755

Dorothy Beil
P O Box 7045, Saint Petersburg, Florida 33734
Tel: (813) 862-5730

BENNETT & MARSHALL
George Allen
8214 Melrose Avenue, Los Angeles
California 90046
Tel: (213) 653-7040
Atlases and maps printed before 1800

Bernard Book Company
Bernard Zelanka
Box 272 Richmond Hill, New York 11418

Bickerstaff's Antique Maps & Prints
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5853 North 14th Street, Arlington
Virginia 22205

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708 W Wisconsin Avenue, Milwaukee
Wisconsin 53233
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Williamsburg, Virginia 23185
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60 W Walton Street, Chicago, Illinois 60610

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Massachusetts 02554
Nantucket maps

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Buxbaum Geographics
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P O Box 465, Wilmington, Delaware 19899
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*Mail order only. Only maps published by the
National Geographic Society 1888-1977*

Cape Cod Books
P O Box 376, South Wellfleet
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(To be continued)

The Directory of Dealers will be continued in forthcoming issues of the Map Collector. To make it as complete as possible, the Directory has been compiled from many varied sources. Also, each dealer has been asked to confirm details for the purposes of a listing. At the time going to press we had not received confirmations from some of the dealers listed in this issue. Nevertheless, their names have been included in cases where the evidence available to us suggests that the information shown is correct. If any dealers from countries dealt with in this issue are not listed, or if other readers know of such dealers, we should be grateful if they would let us know so that we can include them in the next issue. The publication of this Directory is solely to assist collectors in locating dealers. Any transactions with any of the dealers listed are entirely at their own risk.

A MAP OF SOMERSET SHIRE



Bickham, G: A Map of Somerset Shire
West from London. 1750-54.

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Collectors' Marketplace



Collectors and dealers are invited to advertise through these columns to a worldwide audience. Collectors' Marketplace is issued as a separate publication available on subscription by first class/airmail letter post. The annual subscription rate is £1 or (£2 outside the UK) which must be prepaid in pounds sterling. See below for details of advertising rates. All subscription and advertising enquiries should be addressed to the Advertising and Subscriptions Manager, The Map Collector, P.O. Box 53, Tring, Hertfordshire HP23 5BH, England. Telephone: Tring (044282) 4977.

FOR SALE

BLAEU, G. BERMUDA 1642. Original colour. Good condition. Offers. Box No. 201.

MAPS OF ASIA Ortelius 1580, Mercator 1595, Visscher 1650, De Wit 1660, Allard 1679, Senex 1719, Hondius 1637, Speed 1676, Schenk 1708, Mortier 1730, Blancardus 1720. Prices on application. Charles Stoddart, Geddes St, Balgowlah, NSW 2093, Australia.

PRIVATE COLLECTOR WILLING to part with Atlases: Camden 1695, World Wallis 1811, Blacks 1857, Fullarton Royal Illustrated, Johnston Royal 1863, Bevan Statistical 1882, Blackies Comprehensive 1883, Ogilby Facsimile (Duckham 1939). Offers Nox No. 200.

LARGE SELECTION EARLY maps, topographical prints. Suppliers to the trade and the collector. Large S.A.E. for catalogue. Ben Hardisty, 65 Bury Road, Gosport, Hampshire.

TO COMMEMORATE THE 150th Anniversary of Western Australia, 1829-1979, a Limited Numbered Edition of Brass Etched Maps depicting the South West Portion of Western Australia, c1831, are offered by a Western Australian Silversmith living in London. Each map measures 48cm x 39cm. Hogarth framed. The issue price is £62 each, VAT inclusive. They can be obtained from Glyn Lambert Marketing, 4 Evelyn Mansions, Carlisle Place, London SW1.

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ANTIQUE MAPS AND prints of British Isles and World for sale. SAE with requirements. Early atlases and books of engraved views bought. F. Hogan, 31 Tranmere Road, Edmonton, London N9 9EJ.

