

December 1979
Issue No. 9

The image shows the front cover of a book titled 'THE M.M.T. MAP COLLECTOR'. The title is printed in large, bold, yellow-outlined letters on a dark green background. The letters 'M.M.T.' are significantly larger than 'THE' and 'COLLECTOR'. To the right of the title, there is a large, stylized red graphic of a map of the United States, with the letters 'M.M.T.' integrated into its design. A library stamp is visible on the right side of the cover, reading 'U.I.C.C. JAN 31 1980 LIBRARY'. The cover shows signs of wear, including some white scuff marks on the left edge.



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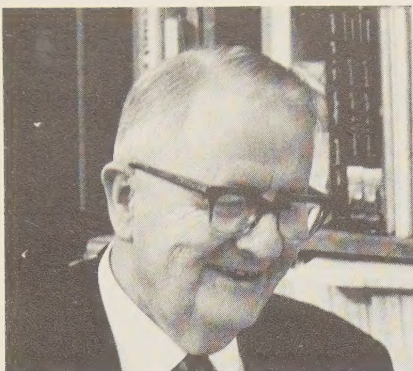
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Cover Illustration:

Florida and part of the Caribbean from Theodor de Bry's *America* Part II (By courtesy of R.V. Tooley Ltd.)





RONALD VERE TOOLEY

Editorial

FIRST AND FOREMOST we wish all our readers a Happy Christmas and a cartographically successful New Year. Would you all please list amongst your new year resolutions the renewal of your subscriptions (as promptly as possible to help our very busy subscriptions department) and the writing of a letter to the editor for consideration for publication in our Books and Letters section. We don't mind if it is controversial!

We are also keen to have your views on the content of the magazine. We are always willing to consider new ideas and towards this end, our publisher, Peter Scott recently spoke to a number of our subscribers in the USA and obtained their helpful views. Most were quite happy with our format and content so perhaps we must take silence as acquiescence - in which case we are pleased.

It is exciting that for this December issue one of our advertisers, Walter Reuben of Austin, Texas, USA, has taken a full page advertisement inside the magazine in colour. This breaks new ground and we hope will encourage other dealers to do the same. If we receive sufficient support with colour advertising on inside pages it will be possible for us to start using coloured illustrations in our articles.

John Garratt, a retired antiquarian book dealer, has compiled a listing of the maps in 'de Bry' for this issue which we hope will be a useful tool for map collectors. This is the culmination of many years research by Mr. Garratt who has had a 'love affair' with the beautiful 16th century books of exploration and discovery by Theodor de Bry. Certainly, to see these books is to love and admire them. We have included in the illustrations two of the other engravings as these are, in addition to the maps, quite fascinating and give a very clear view of life among the Indians of North America and other places visited.

Also, on the subject of Indians and their mapping is our contribution from Malcolm Lewis of Sheffield University. This is the first time Dr Lewis has written for us and much of his material is hitherto unpublished. It is part of the current research programme he is carrying out at the University into pre-literate cultures.

We also welcome back Ralph Hyde of the Guildhall Library, London, who has written about the Maps that Made Cabmen Honest. It is interesting, incidentally, that the word 'cab' (not 'taxi') was used in the 19th century, obviously because of the real name 'cabriolet de place' in England but has practically disappeared today and been replaced by 'taxi'. Yet, in the USA the word 'cab' is still retained. I hadn't realised until I read Ralph's article that cabmen of Victorian times were very dishonest and this was one of the reasons for issuing fare maps.

So many subscribers to Collectors Marketplace also subscribe to this magazine, it no longer makes sense to duplicate the section as a separate publication. It will therefore be phased out when current subscriptions expire and we are not accepting any further subscriptions and renewals. None of this affects The Map Collector itself in which the Collectors Marketplace section will continue to appear in its present format.

The

by John G. Garratt

THE COLLECTION OF early voyages compiled and published by the family of de Bry between 1590 and 1634 is one of the most important of its kind, and at the same time a nightmare for bibliographers.

There are two distinct series - the *Grands Voyages*, so-called because the pages are taller and wider than the second, which is called the *Petits Voyages*. The general title is *Peregrinationum in Indiam Oriental et Indiam Occidentales* but the work is usually referred to simply as 'de Bry'. The first series (*Grands Voyages*) consists of accounts of North and South America and the second series (*Petits Voyages*) relates tales of voyages mainly to the East Indies and the arctic regions.

