
IMCoS
MAP FAIR & EXHIBITION
1984

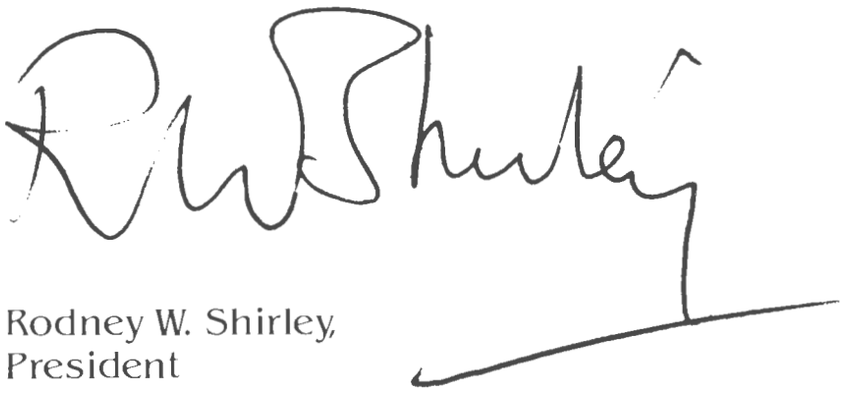
Dear Member,

As President of IMCoS it gives me very great pleasure to welcome you to this Symposium, Map Fair, and Exhibition. Those indefatigable members who have attended our previous meetings – in London (thrice), in Amsterdam, and earlier this year in Cyprus – will not be disappointed on this occasion.

For our Symposium this autumn we have the special privilege of joining with staff from the British Library Map Library and the British Museum. Maps from their unique and outstanding collections will be on view, with short talks by speakers of repute on the common theme of World Maps.

Although places at the Symposium will be limited I hope all of you will find time to come to our World Map Exhibition at the Forum Hotel, which is being held at the same time as the IMCoS Map Fair, on Sunday and Monday 16th and 17th September. A large number of scarce and unusual world maps will be displayed, including some which are for sale. Demand for old maps is undoubtedly freshening after two years on a relative plateau. While it is often the rarer and more expensive items that are displayed and priced accordingly, the diligent browser collector can always uncover alternative maps of interest and quality for a very modest outlay. No better opportunity could arise than at the IMCoS Map Fair this year.

Finally, I extend a special welcome to all overseas participants and wish you a very pleasant stay in this country. As usual, we look forward to seeing many of you at our Dinner, this year being held at the Royal Over-Seas House off St. James's. If you feel there is any help the Society can give you please do not hesitate to contact me or any other member of the Committee.



Rodney W. Shirley,
President

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WORLD MAPS

by R. V. Tooley

World maps are the show piece of an atlas, the first map when an atlas is opened. Every effort is made by the producers, publishers, printers, designers, draughtsmen and engravers to give it especial care, and the most decoration is lavished upon it.

Cloud effects and directional wind heads were a favourite motif in early maps – being used in the Ulm Ptolemy in 1482, by Roselli 1487, by Waldseemüller, Reich, Munster, Ortelius, De Jode and others.

Hemispherical maps were particularly suitable for ornamentation, the spandrels were filled in a variety of ways, by plain arabesque designs by Mercator and De Jode to quadruple subjects, the four seasons, four elements, the four evangelists and the four continents in symbolic figures.

In 1828 William Faden priced his oen sheet map of the World at 2 shillings and his two sheet Hemisphere World at 10 shillings. In 1928 allowing for the change in money value, they had not advanced in value. In this period the price of an Ortelius World map was £1 and a Speed could be bought for £2 to £3. Today the collection of early and ornamental world maps is for the Mecenals of this world, maps priced then in single figures are now worth hundreds and the finest into thousands.

However, it should be possible for the ingenious and patient to make an interesting collection even in this field. For example: in thematic maps, the first maps designed to show the locations of the various fauna of the world, early communication maps the first to show steamship routes, the first lithograph maps of different countries, the earliest steel engraved maps. There are many advertisement maps showing the locations of various trades and multiple corporations. Early poster maps etc. The list could be expanded and a considerable collection would have a value.

Not many world maps disclose their designers but some notable artists have been employed in their construction; Albert Durer, Jost Amman, and Hans Holbein among others.

Cribbing and copying was common usage. Waldseemüller's representation of the King of Portugal astride a frog was copied by Sebastian Munster. Blaeu's world map of 1606 was reproduced by Peter van den Keere in 1608 and used by Visscher in 1614 and Hondius in 1617. Speed's single costume figures used in side borders were taken from the double costume figures of Blaeu, and Robert Vaughans seasons and portraits modelled on Speed.

Apart from the direct copies, ideas were expanded. Plancius symbolised Asia as a female figure riding upon a rhinoceros, and America upon an armadillo, later associated with an alligator. Later Asia was usually shown with a camel, and Africa with a Lion or a crocodile.

Topical events were marked at times as for example Drake's circumnavigation on the world map by Hondius and De Bry's map of 1599 included a portrait of Drake. Blaeu's great wall map of 1648 with annotations in French, Dutch and Spanish give some indication of its international scope, an up to date view of the world giving the latest discoveries, at the end of the Thirty Years War.

Very appositely, the subject is now illuminated by Rodney W. Shirley's 'The Mapping of the World. Early Printed Maps 1472-1700.' Published by the Holland Press 1983, 639 items, 440 illustrated, some in colour, folio, cloth, well indexed.

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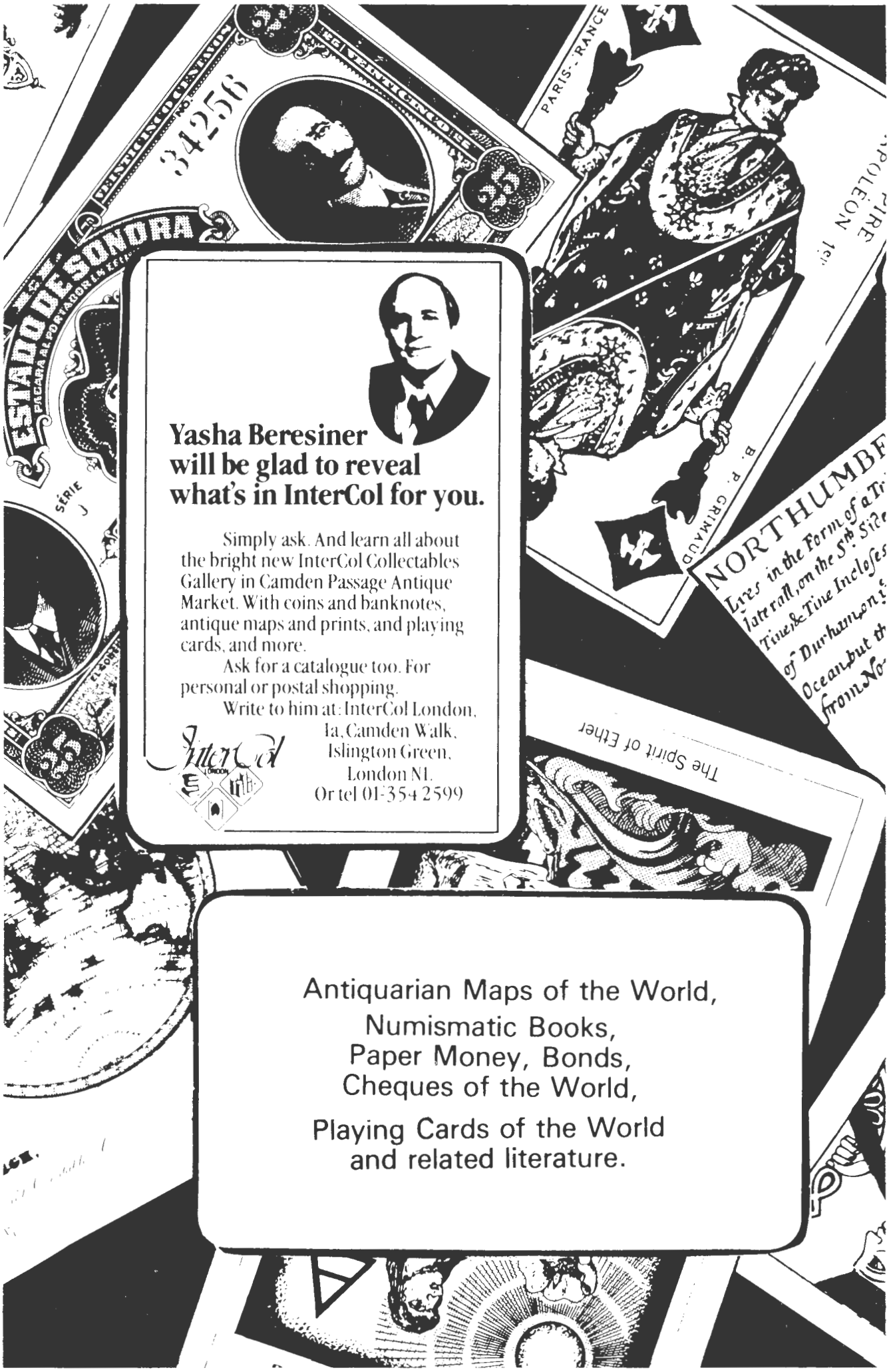
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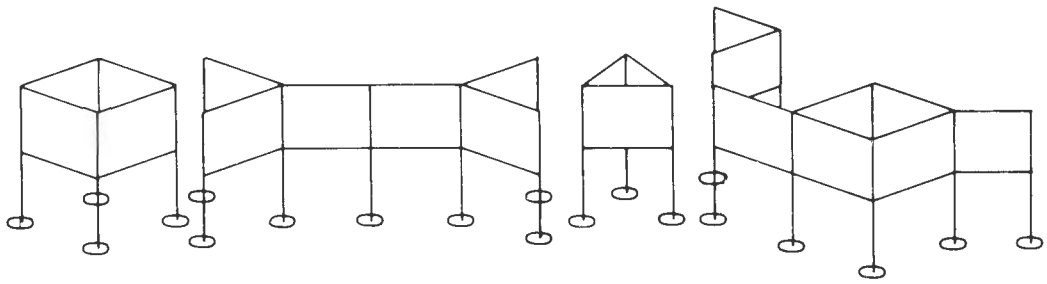
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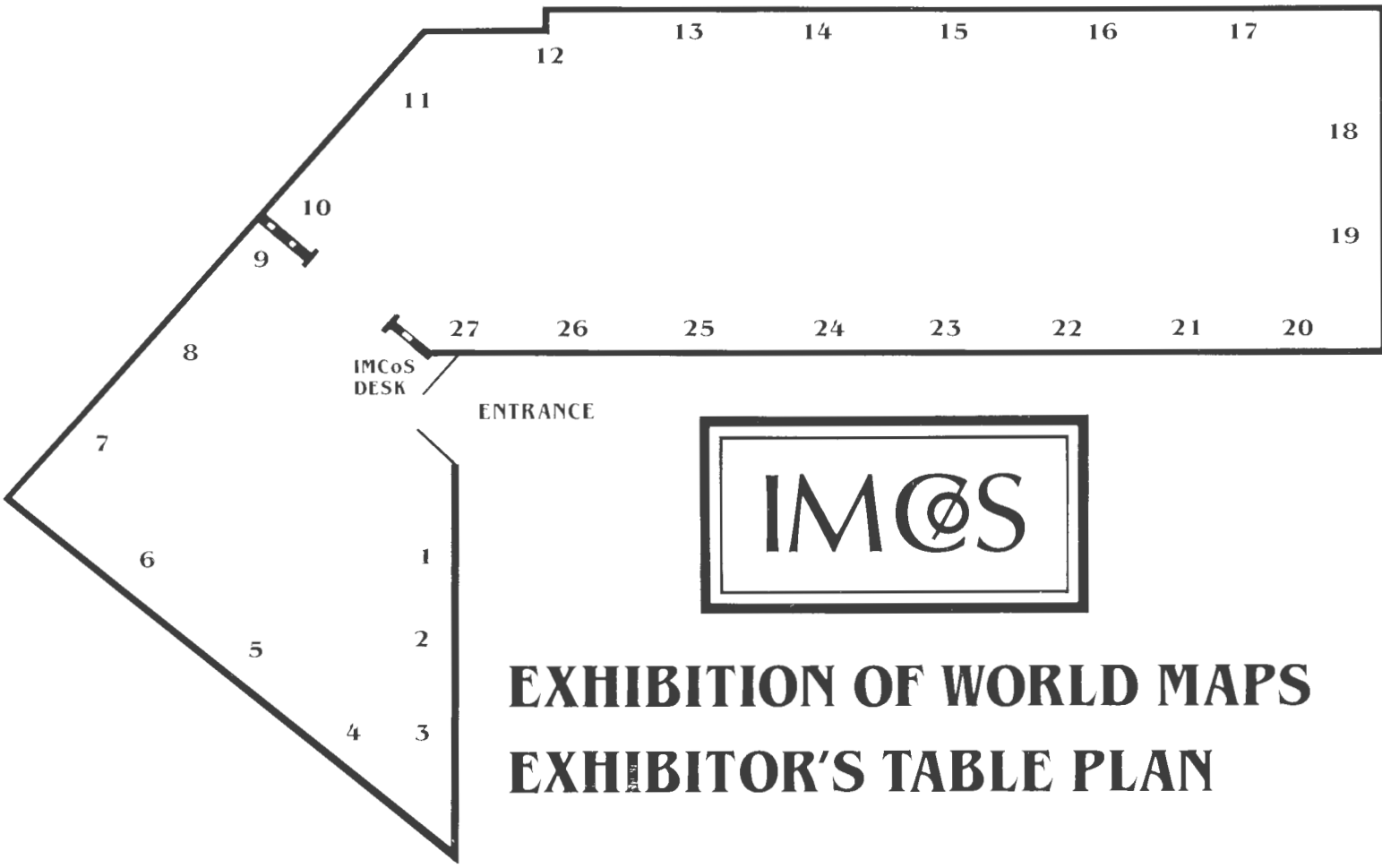
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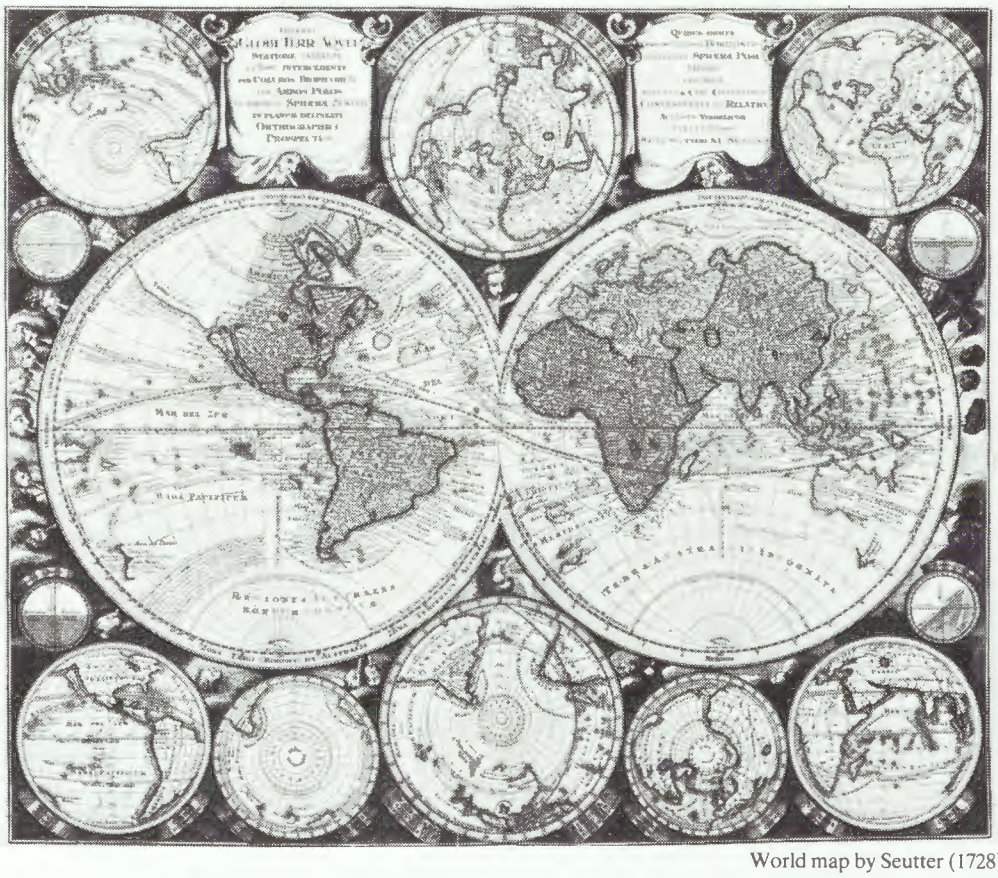
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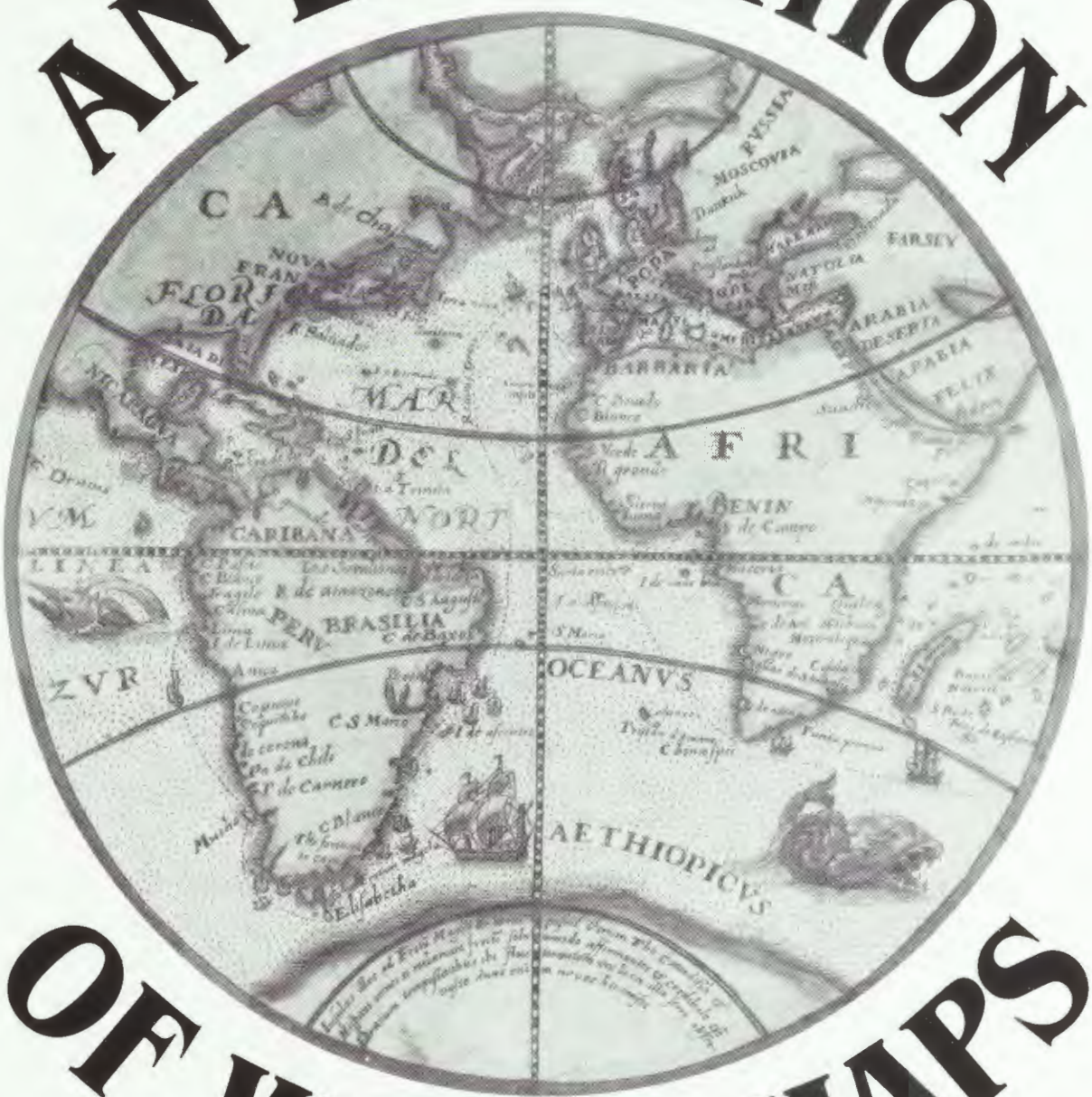