ANTIQUE MAPS - ILLUSTRATED catalogue No. XVI offering 800 items \$1.50, by air \$2.00. Antiquarian, Box 64, Osprey, FLA 33559, USA.

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cultural and artistic value conserved and **BOOKS BOUND BY** hand. Choice of 20 colours, lettered in gold. Manuscripts and maps repaired. C.E Gray, De Worde House, 283 Lonsdale Road, Barnes, London SW13 9QB.

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WANTED

MAPS, TOWN PLANS, road maps, sea charts and prints relating to Suffolk. East Anglia Maps and Prints, 17 Northgate Street, Bury St Edmunds, Suffolk. 1P33 1HP.

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FREYCINET CHART c1803, No. 21 of the Western Australian coastline required. Please contact Glyn Lambert, 4 Evelyn Mansions, Carlisle Place, London SW1 or Telephone 01-834 6579 evenings.

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CROATIA, DALMATIA, SLAVONIA maps wanted. Private collector Prof. D. Novak, Virchowstr. 4, D-6700, Ludwigshafen, Rhein, West Germany.

AMERICAN DEALER WANTS North American maps and views - purchase or trade for your area. Kathleen Manning. 1255 Post Suite 609, San Francisco, Ca 94109. (415-673-1900).

IRELAND. PLEASE OFFER any maps, charts, atlases, pre-1820, or ordnance survey sheets pre-1890; also prints or books of Irish interest. Neptune Gallery, 42 South William Street, Dublin.

G. BLAEU MAP of Africa, Grooten Atlas, private collector. Roger du Toit, 47 Colborne Street, Toronto, Canada M5E 1P8.

MAPS OF CARNIOLA. Alex Smid, Vignoli 42, 20146 Milano, Italy.

WILTSHIRE ANY MAPS considered but rare or unusual ones preferred. Meyer, Clive Cottage, Clive Road, Esher, Surrey. Telephone Esher 64478.

POLAND, LITHUANIA, UKRAINE, Silesia, East Prussia rare maps and views

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MAPS OF KANTON Schaffhausen (Northern Switzerland) particularly those by Heinrich Peyer/Felix Meyer 1685 and Chr. Fembo Nürnberg 1813. Hans P. Rohr, Box 468, CH-8201 Schaffhausen, Switzerland.

MAPS OF CANADA, Western Hemisphere, North America, pre-1860. Write with details to The Mappery, Box 113, Ancaster, Ontario. L9G 3L3 Canada.

NOVA SCOTIAN VIEWS or charts of Halifax from DesBarres Atlantic Neptune, Thomas Jeffreys 'New Map of Nova Scotia ... relating to the Harbour of Chebucto (now Halifax)' 1750. G. Garlock, 6146 Linden Street, Halifax, Nova Scotia, Canada. B3H 2K8.

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CANADA AND N & S America: pre-1860 maps, prints and documents. The Map Room, 18 Birch Ave., Toronto, M4V 1C8, Canada.

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A selection of items from our current catalogue which is now available free on request.

MAPPE-MONDE GEO-HYDROGRAPHIQUE, ou description generale du globe terrestre et aquatique en deux plans - hemispheres ... par le Sr Sanson 1719. Presente a Monseigneur le Dauphin par Hubert Jaillot ... 1706. Paris. A fine decorative world map in the superb Jaillot manner, with full colour to map and two

splendid cartouches. Many interesting geographical features such as California shown as a peninsula (or is it?); Japan, Korea, Australia, New Zealand, southern polar continent, N and W America all at interesting stages of discovery and exploration. Full margins a little frayed in part, otherwise fine condition. 560 x 895mm. £52

AMERICA SEPTENTRIONALIS ... PEE G de L'Isle ... apud Tobiam Cont. Lotter G F Lotter sculps. (Augsberg c1750)