The inspiration came from Thomas Hariot's *A Briefe and true report of the newfound land in Virginia*, published in London in 1588, and being an account of the colony settled by Raleigh. The artist, John White, had accompanied Raleigh and made a large number of magnificent drawings and watercolours, many of which are in the British Library. Either Hariot contacted de Bry or de Bry contacted Hariot, but the outcome was the first part of the *Grands Voyages*, a magnificent volume of text and engravings plus a map, a plate of Adam and Eve and five plates of ancient Picts. All, except the Adam plate, were engraved after White's drawings. The work was issued in 1590 in four languages - English, French, German and Latin. The English and French are now the rarest.

Theodor de Bry, who was an engraver, printseller, bookseller and publisher, followed this work with Part II of *Grands Voyages*, a volume dealing with the French exploits in Florida. This included a set of engravings after the drawings of Jacques le Moyne de Morgues, a friend of both White and Hariot, an engraving of Noah's Ark and a map of Florida. This part was



Maps in De Bry

The cornerstone of every library of Americana ... lavishly illustrated and replete with maps' — Boles Penrose, *Travel and Discovery in the Renaissance*.

From the day over twenty years ago when he first saw an example of the beautifully illustrated book by de Bry of early voyages and travels in the sixteenth century, John Garratt was fascinated. He decided there and then to go further than any bibliographer and this article on the maps forms part of his exhaustive research over those twenty years. Mr Garratt recently retired after forty six years in the antiquarian book trade, the last nineteen years of which he was with Henry Stevens Son and Stiles in London and Farnham.

One of the most famous plates in 'de Bry' - Adam and Eve in the Garden of Eden engraved by Theodore de Bry after Lodovico a Winghe. From *Grands Voyages*, Part I. (By courtesy of the National Maritime Museum.)

De Bry's engraving of one of John White's drawings which were the first published pictures of native life in North America. White was the governor of Sir Walter Raleigh's ill-fated settlement in Virginia. From de Bry's *Grands Voyages*, Part I. The text underneath says that the Chieftains of Virginia wear their hair long, tied in a knot close to the ears. Their hair is cut from the top of the head down to the neck in the form of a coxcomb. One long bird's feather is stuck into the crest on their foreheads and a short one above each ear. Their foreheads, cheeks, chins, bodies, arms and legs are painted and their chests and stomachs are covered with spots where they have been bled when they are sick. They carry a quiver made of rushes and a bow and arrow and love to hunt for deer. When the chiefs go to battle, they paint their bodies in the most hideous ways they can think of.

(By courtesy of R. V. Tooley Ltd.)



issued in German and Latin only as were all succeeding parts. By the time of his death in 1598 de Bry had issued six parts. He was succeeded by his widow and two sons Johann Theodor and Johann Israel, who published the seventh, eighth and ninth parts - the last in 1600. After an interruption, the parts were recommenced in 1619 and continued until 1624 by another member of the family, Matheus Merian, who also completed the last of the fourteen parts in German by 1630 and the Latin thirteenth and final part. All the parts in Latin are the German texts translated into another



The map of 'the powerful and gold-bearing kingdom of Guiana' is adapted from a slightly earlier map by Jodocus Hondius, although the title states that the map was 'surveyed and drawn by a sailor who accompanied Walter Raleigh on his voyage' [of 1595]. Note the large body of water placed to the south of the River Orinoco 'called by the cannibals Parime'. On its northern shore lies the city of 'Manoa or Dorado, the greatest city of the whole world.' Such features recall a map drawn by Raleigh in c1595 showing the region of El Dorado. The geography of the interior regions is derived from the accounts of Raleigh himself, and of Laurent Keymis, who in 1596 reported 'a sea of salt water, named Parime,' lying 'farre within' on the route to Manoa. Placed at the foot of the map are figures of an Amazon and a 'headless man of the land of Ewaipanoma.' A note states that the Amazons live with men only during the month of April. Size of original 335 x 460mm. (By courtesy of R.V. Tooley Ltd.)

language.

The *Petits Voyages*, thirteen parts in German and twelve in Latin, were started in 1598 by Theodor and completed in 1628 by Matheus Merian. Almost every part was profusely illustrated with engravings on single sheets with text beneath and the versos blank. The quality of the engravings varies, those in the earlier parts being the most distinguished. In the *Petits Voyages* there is a certain amount of plagiarism from previously published voyages.

So a complete set of 'de Bry' consists of fifty four parts. Fourteen parts in German, thirteen in Latin, one in English and one in French in the *Grands Voyages*. Thirteen parts in German, and twelve in Latin for the *Petits Voyages*. Two other, unillustrated parts were also issued as an appendix to each of the two volumes.