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Organised by

THE INTERNATIONAL MAP COLLECTORS' SOCIETY

London, 1984

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11 a.m. – 5 p.m.

INTRODUCTION

Apart from individual dealer offerings – notably the collection displayed by The Map House in 1980 – this is, I think, the first public exhibition of world maps in this country within recorded memory. Over 200 items are on view which have been contributed by both IMCoS collectors and dealers: they range from maps printed nearly 500 years ago to maps from our own time in the 1980s. Some maps are for sale, as marked in the catalogue of entries.

Since earliest history, man has sought to visualise and portray the bounds of his environment. Before the true extent of the world became known the shape of its lands and their relationship to each other was described in very different ways from those accepted nowadays. Philosophical ideas, uncertain travellers' tales and religious preconceptions were preferred to measurement and verification. Hence we find that before Columbus voyaged over the Atlantic, or the Portuguese ventured East, Christianised medieval *mappae mundi* stood side-by-side with the thousand year old world picture of the Alexandrian Claudius Ptolemy. Examples of pre-Columbian concepts of the world form the first part of this exhibition.

The next part deals with maps associated with the age of the great discoveries. The first two centuries of this period – approximately from 1500 to 1700 – saw the European exploration, conquest and settlement of huge areas of the Americas, India and the Far East. In the 1630s and 1640s came the first charting of Australia, not completed until Cook's voyages nearly 150 years later. To the 19th century, and the 20th, was left the final exploration of the interior of Africa and the remote polar regions.

Tantalisingly little cartographical material has survived from the first decades of the Spanish and Portuguese discoveries. The first recognition of a New World, and indeed the name 'America,' comes from Waldseemüller's monumental wall map of 1507 which is on display in facsimile. Imperfect regional maps or a few rare world maps gradually fill out the details. In the maps of Apian, Fine and Münster the shape of the Far East becomes recognisable and the amazing exploits of Cortés and Pisarro in central and south America are belatedly recorded. Not until the 1560s was it acknowledged through Gastaldi's world map that America and Asia were separate continents and not joined as one.

Gerard Mercator's famous chart of 1569, constructed on the projection bearing his name, drew together both contemporary and classical findings. He theorised that south polar land must exist to counterbalance the known continents in the north. Other well-known cartographers such as Ortelius followed suit, and by the turn of the century two co-existent representations of the known world had become standard: one showing the earth as twin hemispheres, and one in rectagonal form on Mercator's projection. By now the main coastlines were surprisingly well charted but inland many conjectural names and features disguise an almost complete lack of information about the interior of all the continents except Europe and parts of Asia. Careful study of individual maps on display will show how hard-won advances in exploration, trading and settlement were piece-by-piece slowly recorded on maps of the time.

From the 1650s onwards the outline of the world, now including the partial outlines of Australia, Tasmania and New Zealand, remained basically unchanged for over 100 years. Changes can be seen as France and England vied for territorial rights in North America, while the Dutch expanded their settlements in southern Africa and the East Indies. Cook's voyages in the Pacific between 1768 and 1779 filled a long overdue gap, and the tracks of his ships were recorded on many world maps from the 1780s onwards.

Some maps – and world maps in particular – are so richly ornamented and so brilliantly engraved that they deserve a separate exhibition grouping under 'world maps and the decorative arts.' No clear line defines maps classed as 'decorative'; indeed many maps are appreciated just for their clarity and functional excellence. But especially in the 17th century, paralleling the baroque exuberance of the visual arts throughout northern Europe, the geographical content of many world maps is almost dwarfed by the splendour of their borders, cartouches and ornamentation. The pleasure that such maps give is bound to be enhanced when an originator or engraver of the calibre of Visscher, Keere, Goos or Hooghe has been employed with such skill. World maps by these artists, and by others of no less distinction, are on display.

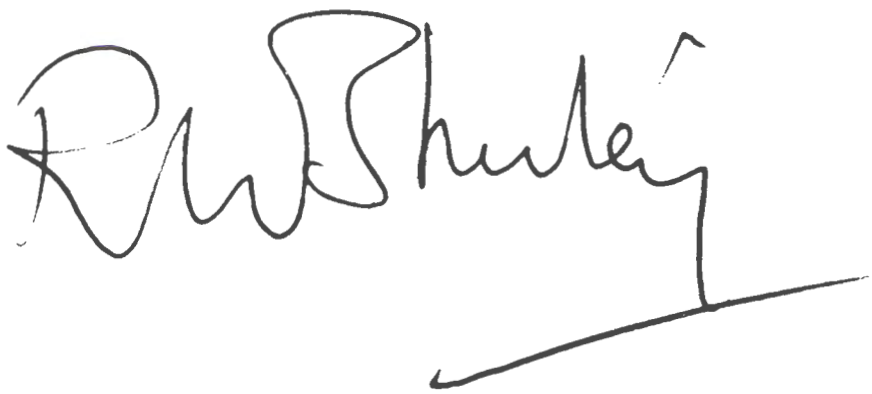
An interesting phase in the history of cartography is the transition between maps as definers of territory, with essentially political or physical features, and maps as communicators of more 'scientific' aspects or qualities of the earth and its peoples. One of the first such maps, shown in that part of the exhibition devoted to science and cartography in transition, is Hondius' 'Christian World' map. For Hondius, as well as for Ortelius and Plancius, their life, work and religion were one: we are reminded today of Hondius' cosmographical reverence through the quotation *Domini est terra et plenitudo eius* on some of his world maps, 'The earth is the Lord's and all that therein is.'

Study of the heavens, of diurnal measurement, and of astronomical theories (old and new) proceeded hand-in-hand with devotion to religion and the Bible. All these aspects found expression in world maps and can be seen in examples displayed. By degrees, as the 17th century progressed, natural phenomena came to be subjected to question and in turn was represented cartographically. We have Kircher's world map of turbulences, the Halley-Moll chart of the winds and, in the early 1700s, Halley's primal isogonal world map with lines of magnetic variation: a rendering of inestimable value to mariners. Towards the end of the 17th century, observations of the eclipses of the satellites of Jupiter throughout the world meant that maps could be constructed on more exact locational coordinates. Jean-Dominique Cassini's circular master map on the floor of the Paris Observatory was translated into printed form in the 1690s, and four such derivatives are on display. Doppelmayer's later world map is itself a record of over 140 astronomical observations which had been determined by the early 1740s.

The 18th century saw further advances in scientific methodology and their cartographical adoption. But it was not until the next century that the true thematic map reached fruition, as exemplified by some of the 'Victorian' world map examples displayed. A strong educational element is also present. The 19th and 20th centuries are of course notable for the sheer immensity of cartographical production, world maps sharing in this explosion. Hence the

great majority of recent material has been only partly and imperfectly studied. But in spite of many commonplace or functional general maps a number of individual examples of higher quality and relevance are now being studied and collected. A very small and random selection of world maps from this period is on display, and may stimulate further interest and research.

One special part of the exhibition is devoted to smaller maps and curiosa. Fortunately, pocket-size maps and title-pages are no longer neglected; moreover in the case of world material they are often less expensively priced than the larger items and thus allow newer collectors entrée into the field. As for cartographical curiosities, this covers every sort of strange fancy from the world as a clover leaf (Bunting, 1581) to the immense inflatable globe devised by the grandfather of W. G. Grace. The collector's scope is as wide as the opportunity and time he has to search for these varied items.



Rodney W. Shirley

WORLD MAP EXHIBITION

Where maps are marked for sale, interested purchasers should verify details of the map's condition with the vendor, from whom further information as to each map's state, source, and condition can be obtained.

The reference 'Shirley' in the entries below is to the work 'THE MAPPING OF THE WORLD Early Printed World Maps 1472-1700' by Rodney W. Shirley; The Holland Press, London, 1984.

I. PRE-COLUMBIAN CONCEPTS OF THE WORLD

1. HEREFORD MAPPA MUNDI c. 1275. This unique medieval world map can still be seen in Hereford Cathedral; it is perhaps linked to a Roman world survey made by Agrippa. Many legends of natural history and travel are annotated from Christian and classical sources. Exhibit 3, printed over 200 years later is of similar genre. (Reduced-size facsimile lent by a member of IMCoS).

2. AMBROSIUS MACROBIUS Brescia, 1483 [Venice 1565]. The ancient world as conceived by the fifth-century AD Roman philosopher Macrobius, with a separation of the northern and southern continents. First printed at Brescia in 1483, this version is from a later edition of the *In Somnium Scipionis.* Shirley 13. (Lent by a member of IMCoS).

3. ANON Lyons, 1491 [Paris, c. 1517]. Close study is needed to comprehend the complex medieval world picture transmitted by this rare circular woodcut. East is at the top, the Mediterranean roughly in the centre and the British Isles (*A[ng]leterre* and *Irlande*) at lower left. From a Parisian edition of the *Mer des histoires* of c. 1517. Shirley 17. (Lent by a member of IMCoS),

4. HARTMANN SCHEDEL Nuremberg, 1493. A robust Ptolemaic woodcut, taken from the famous compendium the Nuremberg Chronicle. The panel of outlandish figures on the left harks back to the Middle Ages. Schedel's map is one of the few *incunabula* maps available to collectors. Shirley 19. (Thomas E. Schuster, £1,500).

5. GREGOR REISCH Strassburg, 1504. One of the rare world maps used to illustrate Gregor Reisch's *Margarita Philosophica,* a popular student's reference work of the 1500s. Shirley 22. (Lent by a member of IMCoS).

6. CLAUDIUS PTOLEMY – MARTIN WALDSEEMÜLLER Strassburg, 1513. One of the boldest and most striking of the early Ptolemaic world maps, as translated by the St. Dié geographer Martin Waldseemüller. Shirley 34. (Tooley Adams, £2, 150).

7. CLAUDIUS PTOLEMY – SEBASTIAN MÜNSTER Basle, 1540 (or later). A less sophisticated Ptolemaic world, accompanying Münster's translation of Ptolemy's *Geographia* published from 1540 onwards. Shirley 76. (Jonathan Potter, £300).

8. CLAUDIUS PTOLEMY – GERARD MERCATOR Cologne, 1578. Of all editions, Mercator's is acknowledged as the most accomplished cartographical rendering of the maps of Ptolemy. This world map is engraved by Mercator himself and is one of his finest works. Shirley 139. (Lent by a member of IMCoS).

9. ABRAHAM ORTELIUS Antwerp, 1590. The limits of the ancient world were set out in Ortelius' *Aevi Vetus.* The example displayed is from an edition of his *Parergon* of 1606. (Jonathan Potter, £300).

10. ANDREAS CELLARIUS Amsterdam, 1660. From Cellarius' celebrated Celestial Atlas published by Jan Jansson, this map shows the ancient world. Cherubic decoration is coupled with scientific diagrams of an armillary sphere and the climatic zones. (O'Shea Gallery, £450).

11. ANDREAS CELLARIUS Amsterdam, 1660. Also from Cellarius' Celestial Atlas is a large schematic representation of the Ptolemaic universe with the fixed and immoveable earth at its centre. (O'Shea Gallery, £750).

12. VINCENZO CORONELLI Venice, 1690. A century after Ortelius, Coronelli presented the *Aevi Vetus* in his own distinctive way with climatic and zodiacal borders. Coronelli's 'modern' hemispheres are displayed as exhibit 85. (Jonathan Potter, £240).