Scarce new version of de L'Isle's famous map first issued in 1700 and published by Lotter from about 1735. After the plate became too damaged for use, Lotter produced another, copying the map exactly but introducing new features to the setting-out etc., especially to the cartouche which now shows an Indian and European trading, with a merchant ship in the background. A number of explorer tracks are shown in the Pacific ocean. Original and distinctive outline and wash colour to map, cartouche uncoloured. 460 x 580mm. £24

AUSTRALIA, SKETCH OF Sydney Cove, Port Jackson ... New South Wales July 1788. J Stockdale, London 1788. A detailed plan of the earliest and projected buildings, and the marking of the principal street, together with soundings and anchorages in the bay. Some repair laid on archivists' linen, now in good condition overall. Coloured. 520 x 460mm. £1

ENGLISH COUNTIES. BY C and Greenwood 1834. Outline and water colour, each with coloured vignette view. Sizes vary around 580 x 680. Bucks (Stowe House) £32 Herts (St Albans Abbey) £35 Surrey (Lambeth Palace from the river) £40. Sussex (Chichester Cathedral) £40. Middlesex (St Paul's Cathedral) £40. Gloucs. (Cathedral) £32. Lancaster (Castle and church from the river) border close to base, as usual £32. Yorks N R (York Minster) £35. Worcester (Cathedral) £32. Kent (Canterbury Cathedral) £40. Berks (Windsor Castle) £32.

LONDON BEFORE THE fire in 1666? W Hollar (1666?) A fine map of London surrounded by 16 coats of arms, the latter only being coloured. Tooley (Maps and Mapmakers, p71) illustrates the English version; this is the French edition differing only in the title and dedication. Darlington and Howgego No 15 (4th) Neither Tooley nor D & H make this differentiation, but the visual indications are that Hollar was responsible for engraving the map and Blome the coats of arms. 170 x 280mm. Fine condition. £8

TARTARIAE SIVE MAGNI Chami Regni typus. Ortelius (Antwerp 1570). Paper bears 1579 watermark. A seminal map showing Japan in the narrow straight between Asia and N America, pre-dating

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Classified advertising charges must be prepaid.

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75 pence (US \$1.40) per column centimetre - minimum charge £7.50 (US \$14). Stock lists should be submitted typed and in the standard format used in Collectors' Marketplace. Advertising charges will be invoiced to dealers on publication.

first map to appear in a Western atlas (P. Teixeira-Ortelius 1545). An important map for the early depiction of California as a peninsula. The map features two ornate cartouches and the whole is decorated with ships, flying fish and Mongol tents. Two small wormholes in the important areas neatly repaired. Subtle original colour. 350 x 475mm. £395

GEOGRAPHY. A SCHOOLBOOK written in manuscript by J H Wollaston of his tutor Percy Toynbee (of the famous family). Dated July 1864. Some 100 pages with 17 maps (some drawn, others cut out from a Johnston atlas), lists the Free and Slave Holding States of the US and contains a short account of the discovery of the source of the Nile by Speke and Grant. Most countries of interest to Britain at that time are described and there are appendices concerning the principal rivers of the world, the races of Man, and physical geography. As an added bonus there are 15 pages of Latin grammar notes. The book is in marbled boards with leather spine and corners and is in excellent condition throughout. 250 x 185mm. An unusual map. £45

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POLY LAND. G. Blaeu. Terra Sancta. Tabula in Sacris Terra Promissionis olim destinata, 1629. Amsterdam (1642) in original colour. £275

IRELAND. G CAROLUS/Blaeu. Tabula Islandiae. (1662) From the unchanged 1630 plate. Fine uncoloured copy. £300

NEW ZEALAND. J Arrowsmith. Map of the Colony of New Zealand, 1844. Original outline colour. £60

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SWEDEN. M SEUTTER. Stockholm. Augsburg (1725). Magnificent city plan ordered above and below by prospects of the Northern and Southern Malm. Ink impression. £300