Within most of the parts great variations occur as a number were published in separate editions and within these editions again there are, at times, several states. For instance, the set made up by Henry Newton Stevens now at the National Maritime Museum in Greenwich consists of 186 separate items. As reprintings occurred, particularly in the later parts, so a number of the engravings were re-engraved or reversed. These factors together with the textual variations of the different parts make a complete set of de Bry in the original state a bibliographical nightmare. The most reliable of the bibliographies is that by Ludovic Crawford published in 1884 but even here there are omissions and there is still a need for a definitive bibliography. However, in the listing of the maps, the problems are not so immense as little or no attempt was made to alter originals in the light of further geographical knowledge and variations that do occur are mainly confined to alteration of cartouches, spelling and style of lettering.

In the following list, a number of maps which according to Crawford should be included in certain parts, have been omitted where he has been proved to be in error. Nor have engravings of a landscape nature, classified by Crawford as maps, been included, nor quasi-landscape maps that are enumerated amongst the plates. Maps that are complete in themselves, however, have been listed even though they may have been issued as part of the text.

Key

G = Grands Voyages

P = Petits Voyages

GRANDS VOYAGES [To America. Published in 14 separate parts]

Part I [Hariot's Virginia.] Frankfurt am Main, 1590 German Edition

G1 *Americae pars, Nunc Virginia dicta, primum ab Anglis inuenta, sumtibus Dn. Walteri Raleigh ...* [12 lines italics] in oval cartouche top right. In small panel centre extreme left: Author Ioanne With Sculpture Theodore de Bry, Qui et excud. [3 lines, italics.] Size 406 x 305mm.

Latin, English and French Editions. All published in Frankfurt in 1590. The map is the same.

The map as engraved by de Bry contains much fuller information and has greater cartographical detail than the Ms. original in colour in the British Museum (CT. 6837) leading most authorities to agree that White did a further more detailed map for engraving (see Cumming *North Carolina; The Southeast*; Hulton & Quinn; Quinn.) So far as can be ascertained, the map is to be found in three States, the only difference between them being the spelling of the name of the village of 'Chesepiooc' (just above the figurines of a female adult and a female child carrying a doll and a rattle) and in the Ms. original spelled 'Chesipiuc'. In the first state of the engraving the spelling is 'Ehesepiooc'. In the second state an attempt has been made to alter the first E into C without erasure, the result being a combination of both. In the third state this has been completely or almost completely erased and the letter C substituted. Both the first and third states are extremely rare, and the map is normally found in the second state (as reproduced by Bricker & Tooley, plate between pp. 236 and 241; Cumming plate 4; Hulton & Quinn plate 122, and Humphries plate 27). The following is an analysis of copies either examined or reported: Alverthorpe Gallery, Rosenwald Collection: State 1, French; State 2, English, Latin (3 copies). British [Museum] Library: State 1, German; State 2, English, Latin, German (12 copies 1590-1620).

W.L. Clements Library: State 2, English, French, German, Latin (4 copies). Huntington Library and Art Gallery: State 1, Latin; State 3, English, French, German (4 copies). James Ford Bell: State 2, German. John Carter Brown: State 1, Latin; State 2, Latin, English, German (7 copies). Library of Congress: State 2, Latin, German (5 copies). National Maritime Museum: State 1, German (1620 edition) State 2, Latin, German (12 copies). Newberry Library: State 1, French; State 2, Latin, German (6 copies).



A [proof state] of the map of Guiana derived from Raleigh. The two cartouches have blank spaces for the insertion of the latin title (top right) and notes on Guiana and the Orinoco (bottom left). Notes relating to the Amazons and other tribes, the note on Parime and the labelling of Manoa or El Dorado have also to be inserted. Size of original 335 x 460mm. (By courtesy of R.V. Tooley Ltd.)

New York Public Library: State 1, Latin: State 2, Latin, German, French (8 copies). Henry Stevens, Son & Stiles: of many copies, one only in State I. (German).

It is evident that the three States were used indiscriminately, being altered over successive years, and used as the occasion demanded, nor is there any guarantee that they were issued with the texts in which they are now found.

The Indian warrior and the woman and child on White's map were taken from an illustration in the volume. De Jode, in an inset to his *Americae Pars Borealis, Florida*, etc., published in 1593, uses the same male Indian, together with five other figures derived from the same work.