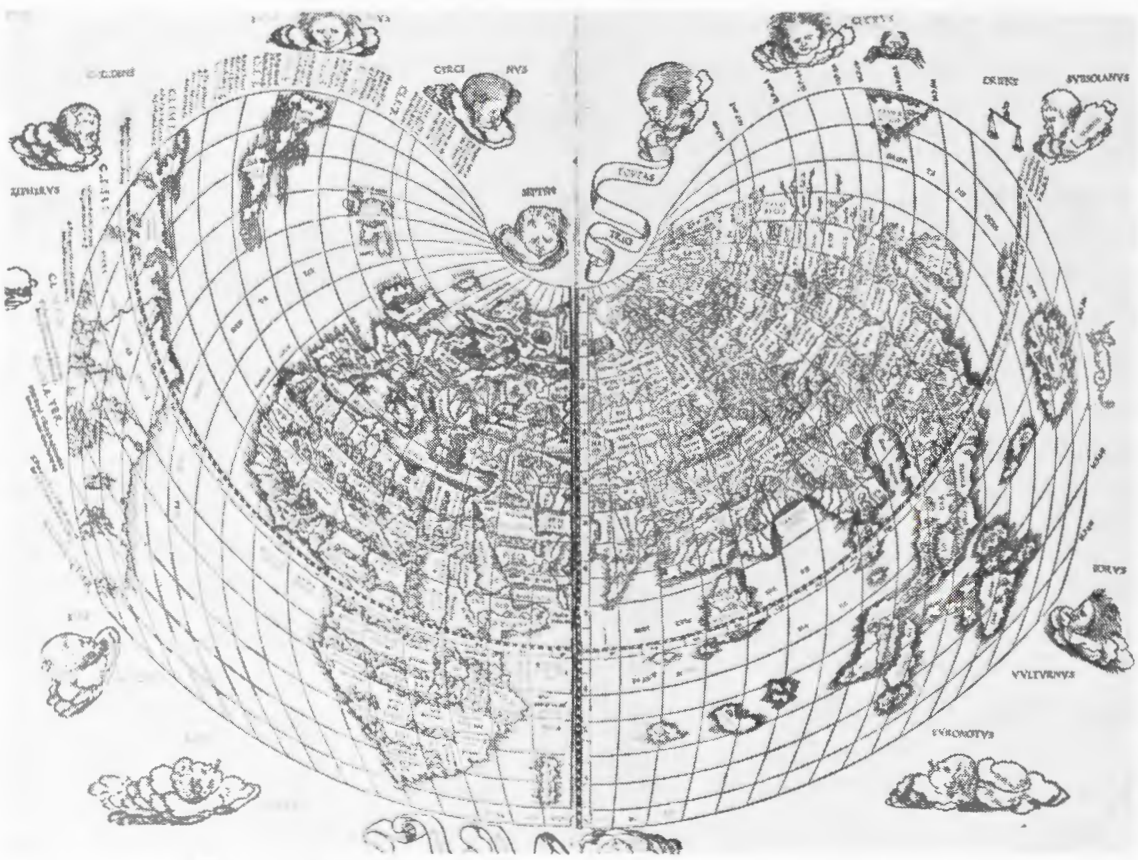
13. ROBERT DE VAUGONDY Paris, 1752. Probably prepared for his *Atlas Universal,* Vaugondy's *Orbis Vetus* in fact includes both the old and new worlds, transferring the mythical *Atlantis Insulae* to the Americas. (Intercol, £280).

II. THE AGE OF THE GREAT DISCOVERIES

14. MARTIN WALDSEEMÜLLER Strassburg, 1507. Only one copy is extant of Waldseemüller's huge twelve-sheet woodcut wall map of 1507: the first to use the name 'America'. The earliest explorations of Columbus and Vespucci in the New World are combined with the Portuguese circumnavigation of southern Africa. Shirley 26. (Reduced-size facsimile and Smithsonian Institution notes lent by a member of IMCoS).

15. MARTIN WALDSEEMÜLLER Strassburg, 1516. Also surviving by one copy only, Waldseemüller's other great wall map is a navigational chart. More details are given of Portuguese settlements in India and beyond. Note the many interesting vignettes, animals and regal figures. Shirley 42. (Reduced-size facsimile lent by a member of IMCoS).

16. BERNARD SYLVANUS Venice, 1511. The 'modern' cordiform world map from Sylvanus' edition of Ptolemy's *Geographia,* 1511. One of the earliest examples of two-colour printing, with the capital letters being printed in red. Shirley 32. (Lent by a member of IMCoS).



1. Sylvanus 1511 Exhibit 16

17. MARTIN WALDSEEMÜLLER Strassburg, 1513. The world chart from Waldseemüller's edition of Ptolemy's *Geographia,* is often known as the 'Admiral's Map' because the incomplete rendering of the New World may have been derived from observations made by the 'Admiral' Christopher Columbus. Shirley 35. (Tooley Adams, £2,300).

18. PETER APIAN Vienna, 1520 [Basle, 1522]. Apian's masterly reduction of Waldseemüller's 1507 wall map retains the name 'America' and the channel between the north and south parts of the New World. Apian's woodcut appeared in Kamers' 1520 edition of Solinus and then in Pomponius Mela's *De Situ Orbis* published from Basle two years later: the latter edition is here displayed. A rare early map in its original volume. Shirley 45. (Rodney W. Shirley, £6,850, complete work).

19. LAURENT FRIES Strassburg, 1522. Dated and initialed *(1522 LF.)*, Fries' map is one of the most decorative of the early world charts. Criss-cross navigational lines blurr the many distortions and inaccuracies. Shirley 48. (Lent by a member of IMCoS).

20. SEBASTIAN CABOT Antwerp, 1544. Cabot's eight-sheet printed wall map is celebrated for its cartographic detail (taken from Portuguese sources), for its elegance and illustrative style. Cabot had many connections with England, and one of his maps hung in Whitehall until destroyed by fire at the end of the seventeenth century. One surviving example is in the Bibliothèque Nationale, Paris; another has been reported very recently. Shirley 81. (Reduced-size facsimile lent by a member of IMCoS).

21. SEBASTIAN MÜNSTER Basle, 1550 (or later). The second woodcut world map appearing in editions of Münster's *Cosmographia,* with the initials of the woodcutter David Kandel. North America is still almost bisected by water. Shirley 92. (Eiddon Morgan, £850).

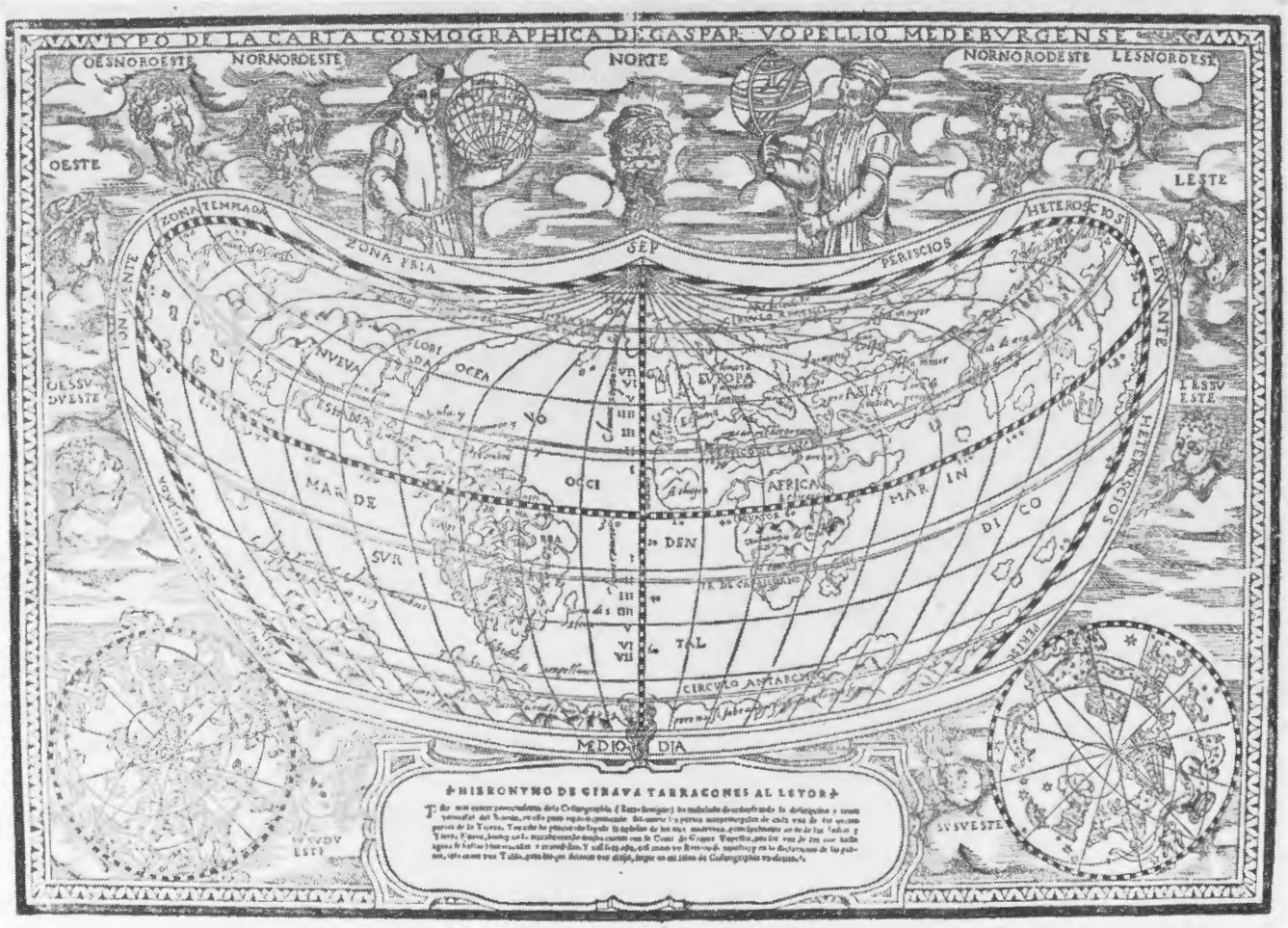
22. PETER APIAN Lyons, 1564. Apian's woodcut cordiform map is taken from a lost world map by Gemma Frisius. It first appeared in Apian's *Cosmographia* in 1544 and three variant blocks are known. This version is from a rare work by Pinet published in Lyons in 1564 with graphic text below the map describing the nature and properties of the winds. A translation of this text is appended as exhibit 22A. Shirley 82. (Lent by a member of IMCoS).

23. JERONIMO DE GIRAVA Milan, 1556. Drawn after Caspar Vopell's lost world map of 1545, Girava's rare map was used to illustrate his book *La Cosmographia.* The inscription across the southern continent, saying that it was sighted in 1499, has given rise to much speculation. Shirley 101. (Lent by a member of IMCoS).

24. CASPAR VOPELL – BERNARD VAN DEN PUTTE Antwerp, 1570. For comparison with exhibit 23, this photograph shows one of two later versions known of Vopell's great wall map of 1545 on twelve sheets. Van den Putte's original is in the Herzog August Bibliothek at Wolfenbüttel. Shirley 123. (Photograph lent by a member of IMCoS).

25. GIROLAMO RUSCELLI Venice, 1561. Two elegantly-engraved hemispheres prepared for Ruscell's Venetian edition of Ptolemy's *Geographia* in 1561. Shirley 110. (Lent by a member of IMCoS).

26. GIROLAMO RUSCELLI Venice, 1561. The second general map in Ruscelli's edition of Ptolemy's *Geographia* is a 'Carta Marina' or mariner's map. The continents are overlaid by a circular pattern of criss-crossing rhumb lines. Shirley 111. (Lent by a member of IMCoS).



2. Girava 1556 Exhibit 23

27. ABRAHAM ORTELIUS Antwerp, 1570 [after 1579]. One of the classic early world maps, translating Mercator's grand conception of 1569 into single-sheet atlas format. From Ortelius' long-lived *Theatrum*; this issue post-1579. Shirley 122. (Eiddon Morgan, £1,350).

28. ABRAHAM ORTELIUS Antwerp, 1587 [1598]. Ortelius' third and last map plate is easily distinguished by its ornate border with corner medallions. The unwarranted bulge of the south-west coastline of South America has now been corrected. Shirley 138. (Jonathan Potter, £1,450).

29. RUMOLD MERCATOR Amsterdam, 1587 [1619]. First issued in 1587 by Gerard Mercator's son Rumold, the late 16th century world is presented in two hemispheres rather than the less familiar 'rectangular' projection associated with Mercator. Frequently reprinted in Hondius' editions of Mercator's *Atlas*, the advanced crack across the second 'R' of 'Terrae' in the title is consistent with a date of 1619. Shirley 157. (Lent by a member of IMCoS).

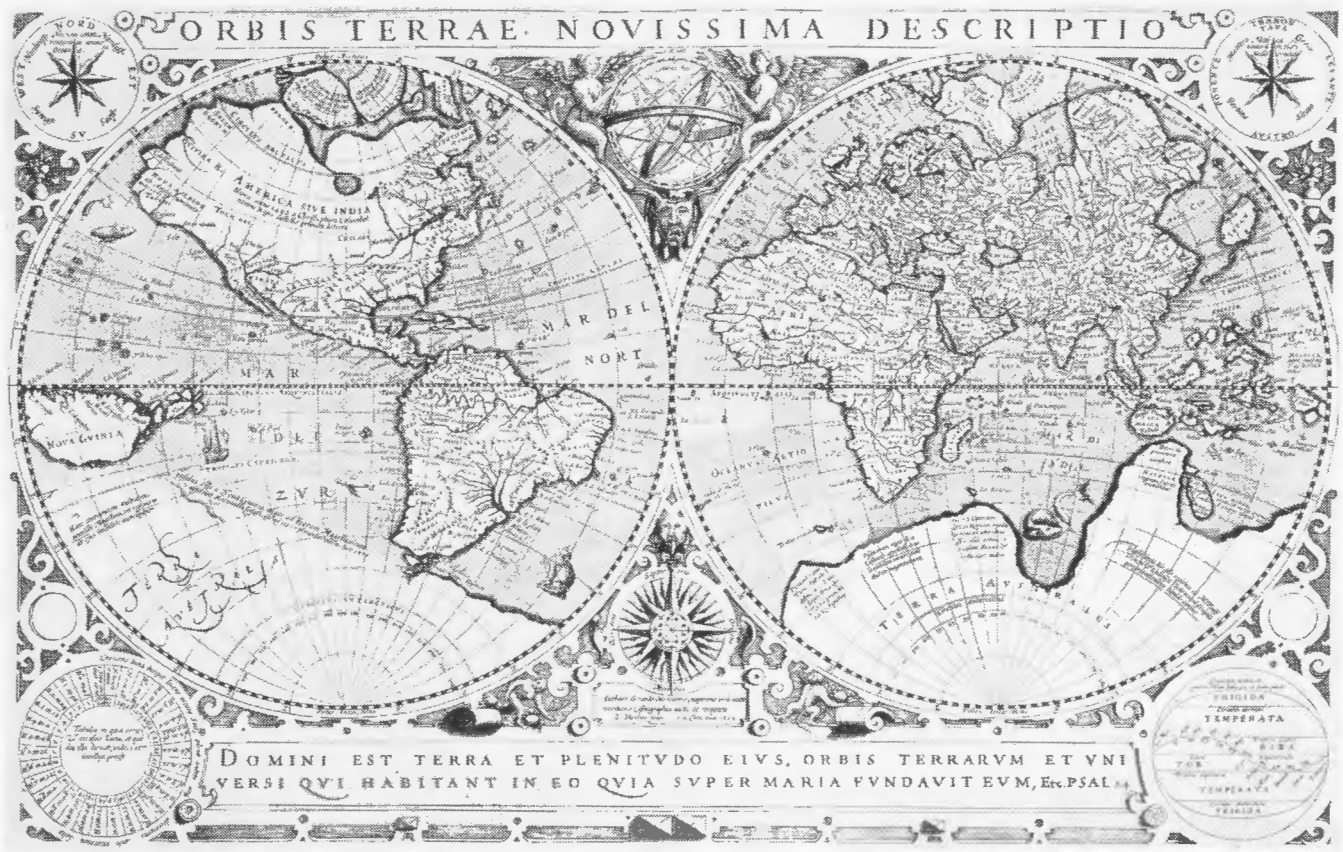
30. PETRUS PLANCIUS Amsterdam, 1594. Plancius' influential world map was based on Portuguese sources, especially for the Far East. The map appeared in editions of Linschoten's *Itinerarium*, and the dramatic corner scenes taken from De Bry were copied by many later cartographers. Shirley 187. (Tooley Adams, £2,350).

31. THEODOR DE BRY Frankfurt, 1599. This is the largest and finest of the world maps on the title-pages of De Bry's collection of explorers' voyages. Based on the famous Drake broadside, it shows the hemispheres similarly divided and marks the route of his circumnavigation. Drake's portrait appears at the top and his vessel, the Golden Hinde, below. Shirley 219. (Lent by a member of IMCoS).

32. JODOCUS HONDIUS Amsterdam?, c.1595. A photograph of Hondius' original map showing the voyage round the world of Sir Francis Drake is on display for comparison with exhibit 31. The corner vignettes depict scenes of events during Drake's circumnavigation. Shirley 188. (Photograph of broadside courtesy the British Library; lent by a member of IMCoS).

33. ANON Amsterdam? c.1600. An unidentified world map, originally dating from around the turn of the century. It was later included in Ephraim Pagitt's *Christianographie* of 1635. Shirley 224. (Lent by a member of IMCoS).