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IRELAND. N VISSCHER. c1680, Berniae Regnum. A very fine and detailed map embellished with two very decorative cartouches. The title is shown surrounded by a wealth of symbolic figures and surmounted by the arms of the land. The scale at the base has the initials of William III, and also many symbolic figures. Original colour on the paper area. Fine. 18½ x 22½ins. £125

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BRAZIL. RIO DE Janeiro. Sayer and Bennett after D'Après de Mannevillette. 1779. 19½" x 12½". £180

CHINA SEA. SIR R Dudley. 1646 (1661). Carta particolare del Mare di Cocincina Con la parte Australe della China. Fine chart from the Arcano del Mare showing coast of China from Amoy southwards. Fine 18" x 14½". £400

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SCOTTISH COUNTIES BLAEU, Johannes. The following is a large selection of county maps from the fifth volume of Blaeu's 'Novus Atlas', 1654, Amsterdam. Many of the engravings are based on the earlier survey work of Timothy Pont, who probably started his work in 1583 after gaining inspiration from Saxton's 'Atlas of England and Wales', 1579. Each map is a crisp impression and attractively hand coloured in the old style and with decorative cartouche work characteristic of the Blaeu family. They are in excellent condition and have Latin text on reverse. Average size is 425 x 538mm.

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BLOME, RICHARD. A Mapp of the County of Sussex with its Rapes c1673. Many of Blome's maps from the 'Britannia' possess a crude quality so typical of the early engravers. This example is 'humbly dedicated' to Lord Buckhurst, Lord Lieutenant of the County of Dorset. An ornate script, title cartouche and sailing ships make this a very decorative example of copper engraving. Uncoloured. 204 x 312mm. £75

SPEED, JOHN. CORNWALL. 1676. This map is an extremely colourful and decorative item from the 'Theatre of the Empire of Great Britain'. The majority of maps from this edition were drawn by surveys from John Norden and engraved by Jodocus Hondius. The text on the reverse is in English and the engraved surface contains compass roses, the arms of James II, heraldry of the local nobility and an inset of the town of Launceston. Decoratively hand wash coloured in the old style. 372 x 498mm. £550

SPEED, JOHN. 'KENT with her cities and Earles described and observed'. 1650-62. Are to be sold by Roger Rea the Elder and younger at the Golden Crosse in Cornhill agat ye Exchange'. In this edition the text was reset in smaller type and the text is missing on the reverse. Nevertheless, this is an extremely decorative map of the county with heraldry and inset town plans of Canterbury and Rochester. Narrowly cropped margins. 373 x 498mm. £450

SPEED, JOHN. 'GLAMORGANSHIRE with the situations of the chiefe Towne Cardyff and ancient Landaffe described'. This is a fine quality engraving from the first edition of Speed's 'Theatre of the Empire of Great Britaine'. 1611. London, and 'solde in Popes Head alley against the Exchange by John Sudbury and George Humble'. Handwash coloured in the old style, with two town plan insets, this map also has English text on the reverse. 385 x 515mm. £250

SPEED, JOHN. 'THE Countie Pallatine of Lancaster described and divided into Hundreds'. 1676. London. This is a later edition from the 'Empire of Great Britaine'. (Thomas Bassett and Richard Chiswell.) English text on the reverse adds to its interest. An inset town plan of Lancaster is complemented by portraits of monarchs from the Houses of York and Lancaster. Hand coloured in the old style and in fine condition. 385 x 515mm. £450

SPEED, JOHN. 'THE Countie and Citie of Lyncolne'. This is from the 1676 edition of the 'Empire of Great Britaine' (Bassett & Chiswell) but there is no text on the reverse. Heraldry of the local nobility line one margin, an elaborate title cartouche the other and an inset town plan of Lincoln adds to the decorative quality of this map. Colouring is in the oldstyle. 385 x 515mm. £200

LEWIS, W. 'NEW Traveller's Guide or a Pocket Edition of the English Counties containing all the Direct and Cross Roads in England and Wales, with the distance of each principal place from London'. 1819. These maps form a delightful series of county maps from the above work and especially for the collector of miniatures. Each is hand colour washed and accompanied by a descriptive plate relative to the county which, as well as the introduction, includes a table of distances of the principal towns from London, the recommended inns for family accommodation, principal rivers, remarkable views, and places and dates of the principal fairs throughout the county. Reserve your map quickly and capture a picture of your county as it was over 150 years ago. Remember, we can only supply one map of each county. Average size: 132 x 98mm.