Part II [French Expeditions to Florida.] Frankfurt am Main 1591

G2 *Floridae Americae Provinciae Recens & exactissima descriptio Auctore Iacobo le Moyne cui cognomen de Morgues ...* [14 lines] within upright cartouche right side. Size 450 x 365mm.

Latin Edition. Frankfurt 1591. The same.

De Bry had originally intended this as the first part of his series of Voyages but was persuaded by Harriot to issue the 'Virginia' instead. Le Moyne and White knew each other through Raleigh and White used a portion of a map by Le Moyne in his Ms. map B.M.G. 6837 * (see G1) so that in reality the map in this present part is an extension of the one in Part I. The engraving, however, differs greatly from the Ms. version. Le Moyne died in 1588, and all his maps and drawings were purchased by Theodor de Bry. As, however, Le Moyne had refused to co-operate with de Bry in his lifetime, it would appear unlikely that he himself would have made a more elaborate drawing of the map for the purpose of engraving and it would seem that White was responsible for its preparation as had been done for Part I. (Bricker and Tooley, plate at pp 210-11; Cumming plate 15; Fite and Freeman page 68; Hulton and Quinn plate 58).

Part III [Von Staden's Voyages to Brazil in 1546-1555; Lery's Voyage to Brazil, 1556-1558.] Frankfurt am Main 1593.

German Edition

G3 *Americae Pars Magis Cognita* [In scroll supported by a putti, top right.] In upright cartouche, bottom left: *Chorographia nobilis & opulenta Peruanae Provinciae atque Brasiliae ... scriptis recens a Theodoro de Bry concinata ... MDXCII* [14 lines]. Scale in cartouche at bottom right: *Ex Geograph: calculo ...* [4 lines]. Size 390 x 360mm.

Latin Edition. Frankfurt am Main 1592. The same.

Re-engraved for the third Latin edition Frankfurt am Main 1630. The size of the map and of the cartouches remains the same, but the date in the one at bottom left is now MDCCXXIV and in that at bottom right the lettering has been altered as follows: - line 1 'confic=/=' instead of 'conficuit'; line 2 'unt' instead of 'IXXX' and 'Italica' instead of 'italica'; line 3 'lere' instead of 'leve', line 4 'Ital' instead of 'ital'. The

whole of the type is in a different fount. In place of the spouting sea monster at right there now appears an oval plan of Pernambuco and the islands Solis and S. Paulo disappear. Beneath this is a new engraving of a naval engagement. At bottom right, on left of cartouche the existing single vessel has been moved nearer the land, cutting 'C.d.s. Domingi' down to 'C.d.s. Dom.' On the left underneath the coat of arms is an oval plan of Mexico necessitating the moving of 'MARE' to nearer the coast. A new fleet of ships appears at top right of cartouche at bottom left; configuration of the waves on the whole of the bottom right is different. It bears no cartographical resemblance to the Linschoten map of 1590, and the nearest equivalents in the general shape of the bulk of the continent that we can trace are those in the map of the whole of America in *Martyr De Orbe Novo Decades VIII*, Paris 1587. (Nordenskiöld p131) and Ptolemy, Venice 1561 (Nordenskiöld plate XLV left side).

Part IV [Girolamo Benzoni's History of the New World.] Frankfurt am Main 1594 German Edition

G4 *Occidentalis Americae partis, vel, earum Regionum quas Christophorus Columbus ... incisa a Theodoro de Bry eod. Anno MDXCIII* [12 lines] In upright cartouche top right. Size 382 x 331mm.

Latin Edition Frankfurt am Main 1594. The same.

The coastline of Florida is not nearly so carefully delineated as it is in the map in Part II and Cuba is now considerably amended. Humphries plate 28.

G4a *Americae Retectio*. In two lines in cartouche at top, flanked by circular portraits of Columbus and Vespucci. Below a dove supports a spreading cloak in the centre of which is a circular map showing America on the right and Europe on the left. This is supported by a reclining dignitary on left and a florally-bedecked female on right. The whole is enclosed in an engraving 197 x 134mm, the background with mythological sea-chariots and a birds-eye view of country below. The rest of the sheet is text. [Folio]:():(3)

This is a copy in reduced size and reversed from Johannes Stradanus *Americae Retectio Joannes Straden inven. Adrianus Collaert Scalp (sic) Phis. Galle excudit*, [Antwerpen, 159-, before 1594], a set of four plates 280 x 197mm.