34. JEAN LE CLERC Paris, 1602. The second map engraved by Hondius for Le Clerc is on a double-hemispherical projection following Rumold Mercator. Hondius' distinctive skill provides a complex decorative border. The map displayed, a later state dated 1633, comes from an atlas published by Le Clerc's widow. Shirley 233. (Tooley Adams, £1,500).



3. (Hondius) le Clerc 1602 Exhibit 34

35. AUGUSTINO TORNIELLO Milan, 1609. A simplified version of Ortelius' oval world map; in this case, etched. Note that North America is labelled *Mexicana.* Shirley 267. (The Holland Press, £400).

36. CORNELIS VAN WYTFLIET Douai, 1611. A somewhat diminutive figure of Atlas supports Wytfliet's two hemispheres. Shirley 207. (J. A. L. Franks, £360).

37. JORIS VAN SPILBERGEN Leiden, 1619. The purpose of this world map was to illustrate the voyage round the world of Willem Schouten and Jacob Le Maire. The discoveries of Le Maire along the northern coast of New Guinea are shown in a lower panel. The map is sometimes ascribed to Geelkercken, publisher of the *Speculum Orientalis* in which it appeared. Shirley 304. (Lent by a member of IMCoS).

38. JOHANN THEODOR DE BRY Oppenheim, 1619. The striking title-page to De Bry's *America* displays a world map with the route round the world of Willem Schouten (1615-17). At the top of the map are the figures of Magellan and Schouten with portraits of four earlier circumnavigators at the sides. Shirley 301. (Rodney W. Shirley £135).

39. WILLIAM GRENT London, 1625. Only two copies are extant of William Grent's high-quality world map of 1625. Features of the map, and particularly the inscriptions on it, were copied by Speed or his engraver. Shirley 313. (Reversed image photoprint, courtesy Bodleian Library, Oxford).

40. JOHN SPEED London, 1626. One of the finest English pieces is this map prepared for John Speed's *Prospect* of 1627. The anonymous engraver – perhaps Abraham Goos – has drawn on earlier maps by Hondius (exhibit 68) and by Grent (exhibit 39). The mid-century date (1651) shows that the map comes from one of the William Humble editions which are relatively scarce. Shirley 317. (Intercol, £1, 100).

41. ROBERT WALTON London, 1656. Lacking Walton's name, this map (as the example displayed) appears in Dionysius Petavius' *History of the World.* The similarities compared to Speed's predecessor map (exhibit 40) are evident and for many years the two maps were confused. Shirley 397. (Lent by a member of IMCoS).

42. JAN CLOPPENBURGH Amsterdam, 1630. Cloppenburgh's reduction of Mercator's *Atlas* included a new world map, the first in an atlas to show Australia. The map displayed is a later state with Australia in more highly developed form. Shirley 334. (Lent by a member of IMCoS).

43. MATTHAUS MERIAN Frankfurt, 1638. A German copy, with typical and distinctive lettering, of Blaeu's influential world map (see exhibit 64). Shirley 345. (Jonathan Potter, £420).

44. NICOLAS SANSON Paris, 1651. Engraved by Rivière, Sanson's world map is one of the first to distinguish the Great Lakes in North America. Australia is also shown in a curious truncated form. This world map was published separately from 1651 onwards before being included in Sanson atlases. Shirley 390. (Rodney W. Shirley, £235).

45. RICHARD BLOME London, 1670. The French influence of Sanson (see exhibit 44) is apparent, and duly acknowledged, in this world map by Richard Blome. It is enlivened by graceful garlands and the emblems of royalty. Shirley 455. (Lent by a member of IMCoS).

46. GIOVANNI DE ROSSI Rome, 1674. The influence of Sanson's world map (exhibit 44) was widespread, and it is here copied by the Italian De Rossi. From De Rossi's *Mercurio Geographico* of 1674. (Intercol, £300).

47. ALEXIS-HUBERT JAILLOT Paris, 1674 [1696], Jaillot first published an enlarged and revised version of Sanson's world map (exhibit 44) in 1674. The engraving is distinguished and the printing usually of the highest quality. There were several plates and states; the example shown is dated 1696. Shirley 462 and 550. (Lent by a member of IMCoS).

48. ALEXIS-HUBERT JAILLOT Paris, 1694 [1792]. As befits a French map originally dedicated to the Duke of Burgundy, the French possessions in America are prominently marked. After nearly 100 years Jaillot's plate came into the possession of J. B. Elwe of Amsterdam who re-issued it in 1792. (Magna Gallery, £415).

49. ALEXIS-HUBERT JAILLOT Paris, 169[5]. A further world map by Jaillot, engraved by Cordier, was prepared for his *Atlas François.* Shirley 569. (Lent by a member of IMCoS).

50. PIERRE MORTIER Amsterdam, 1693. The general map on Mercator's projection from the Amsterdam *Neptune François* is here shown in its first state before major changes were made to the coastline of North America. Shirley 559. (Lent by a member of IMCoS).

51. PIERRE MORTIER Amsterdam, 1703. Mortier's second plate, similar to exhibit 50, was engraved and signed by Baltasar Ruyter. A huge (but fictitious) *Mer Glaciale* now extends across North America from California to Hudson's Bay. North-east Asia has also been re-drawn. (O'Shea Gallery, £1,500).

52. PIERRE MORTIER Amsterdam c. 1700. This double-hemispherical map by Mortier includes the speculative Mer De L'Ouest across North America and a coastline linking New Guinea with Tasmania. From Mortier's *Atlas Nouveau;* the example displayed is a later state by Covens and Mortier. Shirley 621. (O'Shea Gallery, £1,750).

53. PIETER SCHENK Amsterdam, 1708. Schenk copied De L'Isle's famous map of 1700 where, after nearly 80 years incorrect representation as an island, California appears again as a peninsula. (Lent by a member of IMCoS).

54. HENRI ABRAHAM CHÂTELAIN Amsterdam, 1708. Châtelain's map, from his *Atlas Historique* repays detailed study. It logs the expansion of the Dutch East and West Indian Companies by trading and colonisation throughout the Americas, Africa, and Asia. (Lent by a member of IMCoS).

55. HENRI ABRAHAM CHÂTELAIN Amsterdam, 1708. Châtelain's larger map of the British Isles, also from his *Atlas Historique* has two separate east and west hemispheres at the top. Their stated purpose is to show the English settlements in each part of the world. (lent by a member of IMCoS).

56. HERMANN MOLL London, 1719. Moll's large four-sheet map on Mercator's projection includes native and allegorical figures, small inset maps, and Moll's invariable self-laudatory advertisement denigrating the 'old, inconvenient and falsely-projected' maps of others. (Eiddon Morgan, £1,250).

57. JACQUES NICOLAS BELLIN Paris, 1748 [c. 1780]. A notable French hydrographer, Bellin produced clear and accurate maps for his time. This world map dated 1748 is however of later date as it has been amended to show a post-Cook New Zealand. (Lent by a member of IMCoS).

58. JACQUES NICOLAS BELLIN Paris or Germany, after 1748. Of earlier date than exhibit 57, this map by or after Bellin has extensive annotations of discoveries in French and German. In particular it marks the voyages of Admiral Anson (1740-1744). (Lent by a member of IMCoS).

59. ANTONIO ZATTA Venice, 1774. Zatta's map on Mercator's projection from his *Atlante Novissimo* shows the routes of Bougainville (1766 and 1769) and the early voyages of Cook. New Zealand is, however, very distorted. (Jonathan Potter, £180).

60. JEAN BAPTISTE CLOUET Paris, 1775. A French production in grand artistic style, with an architectural backdrop and emblems of military power, culture and the arts. Possibly an earlier plate as the explorations of Tchirikov and De L'Isle in the north-west appear to be additions. (Tooley Adams, £1,250).

61. GEORGE MILLAR London, 1782. Gracefully bordered by garlands, Millar's world map is as up-to-date as could be expected for its time. It is one of the first to show the tracks of all of Cook's voyages. (Edna Whiteson, £70).

62. JOHN STOCKDALE London, 1785. Stockdale's map, engraved by Hatchett, was prepared for an edition of Cook's voyages. The exploits of Cook in the Pacific led to many maps, like this one, being centred on Australasia. (Jonathan Potter, £85).

63. THOMAS BOWEN London, c. 1785. Another map on Mercator's projection displaying the tracks of Captain Cook; also of Phipps' exploration of Spitzbergen in 1773. 'O Whyhee' (Hawaii) is marked as the place where Cook was killed. (Lent by a member of IMCoS).

III. WORLD MAPS AND THE DECORATIVE ARTS

64. WILLEM J. BLAEU Amsterdam, 1606. The world maps on Mercator's projection by Blaeu and Keere both originate in the early 1600s, Keere's map (exhibit 65) copying that of Blaeu. The vivid border vignettes make them among the most distinguished and attractive world maps of the century. Blaeu's plate was revived for his *Atlas* from 1630 onwards, from which the example exhibited comes. Shirley 255. (Lent by a member of IMCoS).

65. PIETER VAN DEN KEERE Amsterdam, 1608. Keere's world map on Mercator's projection had a long life as it was re-issued by Jansson in the 1630s and then amended by Moses Pitt in 1680 (exhibit 78). Very similar in most respects to Blaeu's map (exhibit 65), Keere's map is less commonly found and retains a loxodromic network. Shirley 264. (Lent by a member of IMCoS).

66. PIETER VAN DEN KEERE Amsterdam, c. 1611. One of the truly outstanding wall maps of the world produced in the Netherlands in the first decades of the 17th century. The wealth of decorative and informative detail within the map's cartouches and in the border warrants almost microscopic study. (Photoprint courtesy the Sutro Library, San Francisco; lent by a member of IMCoS).

67. JODOCUS HONDIUS Amsterdam, 1617. One of the earliest Dutch world maps with rich border decorations of seasonal and allegorical scenes. The mastery of Hondius' presentation and engraving is evident, and this rare work became the prototype for a whole series of derivatives. Shirley 296. (Lent by a member of IMCoS).

68. HENRICUS HONDIUS Amsterdam, 1630. Henricus Hondius' brilliant world map epitomises the rich baroque decoration typical of the time. The author's father Jodocus Hondius and his mentor Gerard Mercator are depicted in the two lower portraits. Later states have the imprint of Jan Jansson, the publisher of the Mercator-Hondius *Atlas* in which this map appeared from 1633 onwards. Shirley 336. (Tooley Adams, £1,650).

69. HENRI LE ROY Paris, 1636. Jodocus Hondius is the acknowledged source for this French map, published by Michael van Lochum. It was included in atlases by Nicolas Tassin and in D'Avity's *Le Monde*. Shirley 341. (Tooley Adams, £2,300).



4. Hondius 1617 Exhibit 67

70. CLAES JANSZOON VISSCHER Amsterdam, 1639. Visscher's world map, on Mercator's projection, has magnificently decorated borders, including mounted Roman emperors, panels of national figures, vignettes of towns and allegorical figures of the continents. The map is rare because it was printed separately and never included in an atlas. Shirley 350. (Lent by a member of IMCoS).

71. NICOLAAS J. VISSCHER Amsterdam, 1658. Visscher's new and imaginative world map first published in his *Novus Atlas* of 1658, was the forerunner of many decorative Dutch maps. Classical scenes by Berchem grace the four corners. Shirley 406. (O'Shea Gallery, £1,250).

72. FREDERICK DE WIT Amsterdam, 1660. This, the first of several world maps by De Wit, follows the Hondius (1630) map in its rich baroque decoration. It was used by Doncker in editions of his *Zee-Atlas* from 1660 onwards. Shirley 421. (Lent by a member of IMCoS).

73. FREDERICK DE WIT Amsterdam, 1668. Prepared for his atlas of sea charts, De Wit's maritime map has superbly etched corner decorations allegorically representing the four elements. It is one of the finest of Dutch world maps and was created by the engraver and artist Romeyn de Hooghe. Shirley 444. (Lent by a member of IMCoS).

74. FREDERICK DE WIT Amsterdam, c.1670. Another brilliant decorative piece is De Wit's terrestrial world map, with composite images of the seasons, the elements and the signs of the zodiac in the corners. Usually the first general map in De Wit atlases, it is also to be found in composite atlases of the time. Shirley 454. [Lent by a member of IMCoS).



5. Visscha 1639 Exhibit 70

75. JOHN OVERTON London, 1670. In acquiring the stock of Peter Stent, Overton took over an earlier world map by him. To the central hemispheres Overton added new top and bottom borders of paired figures. Although not a masterly engraving the resultant map has a quaint appeal. Shirley 456. (Tooley Adams, £3,000).

76. PIETER GOOS Amsterdam, 1666. The marine atlases of Goos were held to be the finest among printed at the time. Goos' general map is of like quality. At the top of the map birds (including a goose) fly in the rays of the sun; at the bottom there is a graceful composition representing the four seasons. Shirley 438. (Lent by a member of IMCoS).

77. MOSES PITT Oxford, 1960. There were two general maps in Moses Pitt's unfinished *English Atlas* of 1680, neither of them original. The double-hemispherical world map is taken from an earlier plate by Van Loon of 1666 still bearing his name. The only addition is the royal coat-of-arms. Shirley 439. (O'Shea Gallery, £1,250).

78. MOSES PITT Oxford, 1680. Moses Pitt also took over from Jan Jansson the 1608 plate by Pieter van den Keere on Mercator's projection (exhibit 65). Extensive amendments update the map geographically and there is a new dedication to the Bishop of Oxford. Shirley 504. (Lent by a member of IMCoS).

79. CAREL ALLARD Amsterdam, before 1683. Carel Allard's first world map, a separate publication, is rare. The rich corner decorations follow those in De Wit's map displayed in exhibit 74. Shirley 517. (Lent by a member of IMCoS).

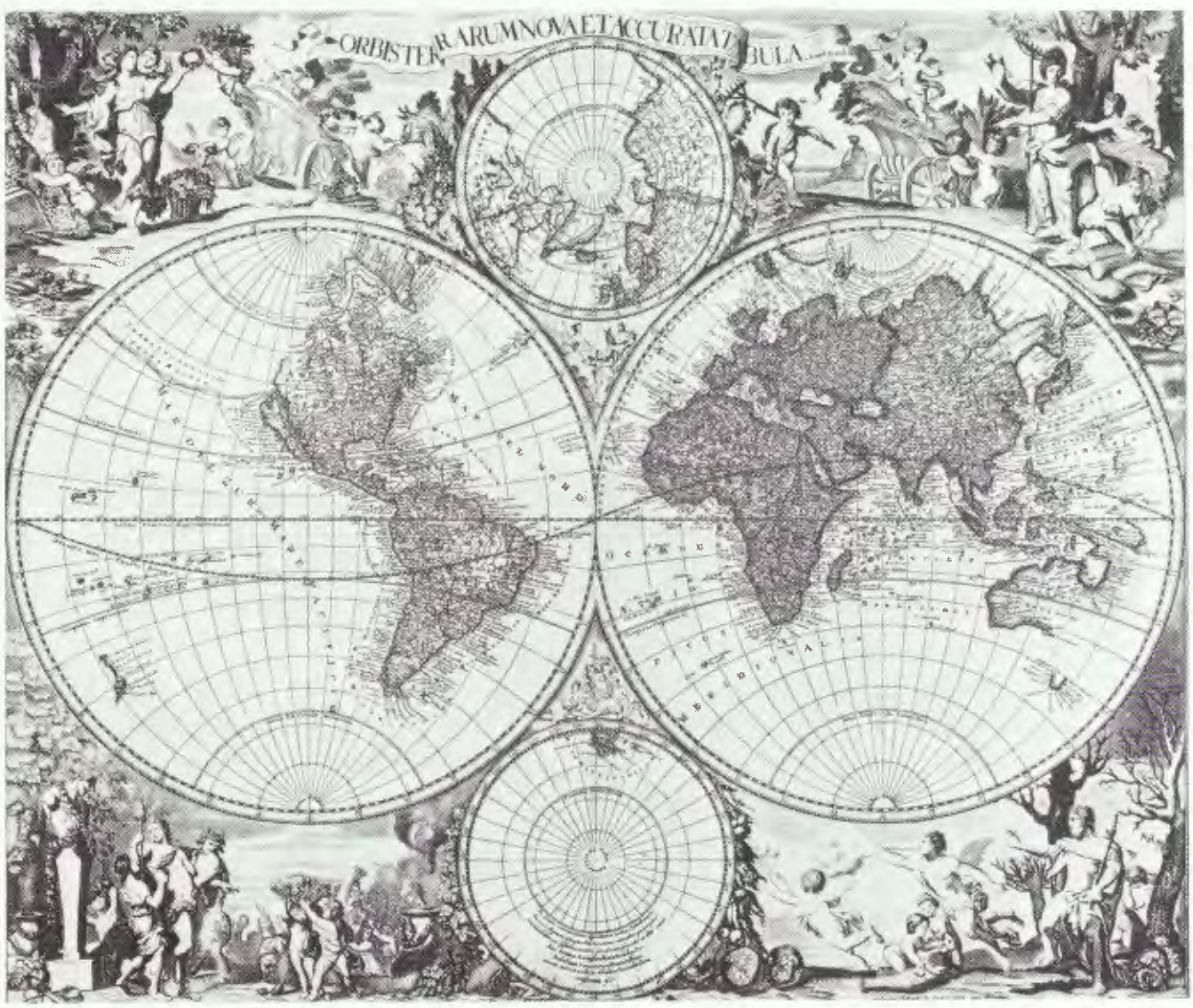
80. JOHANNES DE RAM Amsterdam, 1683. One of the most magnificent and resplendent of Dutch world maps, with a complex panorama of the heavens above the two hemispheres and a vista of allegorical figures and animals below. Scarce. Shirley 519. (Lent by a member of IMCoS).