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English Town Plans

BRAUN, GEORG AND Hogenberg, F. From these Elizabethan engravers, we offer a small selection of birds-eye impressions of British cities and towns; they are from the 'Civitates Orbis Terrarum' c1573 and all are hand coloured in the old style. Their value is enormous for, as Tooley states, 'this magnificent work is of great interest as a record of the domestic life of the period, town views, heraldic coats-of-arms, rural scenes, land and water transportation, and public buildings'. (Tooley 1971:26). Nordovicum Angliae Civitates (295 x 320mm), old German and Latin text on reverse. £250. Cestria (324 x 440mm), French text on reverse £350. Oxonium and Vindesorium (double plate), French text on reverse £400. Cantebrigia (330 x 445mm), French text on reverse £350. Brightstowe (345 x 440mm),

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World

DE FER, NICOLAS. Mappede-Monde ou Carte Generale de la Terre, 1700. Paris. This is a colourful and decorative map with twin hemispheres, probably from the 'Atlas Curieux' since the engraver is Carolus Inselin. Around the margins are medallions of famous navigators such as Columbus, Vespucci, Magellan. For collectors of world maps, this would be an interesting addition. 225 x 340mm. £150

BRION DE LA Tour. Mappede-Monde, 1766. Paris. This world map of twin hemispheres is most decoratively ornamented with celestial figures and an informative text in French. Each hemisphere is lightly hand-wash coloured. 375 x 540mm. £125

DE LETH, HENDRIK. Mappede-Monde ou Description du Globe Terrestre c1740, Amsterdam. This is a remarkably fine and quite rare twin spherical map of the world in full handwash colouring. Additional smaller spheres decorate the outer margins of the plate. The date is authenticated by the incomplete eastern and southern coastline of Nouvelle Hollande. A valuable addition to any world collection. 445 x 665mm. £350

BRION DE LA Tour, Louis. Les Hemispheres Occidentale et Orientale. c1767 Paris. This pair of hemispherical maps is designed in the typical Brion manner with light handwash colouring and descriptive columns of text in French on the side margins. Because the paper weight is heavy, the maps are well preserved. 375 x 540mm. £100 for the pair.

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Maps), is 'important historically because it was the first general topographic map of a whole country based on extensive triangulation and topographic surveys. It taught the rest of the world what to do'. For a more complete discussion see Brown's Chapter IX. The eighteen sheet map offered here is not in the British Library or the Library of Congress. \$7500