De Bry omits place names (Pisa, Florence, Genoa, etc. at foot of the engraving) and the names of the Continents, and in reversal America actually appears on the right hand side of the globe, whereas of course it should be on the left. The other three engravings (of Columbus, Vespucci and Magellan) are also present in de Bry, again in reverse and reduced in size and incorporated in the text. Sabin suggests the date of 1585, with later editions of 159-? and 16--?. B.F. Stevens (edited by R.V. Tooley) in *The Map Collector*, No. 2, March, 1978, page 24, states: 'De Bry obviously took for his model the second edition ... because [the] figures are ... unnamed. This led him to confuse Vespucci with Columbus'. Certainly the name D. Christophoro Columbo appears in the text beneath the engraving portraying Vespucci, but Columbus is named with the correct engraving on signature B3 as is Magellan on signature D [4].

Part V. [Girolamo Benzoni's History of the New World, continued.] Frankfurt am Main 1595 German Edition

G5 *Hispaniae Novae Sive Magnae, Recens et Vera Descriptio* 1595 [6 lines] In cartouche top right. In cartouche bottom left: *Lectori Partium Longitudinis ...* [10 lines italics] Size 381 x 330mm.

Latin Edition Frankfurt am Main 1595. The same.



Map of Virginia, drawn by John White, engraving by de Bry. From *Grands Voyages* Part I. (G1). This map of the region around Raleigh's Roanoke Colony of 1585 was the basis for most European maps of the area for over eighty years. Note the spelling of Chesepiooc village in the second state with the first 'E' being altered to 'C'.

A typical engraved title page from *Grands Voyages* by Theodore de Bry. This one is from Part II, German issue. (By courtesy of the National Maritime Museum.)



Part VI [Girolamo Benzoni's History of the New World, continued.] Frankfurt am Main 1597
German Edition

G6 *America Sive Novus Orbis Respecti Europaeorum Inferior Globi Terrestris Pars 1596* [within ruled borders across top]. At foot centre, in narrow tablet: *Francofurti ad Moenum formis Theod. de Bry* [single line italics] Size 381 x 305mm.
Latin Edition, Frankfurt am Main 1596. The same.

Circular map of the New World. In the four corners full length figures as follows: Top left: *Christophorus Columbus Genuensis. 1492*. Bottom left: *1519 Magellanus*. Top right: *Americus Vespulius Florentinus. 1497*. Bottom right: *1526. Franciscus Pisard*. Used also in Part XII German and Latin editions. Based on the map by Plancius made in 1594 and usually found in Linschoten's *Itinerario* 1596 (but properly, according to Church, in the 1599 edition (Wagner 182). Bricker & Tooley (plate between pp. 110 and 115) illustrate Van der Keere's version of 1607 which in the American portion is practically identical, except for spelling and decoration. In [Plautius (Caspar)], *Nova typis transacta Navigatio Novi Orbis Indiae Occidentalis* (Munich 1621) there occurs an engraving in which the figure of Pisard, together with the anchor, compass, the small map on the bollard, and the ship, has been lifted directly, the only difference being the erasure of his name and date, and the substitution of another legend.