81. ADRIAN AND PETER SCHOONEBECK Amsterdam, 1695. A most unusual map in that all the lettering is in Armenian. It was printed by Armenians in Amsterdam for the benefit of their compatriots worldwide; the vivid border and large scale place it among the grandest world maps of the time. Shirley 575. (Photoprint courtesy the British Library; lent by a member of IMCoS).

82. JOAN BLAEU – GERARD VALCK Amsterdam, c. 1672 [c. 1695]. Although this map was published by Valck in the 1690s it was in fact originated by J. Blaeu twenty years earlier. Relatively few maps are known displayed on twin north and south polar projections. The scenes across the lower part of the map are of Adam and Eve before and after the Fall. Shirley 459. (Lent by a member of IMCoS).

83. GERARD VALCK Amsterdam, c. 1686. Gerard Valck is believed to have prepared this world map in the mid-1680s. There are lively corner pictures of the changing seasons, each representing a festive scene. No state is known with the top title banner completed. Shirley 531. (Jonathan Potter, £1,280).

84. GERARD AND LEONARD VALCK Amsterdam, c. 1700 (or later). Gerard's son Leonard joined with him in preparing this updated world map. The same lively corner scenes are used as on Valck's earlier map. Shirley 638. (Lent by a member of IMCoS).



6. G & L Valck c1700 Exhibit 84

85. VINCENZO CORONELLI Venice, 1691. Coronelli's work is always of a high standard, these two hemispheres being no exception. They were prepared for his *Atlante Veneto* and sometimes the circular maps (without borders) are found separately. Shirley 548. (Jonathan Potter, £1,350 (pair)).

86. ANON Paris, c. 1700 [c. 1763] For its size, an immense amount of detail and brilliant decoration is combined in this French map with symbolical vignettes depicting trade, learning, industry and culture. The example exhibited is a later state with the imprint of Desnos recording the discoveries of Tchirikov and De L'Isle in the 1740s. (Lent by a member of IMCoS).

87. PIETER VAN DER AA Leiden, 1710. One of Van der Aa's first world maps was published in his *Les Indes Orientales et Occidentales* of 1710. The graphic corner pictures echo those of a century earlier. (Tooley Adams, £350).

88. PIETER VAN DER AA Leiden, 1713. Van der Aa's large map is a splendid example of bold Dutch engraving. An eagle surmounts the hemispheres which are flanked by groups of allegorical figures, animals and putti. Below, a marble monument is placed between evocative landscapes of the four continents. (Eiddon Morgan, £1,750).

89. PIETER VAN DER AA Leiden, 1714. Van der Aa's smaller world map, with figures in the corners representing the continents, comes from his *Atlas Nouveau et Curieux.* (Rodney W. Shirley, £145).

90. ANON Rome? c. 1740? Two voluptuously decorated hemispheres from an unidentified Italian edition of De l'Lisle's *Atlas.* The map is signed by the artists Piaceta and Giampicoli. (Jonathan Potter, £320).

91. LONGCHAMPS & JANVIER Paris, 1754. A magnificent wall map in grand style, with biblical vignettes forming a richly ornamental border. Derived from Nolin's large world map—a tour-de-force of the early 1700s—this map probably hung in a nobleman's hall or in an office of state. (The Holland Press, £3,000).

IV. SCIENCE AND CARTOGRAPHY IN TRANSITION

92. JODOCUS HONDIUS Amsterdam, 1607. One of the first examples of thematic representation, with the prevalence of the Christian, Moslem and idolatrous religions being marked by means of small symbols. From the Mercator-Hondius *Atlas Minor.* Shirley 260. (Lent by a member of IMCoS).

93. JEAN BOISSEAU Paris, 1636. The earliest recorded map by this French geographer, genealogist and illuminator of maps. Instead of the customary allegorical scenes, Boisseau has surrounded his map with instructional and scientific features. The example displayed has, in addition, flanking descriptive text. Shirley 340. (Tooley Adams, £2,750).

94. J. BATTISTA CAVAZZA Bologna, 1642. Cavazza has copied the entire centre portion of Visscher' world map (exhibit 70), even to the incorrect date of Columbus' first voyage. Designed for instructional purposes, the two side bracchia were intended to be cut out and used for diurnal measurement. Shirley 357. (Tooley Adams, £2,500).

95. NICOLAAS J. VISSCHER Amsterdam, 1657. Bibles were often illustrated with maps. This and the following six entries describe world maps found in Dutch or English bibles of the 17th and 18th centuries. Visscher's mid-century prototype was copied by many successive publishers. Shirley 401. (Lent by a member of IMCoS).

96. DANCKER DANCKERTS Amsterdam, 1658. A rare map, perhaps unique, signed by Dancker Danckerts. Figures derived from Visscher (exhibit 95) surround an unidentified oval map dating from the early 1600s. Shirley 403(A). (Lent by a member of IMCoS).

97. ANON Amsterdam, c. 1660. An anonymous map copied from Visscher's prototype (exhibit 95), with the addition of New Zealand. Shirley 414. (Lent by a member of IMCoS).

98. DANIEL STOOPENDAAL Rotterdam, c. 1680 (or later). Another bible map by Stoopendaal copying Visscher was sold by the Keur publishing family for many years. Shirley 498. (Jonathan Potter, £580).

99. F. von JAGEN Amsterdam, c. 1730. Jagen's bible map, especially finely engraved, is an example of the same genre from the 18th century. (Lent by a member of IMCoS).

100. JOSEPH MOXON London, 1671. Moxon's biblically-inspired map shows how the tribes of Noah were dispersed throughout the world after the Flood. The border vignettes offer their own devotional commentary. Shirley 457. (Lent by a member of IMCoS).

101. PIERRE MORTIER Amsterdam, c. 1700. Mortier's smaller world map on Mercator's projection may also come from a biblical source. Jan van Luchtenburg was the engraver. Shirley 622. (Jonathan Potter, £250).

102. HEINRICH SCHERER Munich, c. 1700. A number of maps from Scherer's *Atlas Novus* exemplify religious themes; several are also unusual in their presentations on a north polar projection. The first such map shades the spread of the Catholic religion, with a symbolical vignette of the separation of the sheep and the goats. Shirley 628. (Lent by a member of IMCoS)

103. HEINRICH SCHERER Munich, c. 1700. The locations of Jesuit missions throughout the world are marked by a shining star; in the corners are portraits of four early Jesuit saints. Shirley 629. (Lent by a member of IMCoS)

104. HEINRICH SCHERER Munich, c. 1700. A personification of the Virgin Mary presides over a world map marking Catholic missions. Shirley 630. (Lent by a member of IMCoS)

105. HEINRICH SCHERER Munich, c. 1700 An explorer's map, showing the route around the world of Magellan. To the left is a fine vignette of his ship, the *Victoria*. Shirley 626. (Lent by a member of IMCoS)

106. HEINRICH SCHERER Munich, c. 1700. Another navigational map, showing routes to the East by the Cape of Good Hope and across the Pacific. Note the spurious route traversing the north-east passage. Shirley 631. (Lent by a member of IMCoS)

107. HEINRICH SCHERER Munich, c. 1700. Scherer's set of twelve globe gores is dated 1700 but, like the accompanying maps, they were only published with the volumes of the *Atlas Novus* between 1702 and 1710. Shirley 633. (Lent by a member of IMCoS)

108. ATHANASIUS KIRCHER Amsterdam, 1665. One of the earliest physical maps showing the ocean currents, chasms and volcanoes as then recorded. From Kircher's *Mundus Subterraneus*. Shirley 436. (J. A. L. Franks, £270).

109. JOHANN ZAHN Nuremberg, 1696. Another semi-scientific map displaying the ocean currents, abysses in the sea and volcanoes on land. From Zahn's *Mundus Mirabili*. (Jonathan Potter, £460).

110. RICHARD BLOME London, 1678. One of the plates from Blome's encyclopedia of the arts and sciences, the *Gentleman's Recreation*, brings together the world and all the branches of geography for topical instruction. Shirley 479. (Lent by a member of IMCoS).

111. EDWARD WELLS Oxford, 1700-1701. This and the next exhibit are two delightful maps produced for instructional purposes. Wells' map of the classical world links the Americas with the lost Atlantis of the ancients. Shirley 608. (Rodney W. Shirley, £420 for both maps).

112. EDWARD WELLS Oxford, 1700-1701. Wells' 'modern' world. Both of his maps include views of Oxford with a young student and his tutor at lessons under a tree. The student is almost certainly the eleven-year old William, Duke of Gloucester, one of the short-lived sons of Queen Anne. Shirley 609. (Rodney W. Shirley, £420 for both maps).

113. HENDRIK DONCKER and JACOB ROBYN Amsterdam, 1687. An unusual and imaginative four-sheet wall map on a single north polar projection, inspired by the large circular map laid out by Jean-Dominique Cassini on the floor of the Paris Observatory. Cassini's map, eight metres in diameter, was based on sightings of eclipses of the satellites of Jupiter for the more precise determination of longitude. Shirley 534. (Photograph lent by a member of IMCoS).

114. CORNELIS DANCKERTS Amsterdam, c. 1700. In 1696 Robyn produced a one-sheet version of Cassini's circular map which was re-issued by Danckerts. The vivid corner pieces were probably engraved by Harrewyn. Shirley 582. (Lent by a member of IMCoS)

115. PIETER VAN DER AA Leiden, c. 1712. An even more impressive derivative of Cassini's map was prepared jointly by Van Gouwen, Goree, and Schoonebeck for publication first by Francis Halma and then by Pieter van der Aa. (Lent by a member of IMCoS).

116. LOUIS RENARD Amsterdam, 1715. The figure of Atlas supports the whole world in circular form in this general map from Renard's *Atlas de la Navigation*. (Lent by a member of IMCoS).

117. CAREL ALLARD Amsterdam, 1696. In contrast to his earlier world map (exhibit 79), Allard has eschewed decoration in favour of astronomical diagrams and eight circular projections presenting the world from various angles. The map appeared in Allard's *Atlas Minor* and in atlases by other map-makers. Shirley 578. (Intercol, £400).

118. ADAM FRIEDRICH ZÜRNER Amsterdam, c. 1700 (or later). Zürner's world map – published by Pieter Schenk – almost dazzles the viewer with its supplementary information. As well as many explorers' routes, there are pictures of natural phenomena and no less than twenty-six smaller diagrams and hemispheres. Shirley 639. (Lent by a member of IMCoS).

119. JOHANN BAPTIST HOMANN Nuremburg, c. 1707. Homan's world map, like that of Zürner, includes scenes of vortices, volcanoes and earthquakes. It was produced for his *Novus Atlas.* (Lent by a member of IMCoS).

120. CHRISTOPHER WEIGEL Nuremberg, c. 1720. Weigel's world map is very similar to that by his contemporary Homann (exhibit 119) but is reduced in size. (Jonathan Potter, £185).

121. JOHANN HÜBNER Leipzig, 1722. A display of scientific instruments and natural phenomena surrounds the two unsophisticated hemispheres of Hübner's uncommon small world map. (Lent by a member of IMCoS).

122. MATTHÄUS SEUTTER Augsburg, 1728. Seutter, one-time apprentice of Homann, continues the Germanic tradition with this boldly engraved world map. In spite of the 'modern' projectional diagrams, human windheads are still employed to denote the classical winds. (Eiddon Morgan, £850).

123. HOMANN'S HEIRS Nuremberg, 1746. A less dramatic but more scientific world map than Homann's original was published by his heirs in 1746. Credit is given to the researches of Hasius and Lowitz. (Intercol, £200).

124. JOHANN GABRIEL DOPPELMAYER Nuremberg, 1742. Published by Homann, Doppelmayer's map is an important record, graphically and by means of tables, of all locations whose coordinates had been determined with astronomical exactitude. Note too the amusing vignettes of scientific observations under way. (Lent by a member of IMCoS).

125. R. and I. OTTENS Amsterdam, c. 1740. The influence of Edmond Halley's pioneering isogonic world map of 1702 was widespread. Ottens' full-size version faithfully copies all Halley's observations of the earth's magnetic variations. (Thomas E. Schuster, £650)

126. HERMAN MOLL London, c. 1720. Edmond Halley's prototype wind map of 1686 has been followed by Moll in depicting the 'General and Coasting Trade Winds, Monsoons & Shifting Winds.' (The Map House, £80).

127. HERMANN MOLL London, c. 1720. A hemispherical map by Moll also shows the trade winds; the panorama at the bottom has the symbolic figure of Europa showering bounty on the grateful natives of other continents. (The Map House, £160).

128. PHILIPPE BUACHE Paris, 1740. A map on Mercator's projection with tables showing the variation of the oscillations of a pendulum with latitude, as observed by Newton, Bradley and Maupertuis. Published for the French Royal Academy of Sciences. (Jonathan Potter, £38).

129. ANON London, c. 1760. An unusual British world map on the north polar projection setting out the speculative theories of Buache concerning the chains of mountains that traverse the globe under the sea. (Jonathan Potter, £72).

130. JACQUES BELLIN Paris, 1765. Bellin's important chart of the earth's magnetic variations was based on the adjusted observations of Moutaine and Dodson published in the *Philosophical Transactions* of 1757. The chart seems to have been a separate publication, not included in Bellin's *Neptune Françoise* or *Hydrographie Françoise.* The example exhibited carries an (erased) later date. (Lent by a member of IMCoS).

131. N. JAUGEON Paris, 1688. Jaugeon's large and complex map is a compendium of geographical and astronomical information, exemplifying the current French mode for didactic presentation. The same style was to be copied by other map-makers; compare, for instance exhibits 135 and 136 dating from 120 years later. (Reduced-size facsimile lent by a member of IMCoS).

132. ANON London, 1807. The highly ornate panelled border to this map, and the embroidered spandrel panels, all contain a wealth of scientific information. Although dated 1807 with the publisher's name G. Thompson, certain geographical details and the general style suggest that the plate originated several decades earlier. (Intercol, £1,200).

133. ANON London, c. 1807. Another copy of the map exhibited as no. 132, this time undated. On both copies the erased imprint of R. Wilkinson (flourished 1794-1816) can be discerned. It is a coincidence that two examples of a hitherto unrecorded map surface for the same exhibition. (Lent by a member of IMCoS).

V. THE 19th AND 20th CENTURIES

134. JOHN CARY London, c. 1800. Although plain and lacking decoration, Cary's maps are sought after for their craftsmanship and clarity of engraving. (Intercol, £60).

135. R. SCOTT Edinburgh, 1806. On this small conventional world map the east and south coastline of Australia is still undefined. (Intercol, £20).

136. C. V. LAVOISNE Paris or London, c. 1830. A historical map of the world with many inscriptions, printed by R. Juigné. From Lavoisne's *Genealogical, Historical and Chronological Atlas,* first published in 1820. (Jonathan Potter, £48).

137. JAMES GILBERT London, 1839. The best Victorian maps matched instruction with attractive presentation. Gilbert's is of this genre, with comparative charts of the mountains and rivers. British Empire red can be seen spreading throughout the globe – but not yet embracing the Falkland Isles which are tinted in the same orange as adjacent Patagonia. (Lent by a member of IMCoS).