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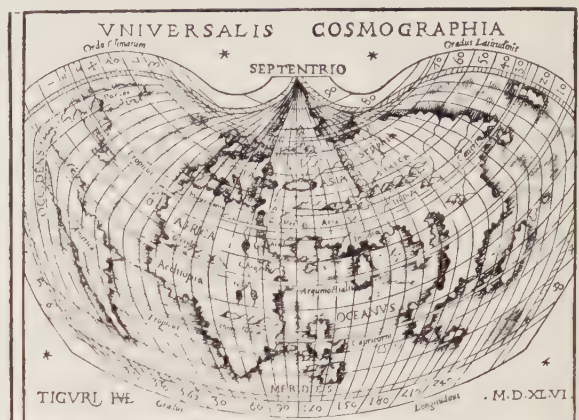
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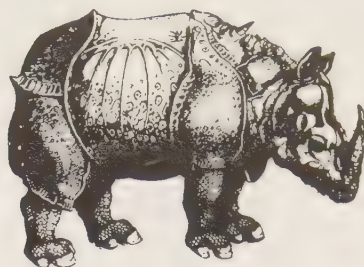
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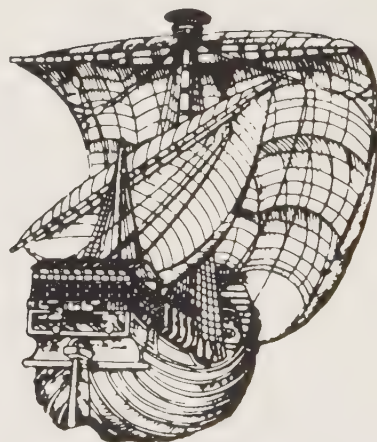
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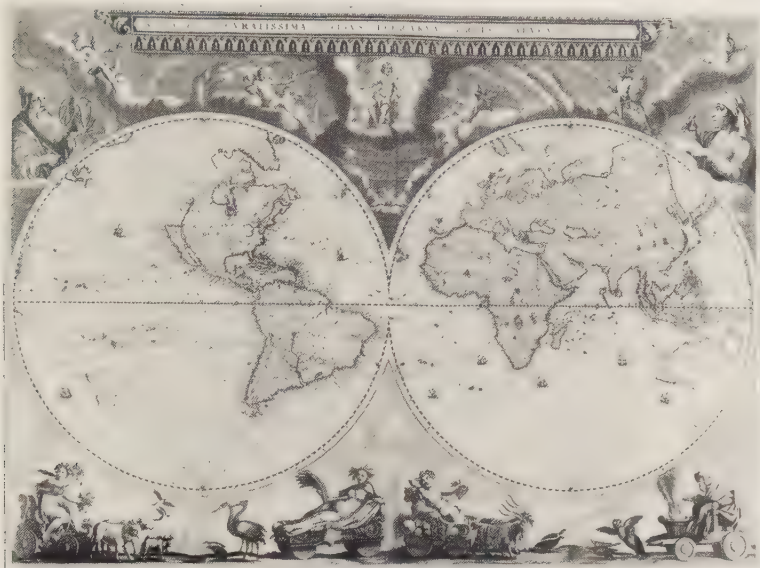