138. W. & A. K. JOHNSTON London, 1848. The firm of W. & A. K. Johnston published the first English atlas of climatic, physical and other thematic maps. This sheet with seven charts of the earth's magnetic variations since 1780 is typical in its representation of scientific detail. (Lent by a member of IMCoS).

139. F. A. GARNIER Paris, 1860. A further isogonic chart with attractive colour tinting by the French publisher Garnier. It was included in his *Atlas Spheroidal* of 1860. (Lent by a member of IMCoS).

140. A. VUILLEMIN Paris, 1847. A small French double-hemispherical world map. Contrary to normal practice the western hemisphere is placed on the right. (Intercol, £35).

141. THOMAS KELLY London, c. 1850. Although the title refers to 'The Tracts and Discoveries of the Latest Navigators' the most recent voyages marked on the map are those of Captain Cook (1769-1779). (Intercol, £20).

142. ANON London?, c. 1850. This unusual world map displays, at the top, 29 portraits of the 'Principal Varieties of the Human Race' and, at the bottom, 29 full length 'Female Costumes of Different Parts of the World.' (Jonathan Potter, £175).

143. AUGUSTUS PETERMANN London, c. 1850. As the title says, an 'Orographical Map of the Globe showing the Configuration and Physiognomy of its Surface'. Engraved by John Dower, the map is from Orr and Company's *Atlas of Physical Geography.* (Jonathan Potter, £36).

144. TALLIS & CO. London, 1851. These two hemispheres carry graceful vignettes of local people and animals, and on the eastern hemisphere the Royal Mail steamship route out to Australia and back is marked in blue. The maps were finely engraved by J. Rapkin for Tallis' *Illustrated Atlas* which was brought out to coincide with the Great Exhibition. (Lent by a member of IMCoS).

145. JOHN BARTHOLOMEW Edinburgh, 1856. A boldly patriotic map, 'The British Empire Throughout the World.' There are tables of the British possessions (marked in red on the map) and two panoramas of the natives of every country and settlement. Published by Fullarton. (Jonathan Potter, £95).

146. G. H. SWANSTON London, c. 1860. Also from Fullarton's atlas is this world map with panels showing the river basins, but excluding the Nile whose origins were still completely unexplored. A tableau at the bottom depicts mountain heights. (Lent by a member of IMCoS).

147. PELLERIN & CIE Paris, c. 1880. A 'tres jolie mappemonde,' as the title says, printed in gores which are ready to be cut out and folded to form a globe. An interesting aid for school children starting to study geography. (Lent by a member of IMCoS).

148. JOHN BARTHOLOMEW Edinburgh, 1921. The 'Mapping of the World' from *The Times' Atlas.* Twelve inset maps show cartographical progress from 450 BC to 1800 AD; on the central map which shades the world according to the accuracy of survey in 1921, two-thirds is indicated to be only at the sketch map stage, or unmapped. (Lent by a member of IMCoS).

149. NATIONAL GEOGRAPHIC SOCIETY Washington, 1928. Two modern maps present the discovery of the hemispheres in grandiloquent but informative early style. From original drawings by N. C. Wyeth. (Lent by a member of IMCoS).

150. UNICEF Oxford, 1984. A modern world map with a social and human message. Designed by Arno Peters in 1967, it shows countries more accurately in relation to their size, and calls for a new appreciation of how we view the Third World. (Lent by a member of IMCoS).

VI. SMALLER MAPS AND CURIOS

151. PETER APIAN Antwerp, 1524 [1550]. Often printed as a moveable volvelle, Apian's small circular map views the known world from the north pole. First printed in 1524, it appears in editions of his *Cosmographia* from 1544 onwards. Shirley 51. (Lent by a member of IMCoS).

152. JOHANN HONTER Zurich, 1546. Honter produced this heart-shaped miniature map for his popular *Rudimenta Cosmographica.* The monogram 'HVE' after *Tiguri* (Zurich) in the lower left-hand corner is of Heinrich Vogtherr the Elder who cut the woodblock. Shirley 86. (Lent by a member of IMCoS).

153. JOHANN HONTER Zurich, 1546. A small circular globe appears on the title-page of Honter's *Rudimenta Cosmographica.* (Lent by a member of IMCoS).

154. TOMMASO PORCACCHI Venice, 1572. A reduction of Camocio's large world map of 1567, itself derived from Gastaldi's prototype of 1546. From Porcacchi's widely-circulated atlas of islands. *L'Isole Piu Famose Del Mondo.* Shirley 127. (Tooley Adams, £100).

155. HEINRICH BÜNTING Magdeburg, 1581. The world is here fancifully portrayed centred on Jerusalem and in the form of a clover leaf, the emblem of Bünting's home town Hanover. Shirley 142. (Lent by a member of IMCoS).

156. HEINRICH BÜNTING Magdeburg, 1581. The second world map by Bünting and from his *Itinerarium* approximates to geographical reality. However, the shape of 'India Meridionalis' in the lower right-hand corner is not to be confused with Australia, as yet undiscovered by Europeans. Shirley 143. (Lent by a member of IMCoS).

157. PHILIPPE GALLE Antwerp, 1588. One of several miniature world maps after Ortelius, Galle's reduction in his *Epitome* proved highly popular and was reprinted in over a dozen editions and five languages. Shirley 161. (Lent by a member of IMCoS).



7. (Ortelius) Galle 1588 Exhibit 157

158. GIOVANNI MAGINI. Venice, 1596. There were three miniature 'modern' world maps in Magini's pocket-size Venetian atlas, all engraved by Girolamo Porro. The first is a masterly reduction of Rumold Mercator's world map of 1587. Shirley 194. (Lent by a member of IMCoS).

159. GIOVANNI MAGINI Venice, 1596. The second small map by Magini follows the oval projection popularised by Ortelius from 1570 onwards. Six windheads are arranged around the outer border. Shirley 195. (Lent by a member of IMCoS).

160. GIOVANNI MAGINI Venice, 1596. Magini has here adopted Mercator's outline of the world in the form of a mariner's map (. . . *ad usum navigantium*), criss-crossed by rhumb lines. One of the few obtainable sea charts of the sixteenth century. Shirley 196. (Rodney W. Shirley, £75).

161. BARENT LANGENES Amsterdam, 1598 [1604?]. This neat miniature, engraved and signed by Hondius, was originated by Langenes for his *Caert-Thresoor* in 1598. This printing – date unestablished – is from a title-page by the Amsterdam publisher Cornelis Claesz. Shirley 211. (Lent by a member of IMCoS).

162. WILLIAM ROGERS London, 1598. Rogers' title-page map was engraved for the English translation of Linschoten's travels under the title *The Navigation of the Portingales* [Portuguese] *into the East Indies* . . . . Shirley 216. (Jonathan Potter, £140).

163. LASOR A VAREA Padua, [1598] 1713. Rosaccio's precisely-engraved map from his Venetian edition of Ptolemy, 1598, was re-issued many years later from Padua. The orientation of the continents is exaggerated by the use of parallel longitudinals. Shirley 217. (J. A. L. Franks, £130).

164. LEVINUS HULSIUS Frankfurt, 1598 [1606]. Hulsius' collection of the accounts of explorers' voyages, first published in 1598, included a neatly-engraved world map. The title-page of his *Indie Orientalische*, with a small circular map, is shown here. Shirley 210. (Lent by a member of IMCoS).

165. THEODOR DE BRY Frankfurt, 1599 [1613]. A title-page from De Bry's *Orientalischen Indien* showing the track of the circumnavigation of the world by Thomas Cavendish, 1586-88. Shirley 220. (Lent by a member of IMCoS).

166. JOHANN THEODOR DE BRY Oppenheim, 1601 [1619]. First published in 1601, this title-page celebrates Olivier van Noort's circumnavigation (1598-1601). Two natives of the Americas flank a portrait of Van Noort, with two small hemispheres. Shirley 229. (Lent by a member of IMCoS).

167. MICHEL COIGNET Antwerp, 1601. Coignet presented his miniature world using Mercator's projection, a format used by few other cartographers of the time. Shirley 230. (Lent by a member of IMCoS).

168. LASOR A VAREA Padua, 1601 [1713]. In spite of the dated title this miniature map is in fact a late Italian reprint. The original plate was engraved for Jan Baptist Vrients' printing of Ortelius' *Epitome* in 1601. Shirley 231. (Lent by a member of IMCoS).

169. WALTER RALEIGH London, 1614. Renold Elstrack engraved this strange title-page to Raleigh's *History of the World*, where the picture of the globe itself is subservient to the supporting allegorical figures and symbols. (Lent by a member of IMCoS).

170. PETRUS BERTIUS Amsterdam, 1616. Jodocus Hondius' name, as the true author of this neatly-engraved miniature, is boldly placed below the two hemispheres. It comes from Bertius' small atlas, the *Tabularum Geographicarum* of 1616. Shirley 290. (Lent by a member of IMCoS).

171. JODOCUS HONDIUS. London, 1637. The plates for the 1607 Hondius-Mercator *Atlas Minor* were re-issued in the 1620s and 1630s in London. Hondius' distinctive pocket-size map world remained unchanged for these later editions. Shirley 259. (J. A. L. Franks, £125).

172. MATTHAUS MERIAN Frankfurt, 1641. This pocket-size map is attributed to Merian, who was the printer of Garzoni's *Piazza Universale* where this map appears. Merian's larger world map is displayed as exhibit 43. (Jonathan Potter, £260).

173. JEAN BOISSEAU Paris, 1643 (or later). A small French map in two hemispheres, probably from a later printing of Boisseau's popular *Trésor des Cartes.* Shirley 359. (Rodney W. Shirley, £55).

174. PHILIP CLUVER Amsterdam, 1676. One of several world maps that may appear in posthumous editions of the works of the classical scholar Philip Cluver. Allegorical figures enliven the cusps and corners. Shirley 473. (Lent by a member of IMCoS).

175. ROBERT MORDEN London, 1680. Morden's small world map comes from his pocket atlas *Geography Rectified.* Shirley 503. (Edna Whiteson, £150).

176. GIUSEPPE ROSACCIO Bologna, 1688 [1724]. A late woodcut map, copying the block cut for Rosaccio in 1595. From an 18th century edition of his *Teatro Del Mondo.* Shirley 540. (J. A. L. Franks, £140).

177. VINCENZO CORONELLI Venice, 1696 [1699]. These 24 half-gores were intended to be made up into a large globe 1½ feet in diameter. Like Coronelli's globe gores of 1688 from which these are copied, the engraving is meticulous and the many small scenes on land and sea brilliantly executed. There is a companion set of celestial gores. Shirley 580. (Thomas E. Schuster, £5,000 for both gore sets, celestial and terrestrial).

178. CHRISTOPHER WEIGEL Nuremberg, 1724. A pocket-size map by Weigel, probably from his *Atlas Portabilis* of 1724. (Lent by a member of IMCoS).

179. P. ANSELM DESING Nuremberg? 1733. The miniature general map from Desing's rare *Kinder-Atlas* of 1733. (Lent by a member of IMCoS).

180. JAN DE LAT Deventer, c. 1740. De Lat's small world map comes from one of his pocket atlases published in association with Jacob Keizer. The unusual north and south tilted projections are surrounded by astronomical diagrams. (Lent by a member of IMCoS).

181. ANON London, 1755. A plain but informative world map from the *Gentlemen's Magazine* of 1755. Note the extent of the British colonies in North America, including 'New Albian' in the West. (Lent by a member of IMCoS).

182. THOMAS CORDEN London, 1778. In spite of its unsophistication, this British world map from the late 18th century has much interesting detail. Note the marking of the prevailing winds; also the firm assertion 'British Empire' across the western coastline of North America. (Lent by a member of IMCoS).

183. GEORGE POCOCK Bristol, 1830. A most unusual inflatable globe, 12 feet in circumference when blown up but only 8½ inches square when folded and packed in its box. George Pocock, the inventor of this ingenious 'Multum in Parvo' globe was a Bristol schoolmaster and grandfather of W. G. Grace, the cricketer. (O'Shea Gallery, £1,250).

184. ANON London, c.1840. An unidentified sheet, perhaps a title-page. The world is surrounded by emblematical females symbolising the continents. (Lent by a member of IMCoS).

185. Eastern Telegraph globe ashtray, with an exhortation to send a telegram. (Lent by a member of IMCoS).

186. Money box globe. (Lent by a member of IMCoS).

187. Cartographer's travelling inkwell with brass inserts. (Lent by a member of IMCoS).



8. Globe curiosa Exhibits 187, 188 and 189

188. Another cartographer's inkwell in the form of an opening globe, smaller than exhibit 187. (Lent by a member of IMCoS).

189. Clark & Co. opening globe to hold sewing cottons, on a stand. (Lent by a member of IMCoS).

190. Souvenir globe made for the Coronation of Edward VIII in 1937 marking 'The Empire on which the sun never sets.' (Lent by a member of IMCoS).

191. 'Moutarde forte aux vinaigres' – a French porcelain globe advertising Amora mustard. (Lent by a member of IMCoS).

192. Rowntree & Co: another advertising globe. (Lent by a member of IMCoS).

193. Miniature globe on a turned stand. (Lent by a member of IMCoS).

194. A globe pencil sharpener. (Lent by a member of IMCoS).

195. A tiny Victorian silver pencil in the form of a globe, with attachment ring. (Lent by a member of IMCoS).

196. Carlton porcelain Swanage globe. (Lent by a member of IMCoS).

197. Globe nestling inside 'egg' box. (Lent by a member of IMCoS).

198. A pair of heavy hemispheres, probably designed as paper weights. (Lent by a member of IMCoS).

199. JUBILEE PLATE, 1887. A plate commemorating the Jubilee of Victoria, Queen and Empress, with the British Empire coloured red in the map of the world. A proud reminder of Imperial days. (Lent by a member of IMCoS).

200. THE GAME OF FLAGS/QUARTETTE. Cartography and card playing have been linked since William Bowes' pack of English counties of 1590. These two packs of cards from 1896 and 1930 respectively are more modern counterparts. (Lent by a member of IMCoS).

201. BOAC IN-FLIGHT GIFT. An unusual curiosity in the form of a fan, opening out to display BOAC routes across the world. (Lent by a member of IMCoS).

202. CARTOON FROM 'THE TIMES.' Images of the world still serve cartoonists well in the 1980s. Here, accompanying an article by Lord Lever on the mounting international debt problem, a bulging over-expanding world shakes its empty pockets. (Lent by a member of IMCoS).

203. CARTOON FROM 'THE TIMES.' Another cartoon transposes the world – centred of course on the Mediterranean – into the brain of the historian Fernand Braudel. From a review of volume 3 of his 'Civilisation and Capitalism.' (Lent by a member of IMCoS).

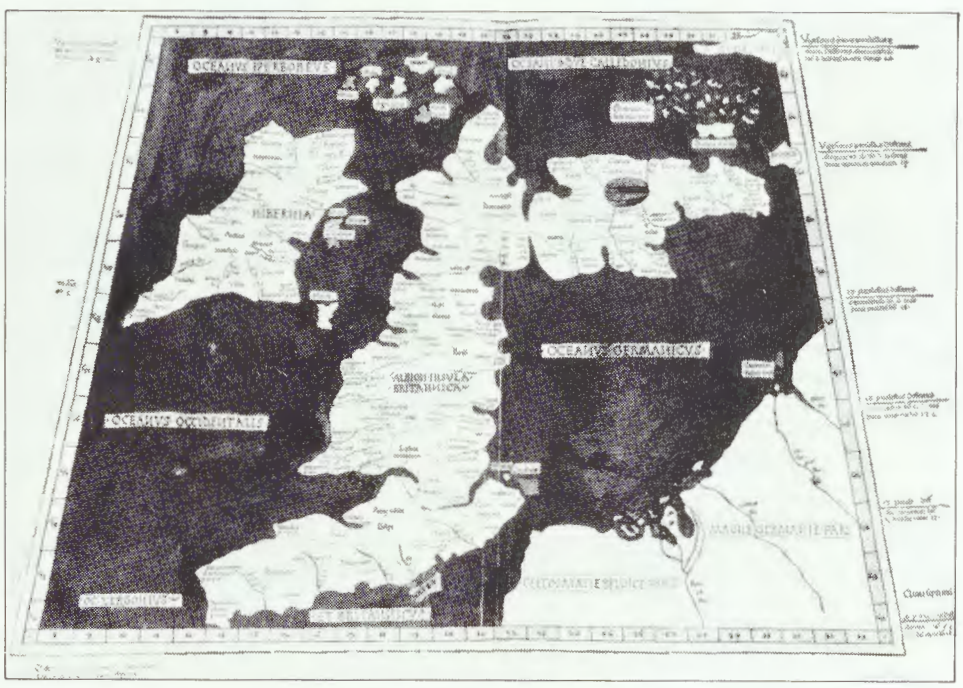
ACKNOWLEDGEMENTS

Grateful thanks are due to all those who have contributed towards the successful staging of this exhibition. As well as the maps listed individually for sale in the catalogue of entries, maps have been kindly lent from the collections of the following IMCoS members: Douglas Adams, Cyrus Ala'i, Alan Bartlett, Yasha Beresiner, Mrs. Green, Richard Leech, Werner Löwenhardt, Bruce Marsden, Don McGuirk, Eiddon Morgan, Raymond O'Shea, Jonathan Potter, Rodney Shirley, Clifford Stephenson, Eva Wajntraub, David Webb, Malcolm Young, and other collectors who wish to remain anonymous. We very much appreciate their response.

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Clive A. Burden Ltd	**11**	46 Talbot Road, Rickmansworth, Herts. WD3 1HE Tel: 0923 778097	Specialist supplier of maps, topographical prints, natural history to the trade throughout the world. Owners of VANITY FAIR Collection.
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Mrs. D. M. Green	**8**	7 Tower Grove, Weybridge, Surrey KT13 9LX Tel: Walton-on-Thames 241105	Postal dealer in G.B. County maps, supplying the trade on a regular basis, and searching for collectors' special requirements. Stock can be viewed by appointment.
InterCol London	**24**	1A Camden Walk, Islington Green, London N1 8DY Tel: 01-354 2599	Maps of world esp. British counties, also cartographical and other playing cards and literature, also old paper money specialists and related books.
Leycester Map Galleries	**12**	Tony Forster, Well House, Arnesby, Leicester, LE8 3WL Tel: 053 758 462	Antique maps and atlases of all parts of the World.

ALPHABETICAL LIST OF EXHIBITORS

Name & Stand No.		Address & Tel. No.	Speciality
R. Loose	**22**	Papestr 3, 2513 AV Ben Haag, Holland. Tel: 31 70 460404	Medium-sized stock of engraved maps and prints (40,000), all regions, all ages.
Magna Gallery	**2**	41 High Street, Oxford Tel: 0865 245805	Antique maps and prints, esp. English County maps. Large-scale maps and views of the colleges and buildings of Oxford.
The Map Collector	**10**	'The Map Collector' 48 High Street, Tring, Herts. Tel: Tring, 4977	The 'Map Collector' is a journal for lovers of early maps, (quarterly) annual subscription, £20.00 (U.K.), £22.00 all other countries.
Eiddon Morgan	**20**	Laburnums, Heronsgate, Rickmansworth, Herts. WD3 5DB Tel: 09278-2786	British and Foreign maps, early atlases, celestial charts, topographical and decorative prints.
Brendan Moss	**25**	5637 Wallace Street, Vancouver, Canada V6H 2A1 Tel: 261 7108	Antique map and print dealers with Ortelius, Blaeu, Speed maps and atlases, etc.
Avril Noble	**13**	2 Southampton Street, Covent Garden, London WC2B 7HA Tel: 240 1970	16th to 19th C. maps of all parts of world. Large collection of maps in stock, and exhibit each month at Map Fair, Bonnington Hotel.
Northwood Maps Ltd.	**12**	71 Nightingale Road, Rickmansworth, Herts. Tel: 0923 772258	Rare, unusual and interesting maps of all parts of the world, from the 16th to 19th centuries.
Jonathan Potter Ltd.	**3**	1 Grafton Street, London W1X 3LB Tel: 01-491 3520	London's leading specialist map dealer with extensive stock of maps and reference books on the history of cartography, also atlases and globes. A.B.A.
Printed Page	**7**	2-3 Bridge Street, Winchester, Hampshire. Tel: 0962 54072	British county and World maps in lower priced categories (up to £50 each). World-wide postal service, colouring, conservation, mounting and framing.
Gotz-R. Schmidt	**21**	Antiquariat, Nernststr. 16, 2800 Bremen 33. Tel: 0421/25 62 42	Antique maps, atlases, prints.
Bernard Shapero	**17**	58 Davies Street, London W1 Tel: 493-0876	Antique maps, atlases and travel books.
Nicola Thomson	**15**	P.O. Box 122 London, SW16 1QX Tel: 01-677 1028	Wide range of 15th-19th C. maps covering all parts of the World.
Tooley, Adams & Co. Ltd	**5**	83 Marylebone High Street, London W1M 4AL. Tel: 01-486 9052	Dealers & trade suppliers in fine Antiquarian Atlases and maps of all parts of the world. A.B.A.
Waterloo Fine Arts Ltd.	**1**	Raffles, Bath Road, Woolhampton, Reading, U.K. Tel: 0734 713745	Specialities – West Indies, Americas – lists available most months from Trade Dept: 1 Cecil Court, London W??.
Edna Whiteson Ltd.	**23**	343 Bowes Road, London N11. Tel: 361 1105	Early maps and prints from 1600 to the early 1800's, covering all countries and all aspects.

A GUIDE TO LONDON

HISTORICAL LONDON

All Hallows-by-the Tower
Byward Street, EC4 (481 2928) Tower Hill tube. Open 9.30am-6pm Mon-Sat, 10am-6pm Sun.

Bank of England
Threadneedle Street, EC2. Bank tube.

Brompton Oratory
Brompton Road, SW1. South Kensington tube. Open 6.30am-9pm.

Buckingham Palace
SW1 (930 4832) Victoria St. James's Park tube.

Cenotaph
Whitehall, SW1. Charing Cross Westminster tube.

HMS Belfast
Symon's Wharf, Vine Lane, Tooley Street, SE1 (407 6434) London Bridge Tower Hill tube. Open 11am-5.45pm. £2, children £1.

Houses of Parliament
SW1 (Commons 219 4272, Lords 219 3107) Westminster tube.

Kensington Palace and Gardens
The Broadwalk, Kensington Gardens, W8 (937 9561) High Street Kensington or Queensway tube. Palace open 9am-5pm (last admission 4pm) Mon-Sat, 1-5pm Sun. £1, 50p children.

Monument
Fish Street Hill, EC3. Monument tube. Open 9am-5.40pm, 2-5pm Sun. 50p, children 25p.

Old Bailey
EC4 (248 3277) St Paul's tube. Open 10am-4pm (closed 1-2pm) Mon-Fri. Free, children must be over 14 years.

Royal Albert Hall
Kensington Gore, SW7 (589 8212). Knightsbridge and High Street Kensington tube.

Royal Courts of Justice
Strand, WC2 (405 7641) Temple tube. Open 9.30am-4.40pm Mon-Fri. Free.

Royal Mews
Buckingham Palace Road, SW1 (930 4832 ext 634) Victoria tube. Open 2-4pm Wed, Thur. 30p, children 15p (closed June 18-22).

Royal Opera House
Bow Street, WC2 (240 1066) Covent Garden tube. Information and bookings 240 1911 (10am-8pm).

Southwark Cathedral
SE1 (407 2939) London Bridge tube.

Speakers' Corner
Marble Arch tube. Sun pm.

St Katherine's Dock
(488 2400) Tower Hill tube.

St Paul's Cathedral
Ludgate Hill, EC4 (248 2705) St Paul's tube. **Crypt & Dome** Open 10am-4.15pm Mon-Fri, 11am-4.15pm Sat. Admission to both 75p, 35p children. Guided Tours: 11am and 2pm Mon-Sat. £2.50, children £1.25.

Stock Exchange
Entrance in Threadneedle Street, EC2 (588 2355) Bank tube. Open 10am-3.15pm Mon-Fri. Free.

10 Downing Street
SW1. Westminster tube.

Tower of London
EC3 (709 0765) Tower Hill tube. Open 9.30am-5pm Mon-Sat, 2-5pm Sun. £3, children £1.50. Admission to Crown Jewels 80p extra, 40p children.

MUSEUMS/GALLERIES

British Museum
Great Russell Street, WC1 (636 1555) Russell Square tube. Open 10am-5pm Mon-Sat, 2.30-6pm Sun. Free.

Chelsea Royal Hospital
Royal Hospital Road, SW3 (730 0161) Sloane Square tube. Open 10am-12noon, 2-4pm Mon-Sat; 2-4pm Sun.

Courtauld Institute Gallery
Woburn Square, WC1 (580 1015) Goodge Street and Russell Square tubes. Open 10am-5pm Mon-Sat, 2-5pm Sun. 50p, 25p concessions.

Guildhall Art Gallery
Guildhall, King Street, EC2 (606 3030) Bank tube. Open 10am-5pm Mon-Sat. Most exhibitions free.

Guildhall Clock Museum
Guildhall Library, Aldermanbury, EC2 (606 3030) Bank tube. Open 9.30am-4.45pm Mon-Fri. Free.

Historic Ship Collection of the Maritime Trust
East Basin, St Katherine's Dock, E1 (481 0043) Tower Hill tube. Open 10am-6pm (last admission 5pm). £1.60, 80p concessions.

Imperial War Museum
Lambeth Road, SE1 (735 8922) Lambeth North tube. Open 10am-5.50pm Mon-Sat, 2-5.30pm Sun. Free.

London Dungeon
28 Tooley Street, SE1 (403 0606) London Bridge tube. Open 10am-5.45pm daily. £3.50, children under 14, £2.

London Toy and Model Museum
October House, 21 Craven Hill, W2 (262 7905) Bayswater and Lancaster Gate tube. Open 10am-5.30pm Tue-Sat, 11am-5pm Sun. £1.50, children 50p.

London Transport Museum
39 Wellington Street, WC2 (379 6344) Covent Garden tube. Open 10am-6pm (last admission 5.15pm). £2, £1 children; under 5s and disabled free; family ticket for 2 adults, 2 children £4.80.

Madame Tussaud's Waxworks
Marylebone Road, NW1 (935 6861) Baker Street tube. Open 10am-6pm. £3.20, children & OAPs £1.80.

Museum of London
London Wall, EC2 (600 3699) Moorgate tube. Open 10am-6pm Tue-Sat, 2-6pm Sun. Free.

Museum of Mankind
6 Burlington Gardens, Piccadilly, W1 (437 2224) Piccadilly tube. Open 10am-5pm Mon-Sat, 2.30-6pm Sun. Free.

National Gallery
Trafalgar Square, WC2 (839 3321) Leicester Square tube. Open 10am-6pm Mon-Sat, 2-6pm Sun. Free.

National Portrait Gallery
St Martin's Place, Trafalgar Square, WC2 (930 1552) Leicester Square tube. Open 10am-5pm Mon-Fri, 10am-6pm Sat, 2-6pm Sun. Free.

Natural History Museum
Cromwell Road, South Kensington, SW7 (589 6323) South Kensington tube. Open 10am-6pm Mon-Sat, 2.30-6pm Sun. Free.

Planetarium
Marylebone Road, NW1 (486 1121) Baker Street tube. Opening hours vary – 'phone for details. £1.80, £1.15 children.

Queen's Gallery
Buckingham Palace Road, SW1 (930 4832) Victoria tube. Open 11am-5pm Tue-Sat, 2-5pm Sun. £1, 40p concessions.

Royal Festival Hall
South Bank, SE1 (928 3002) Waterloo tube. Open from 10am. Free.

Royal Mews
Buckingham Palace Road, SW1 (930 4832) Victoria tube. Open 2-4pm Wed, Thur, except when official duties necessitate closure. 30p, 15p concessions.

A GUIDE TO LONDON

Science Museum
Exhibition Road, South Kensington, SW7 (589 3456) South Kensington tube. Open 10am-6pm Mon-Sat, 2.30-6pm Sun. Free. Library, Imperial College Road, Open 10am-5.30pm Mon-Sat. Free.

Tate Gallery
Millbank, SW1 (821 1313) Victoria tube. Open 10am-6pm Mon-Sat, 2-6pm Sun.

Tower Bridge and Tower Bridge Museum
Tower Bridge, SE1 (407 0922) Tower Hill tube. Open 10am-6.30pm (last tickets 5.45pm). £2, £1 concessions.

Victoria and Albert Museum
Cromwell Road, SW7 (589 6371) South Kensington tube. Open 10am-5.50pm Mon-Sat (closed Fri), 2.30-5.50pm Sun. Free.

Wallace Collection
Hertford House, Manchester Square, W1 (935 0687) Bond Street tube. Open 10am-5pm Mon-Sat, 2-5pm Sun. Free.

Wellington Museum
Apsley House, 149 Piccadilly, W1 (499 5676) Hyde Park Corner tube. Open 10am-6pm Mon-Sat, 2.30-6pm Sun. Free.

Westminster Abbey
SW1 (222 5152) Westminster tube. Open 9am-4pm Mon-Fri, till 8pm Wed, 9am-5pm Sun. Guided tours £3.

Westminster Cathedral
Victoria Street, SW1 (834 7452) Victoria tube. Open 8am-8pm.

MARKETS

Antiquarius
15 Flood Street (entrance in King's Road), SW3 (351 5353) Sloane Square tube. Open 10am-6pm Mon-Sat.

Camden Lock
Camden Town tube. Open 9am-6pm Sat-Sun.

Camden Passage
N1. Angel tube. Open 8am-4pm Tue, Wed, Sat; 9am-5pm Thur, Fri.

Gray's Antique Market
Davies Street, W1 (629 7034) Bond Street tube. Open 10am-6pm Mon-Fri.

Kensington Market
Kensington High Street, W8, High Street Kensington tube. Open 10am-6pm Mon-Sat.

Petticoat Lane
Middlesex Street, E1. Aldgate and Aldgate East tubes. Open 9am-2pm Sun.

Portobello Road
Notting Hill Gate and Ladbroke Grove tubes. Fri, Sat.

PARKS

Green Park
SW1 (930 1793) Green Park and Hyde Park Corner tubes.

Hyde Park
W2 (262 5484) Hyde Park, Knightsbridge, Lancaster Gate and Marble Arch tubes.

Kensington Gardens
W2 and W8 (937 4848) Lancaster Gate, Queensway and High Street Kensington tubes.

Primrose Hill
(486 7905) Chalk Farm tube.

Regent's Park
NW1 (486 7905) Regent's Park, Baker Street, Camden Town and Great Portland Street tubes.

St James's Park
SW1 (930 1793) St James's Park and Green Park tubes.

TOURIST INFORMATION

Cut Price Ticket Booth
Leicester Square, W1, Leicester Square tube. Open 2.30-6.30pm and from 12 noon on matinee days. Tickets half-price plus 75p service charge.

LTB National Tourist Information Centre
Forecourt of Victoria Station, SW1 (730 3488) Victoria tube. Open 8am-10pm.

BRITISH RAIL

Blackfriars
(South), Queen Victoria Street, EC4 (928 5100).

Broad Street
(North), Liverpool Street, EC2 (387 7070).

Cannon Street
(South), Cannon Street, EC4 (928 5100).

Charing Cross
(South), Strand, WC2 (928 5100).

Euston
(North), Euston Road, NW1 (387 7070).

Fenchurch Street
(East), Railway Place, Fenchurch Street, EC3 (283 7171).

Holborn Viaduct
(South), Holborn Viaduct, EC1 (928 5100).

King's Cross
(North), Euston Road, N1 (278 2477).

Liverpool Street
(East and continent), Liverpool Street, EC2 (283 7171, continental 247 9812, car bookings 623 1831).

London Bridge
(South), Borough High Street, SE1 (928 5100).

Marylebone
(North), Boston Place, Marylebone Road, NW1 (387 7070).

Paddington
(West), Praed Street, W2 (262 6767).

St. Pancras
(North), Euston Road, NW1 (387 7070).

Victoria
(South & continent), Terminus Place, Victoria Street, SW1 (928 5100, continent 834 2345, car-ferry 730 3440).

Waterloo
(South), York Road, SE1 (928 5100).

COACHES

Victoria Coach Station
164 Buckingham Palace Road, SW1 (730 0202). 'Phone bookings 8am-10pm (730 3499).

Gloucester Road Coach Station
Ashburn Mews, SW7 (enquiries 373 1452, 7am-8pm).

AIR

British Airways Ticket Office
Platform 13, Victoria Station, SW1 ('phone reservations only: 370 5411).