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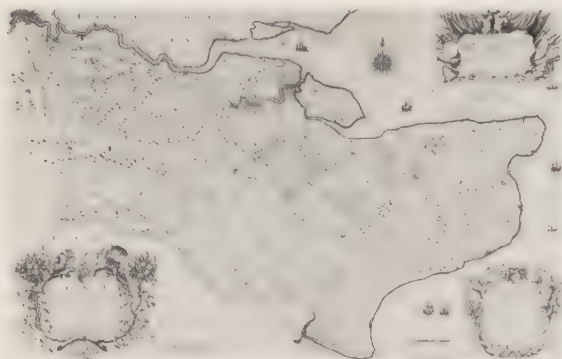
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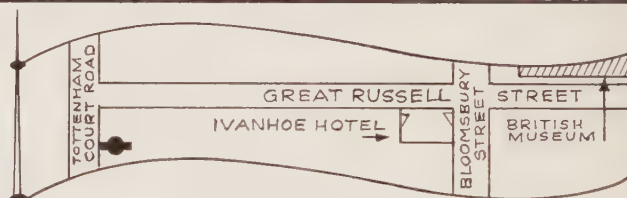
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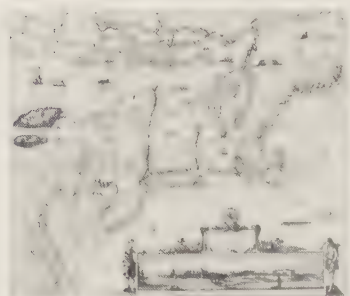
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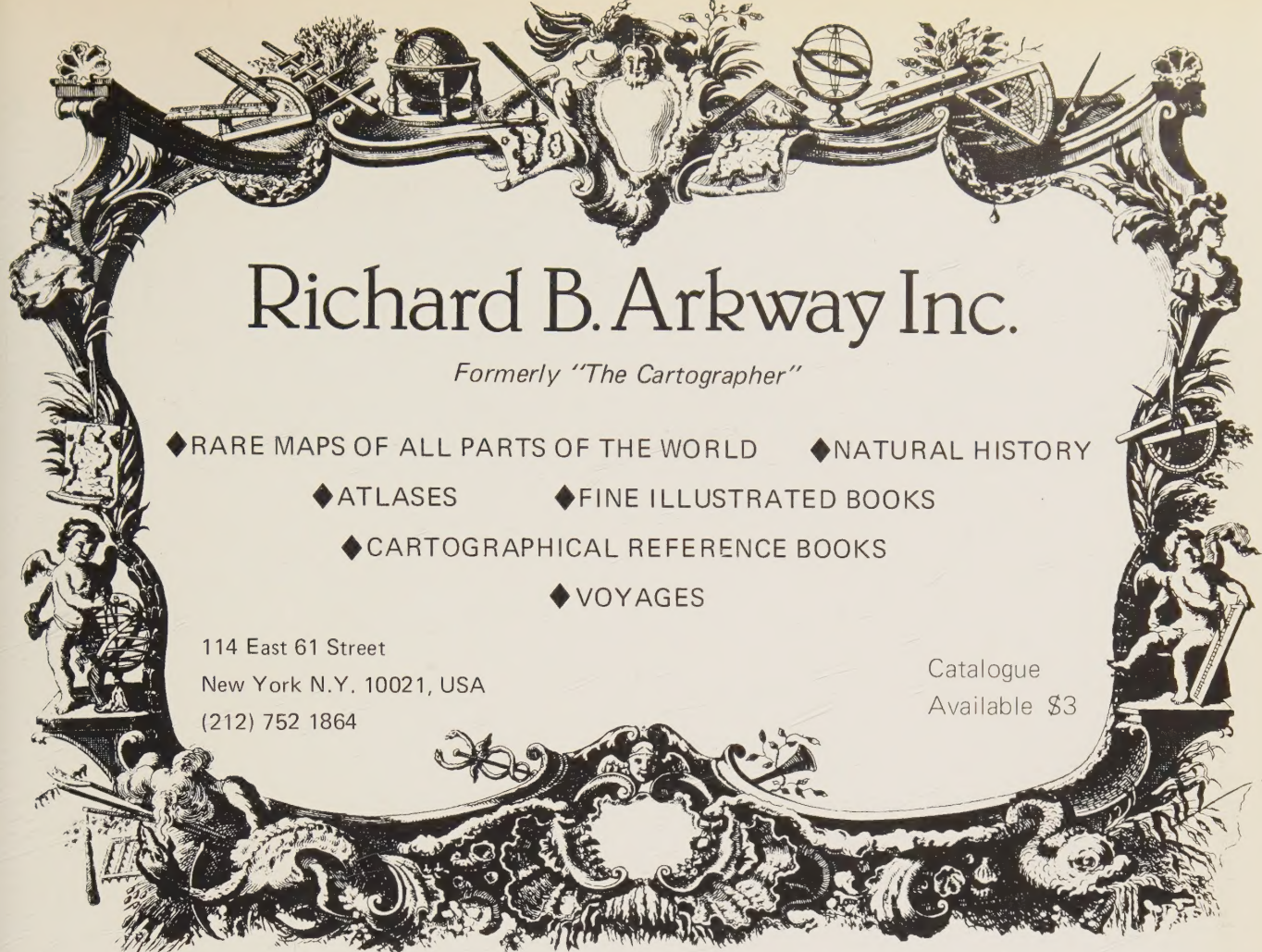
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