INTERNATIONAL MAP COLLECTORS SOCIETY
1984 ANNUAL SYMPOSIUM
SATURDAY 15 SEPTEMBER 1984
PROGRAMME OF EVENTS

MORNING: IN THE LECTURE THEATRE

10-30 for 11-00 REGISTRATION & COFFEE
In the foyer of the Lecture Theatre

11-00 INTRODUCTION
IMCOS Symposium Chairman: *Alan Bartlett*

WELCOME AND DETAILS OF LECTURE SESSIONS
Dr. Helen Wallis, Map Librarian, The British Library

11-05 THE BRITISH LIBRARY COLLECTIONS
The range of the collections, with some particular references to world maps and to various of the less well known items.

The Map Library
The enormous scope of the printed map collections, from highly valuable older maps to items available to the average collector
Sarah Tyacke Assistant Keeper, The Map Library

The Department of Manuscripts
The manuscript map collections and their content of rare and unique world maps.
Peter Barber Senior Research Assistant, Department of Manuscripts

11-45 WORLD MAPS: HIGHLIGHTS AND PERSPECTIVES
A wide ranging review of world maps and their development throughout the centuries of exploration, discovery and settlement.
Rodney Shirley President, IMCOS.

12-15 NINETEENTH CENTURY THEMATIC MAPS
The widespread development of thematic maps of the world during the 19c. Their considerable scope: again with some reference to those within the range of the average collector.
Helen Wallis

12-45 to 2-15 LUNCH
Own arrangements

AFTERNOON

2-15 PROMPT GROUP VISITS FOR PRIVATE VIEWING IN ROTATION

Map Library – display of printed material
Map Gallery – the Raleigh-Roanoke Exhibition
Seminar Room – display of manuscript material
BL Reading Room – including history of the Room
Tea – in the Staff Restaurant

4-20 PANEL DISCUSSION
Closing questions, answers and discussions with the morning's speakers and a representative map collector.
In the Seminar Room.

4-50 CLOSE
All visitors to The British Library and The British Museum have to leave the premises by 5-00.

* *Coffee may be purchased at the time of Registration and Tea during the planned interval in the Group Visits.*

* *Symposium participants are free to make their own arrangements for lunch. A variety of cafés, restaurants and public houses are within easy walking distance.*

GROUP TIMETABLE

Your Group Number	

TIME	GROUP (A)	GROUP (B)	GROUP (C)	GROUP (D)
2-15	Map Library	Map Gallery	Seminar Room	Reading Room
2-40	Map Gallery	Seminar Room	Reading Room	Staff Restaurant for Tea
3-05	Seminar Room	Reading Room	Staff Restaurant for Tea	Map Library
3-30	Reading Room	Staff Restaurant for Tea	Map Library	Map Gallery
3-55	Staff Restaurant for Tea	Map Library	Map Gallery	Seminar Room

NOTES ON SPEAKERS

HELEN WALLIS is renowned throughout the whole cartographical and geographical world. Successor to Peter Skelton as Head of the British Library Map Library in 1967, she has been tireless in writing papers, forewords, articles and reviews, addressing conferences with learning and perception, and enthusiastically greeting visitors to the Map Library from all over the world. Her doctorate was gained studying explorations in the Pacific and she has retained a keen interest in James Cook. Other areas of specialism include 16th century cartography, globes, and the splendid Rotz Atlas recently reproduced in facsimile by the Roxburgh Club under her editorship. Helen is on the Board of Imago Mundi and is Chairman of the Commission on the History of Cartography of the International Cartographical Association.

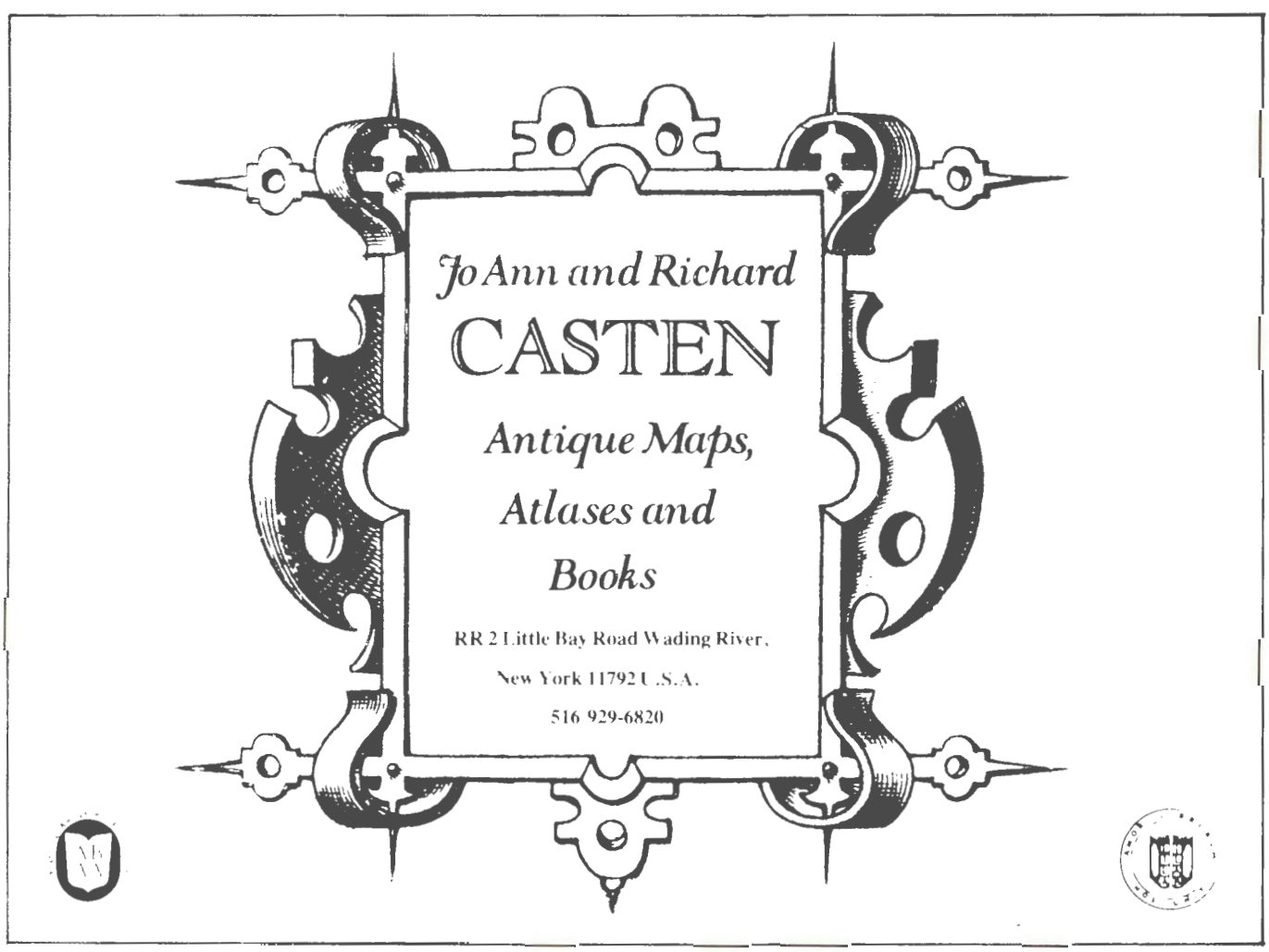
SARAH TYACKE, after reading History at Bedford College joined the British Museum where she is now Assistant Keeper in the Map Library. Her book *London Map-Sellers 1660-1720* originated out of several years study of the map publishing scene in late 17th and early 18th century England. More recently she has edited a series of essays entitled *English Map-Making 1500-1650* and has organised the British Library exhibitions *Christopher Saxton and Tudor map-making* and *The Mirror of the World.* Sarah is currently engaged on cataloguing the Pepys Library at Magdalen College, Cambridge. She is a Council Member of IMCOS.

PETER BARBER will be remembered by those IMCOS members who came to see the treasures of the British Museum's Manuscripts Department last year. An international historian by background, Peter's special field of interest while at the British Museum has been maps and topographical drawings. His main topic of study has been the art of military map making in the 17th and early 18th centuries, particularly the Duke of Marlborough's campaigns. He is now working on the use of maps in politics; his hobby is numismatics.

RODNEY SHIRLEY has been an enthusiastic map lover for many years and has been President of the International Map Collectors' Society since its inception. He has contributed articles to The Map Collector and to the IMCOS Journal, and has written two cartobibliographical studies: *Early Printed Maps of the British Isles 1477-1650* and – published earlier this year – a massive work *The Mapping of the World 1472-1700.* He is presently working to extend the coverage of British Isles maps up to 1750.

FUTURE IMCoS EVENTS

			CHAIRMAN
1985	**23rd March**	Manchester County Record Portico Library	Alan Hulme
	22nd June	London Symposium. National Maritime Museum, Greenwich (River trip to Greenwich and London Bridge)	Valerie G. Scott
	23/24 June	Map Fair and Exhibition Forum Hotel, London SW7	
Provisional plans:–			
1985	**Sept.**	Helsinki Symposium Chairman: Chartarum Amici	Aarno Piltz
1986	**June**	Map Fair & Exhibition, London London Symposium	John Beech
1987		Israel Symposium in Association with the Maritime Museum, Haifa	Dr Joseph Ringel and Yasha Beresiner
1988		Symposium Zagreb, Yugoslavia	Dr D. Novak
1989		Sympsosium Athens, Greece	T. Strongilos
1990		U.S.A.	to be appointed



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Catalogue available on request (£1 – UK; $4.00 – America)

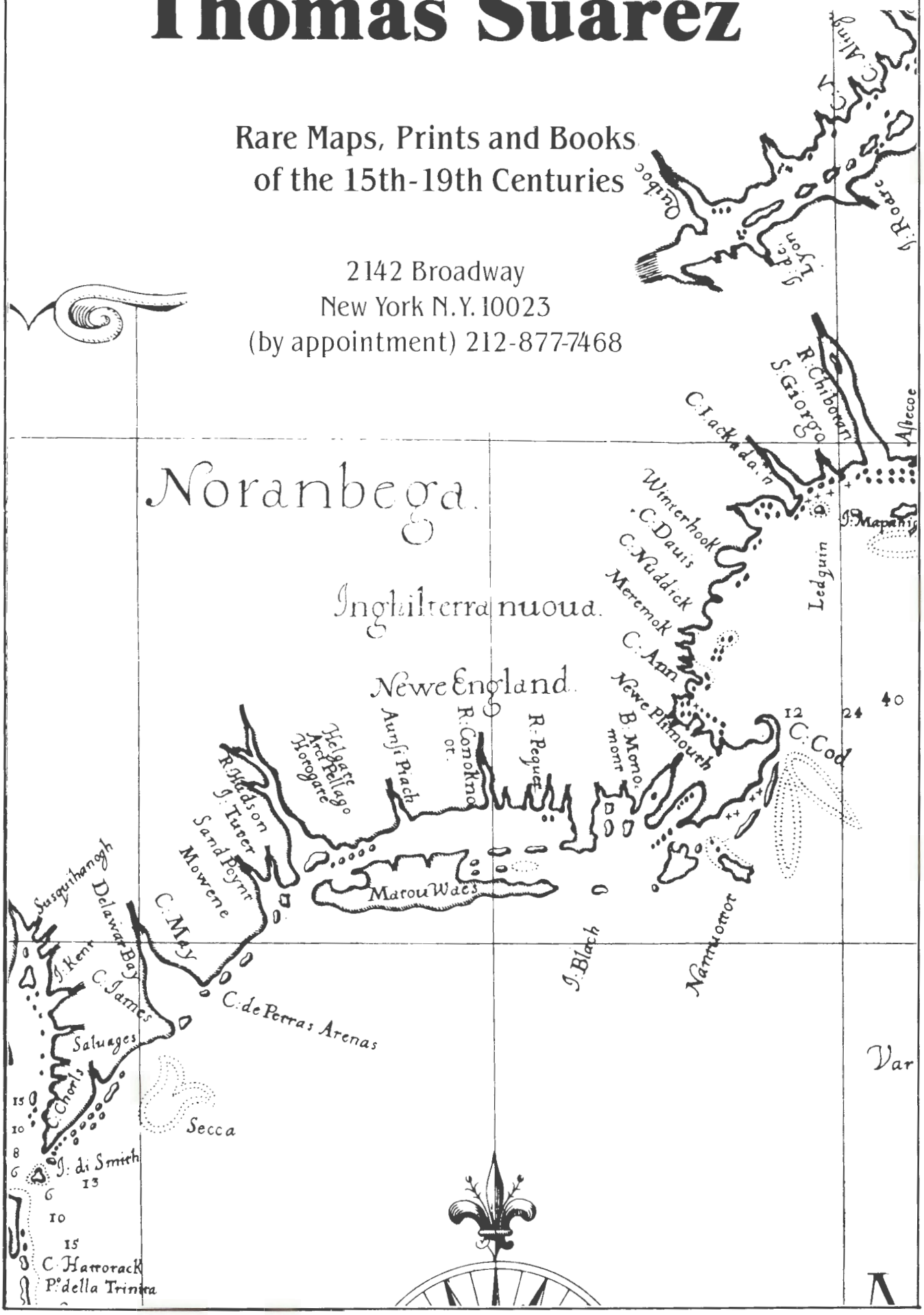


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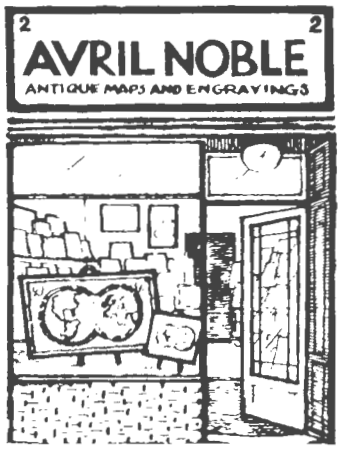
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Cartographica Neerlandica

Some statistics on Ortelius Maps

Over 16% of all articles that ever appeared in Imago Mundi deal with mapmakers from the Low Countries, more than from any other region. Over 33% of all articles deal with the next best studied period, the 17th century. This makes Ortelius (1527-1598) a well-studied mapmaker, particularly if we take into consideration that he was the first cartographer to produce a regular atlas, the Theatrum Orbis Terrarum. He added, altered and discarded plates to keep up with new information in each new edition of his atlas. The first 1570 Latin edition contains 70 maps from 53 plates. The largest edition, the 1608 English one, contains 228 maps from 161 plates. The total number of plates used by Ortelius is 200 (Koeman).

No reasonable estimate has appeared, however, addressing the obvious, and for the map collector important question: how many copies of the Theatrum were actually printed? If we can answer this question, the number of copies of each map, at least with text on verso and therefore not separately printed, can be established at the origin. Skelton mentions 1000 copies as a reasonable guess for the English 1608 edition in his introduction to the facsimile of this edition. Yet, he acknowledges that the size and scope of the book necessitated the printing of the plates at Plantijn's in Antwerp, and possibly the colouring too, as the known copies of this edition are coloured without exception. Only the textprinting and binding took place in England, where it was the largest book to appear as yet. Given these exceptional characteristisces, his estimate of 1000 may be too high.

We have found some evidence allowing educated guesses on this topic. In 1570 Ortelius bought 47 reams (=23500 leaves) of paper for his first Latin Theatrum edition, published by Diest (Denucé 1912 II, p.57). Given that this edition contains 71 leaves, the number of copies must have been around 330. Of these, Plantijn sold 159 copies, almost half of the impression. Additamenta were obviously printed in smaller quantities: the third Additamentum, containing 23 leaves per copy, required 2500 leaves (Denucé p.69), giving a total of about 110 copies, spread over 3 editions (1584 Latin, 1584 German, 1585 French), of which Plantijn sold 36 Latin copies, perhaps half of the Latin edition. For the 1579 Latin edition of the Theatrum and most likely for the 1579 and 1580 second Additamenta as well, Ortelius bought 131 reams of paper (=65500 leaves). If the Additamenta, with 25 leaves each, had an impression of about 240 taken together, this would leave 450 copies for the 1579 L Theatrum (containing 119 leaves), of which Plantijn sold almost half, viz. 194 copies. If we trust Plantijn's market share of the Theatrum throughout to be almost half of all copies printed, this amounts to about 4100 copies of the Theatrum until 1598, when Plantijn's records end. Assuming similar impressions at Vrient's, the total number of Theatrum copies ever printed amounts to about 6000. On top of this, about 700 Additamenta (I-V) and 500 copies of the separate Parergon were probably printed. To Koeman (personal communication) this seems a reasonable number, if the plates with a long printing history were regularly recut.

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