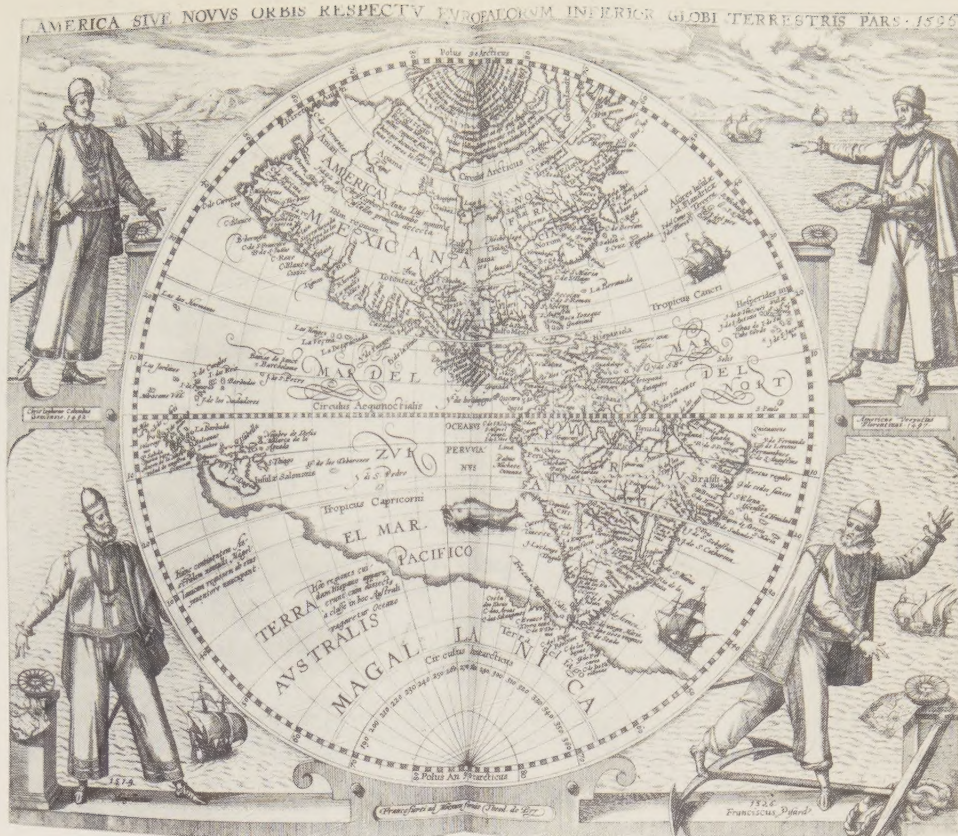
G7 [Plate] *cvscio urbs nobilissima, & opuletissima Peruani regni ... Theodorum de Bry Leod.* [8 lines, italics] In cartouche central bottom. Size 382 x 280mm.

Latin Edition. The same.
 Based on the woodcut plan in Ramusio 1556 which in its turn was used by Braun and Hogenberg in 1572. Used again in Part XII, German and Latin Editions.

Part VIII. [Voyages of Sir Francis Drake, Thomas Candish and Sir Walter Raleigh.] Frankfurt am Main 1599
German Edition

G8 *Neuwe landtaffel, in welcher Eigentlich, und warhafftiglich furgestellt wirdt das gewaltige, und Goldreiche Kunigreich Guinea ...* [7 lines, italics] Lower portion of cartouche top right. In

This circular map showing North and South America has the beautifully engraved figures of great discoverers at the four corners. Top left is Christopher Columbus, bottom left Ferdinand Magellan, top right Amerigo Vespucci and bottom right, standing over an anchor, is Francisco Pizarro. One of the maps from Part VI of *Grands Voyages* (G6). (By courtesy of the National Maritime Museum.)



cartouche bottom left: *NOTA. Der Winter in GVIANA, senget an im Meijen ...* [13 lines, italics]. German names in body of map. Size 445 x 343mm.

Latin Edition [No place] 1599.

Tabula Geographica nova Omnium oculis exhibens et proponeus Venissimam descriptionem potentissimi et aurifera Regni Guiana ... [7 lines italics] In top portion of top right cartouche, the lower portion having the German inscription as above. In bottom left cartouche early states have no Latin text.

Henry Newton Stevens noted about 1925 in his copy of Crawford that he had seen on one or two occasions copies of the German edition with no Latin text in top panel, and Latin editions with no Latin text in lower cartouche, and with no German references on the body of the map (as in the Stevens de Bry collection at the National Maritime Museum). Normal copies for either the German or the Latin text are those containing Latin and German text in top cartouche, Latin text in bottom cartouche, and German comments on the face of the map.

G9 [On title] Map of the East Coast of America and the West Coast of Europe [used also on p3 of the second enumeration in the Latin edition Size 154 x 83mm. Church p. 445. Crawford pl 12.

Latin Edition

G10 [On title] Map of the World in two hemispheres with portrait of Drake above and his ship below, and showing the route of his voyage. Size 228 x 121mm. Church p. 373. Crawford pl 11.

G11 [On second title] Map of the World, oval. Size 143 x 79mm [used also on p. 78 of the first enumeration in the Latin edition].

Latin Edition. [On page 78, first enumeration.] Crawford pl. 13.

G12 [On Additamentum] As G10. Size 195 x 14mm. Church p. 446.

Latin Edition. [On title] As G12. Church p. 376.

In the third issue of the Latin edition maps 9 and 11 are omitted.

G10 may derive from any one of several maps of the period, e.g.

- a *La Herdike Enterprinsc Faict par Le Seigneur Draeck D'Avoir Cirquitt Toute La Terre*, engraved by Nicola Van Sype. Normally this is found in *Le Voyage Curieux saict autour du Monde par Francois Drach* (Paris 1613, 1627, 1641) but the British Library copy, which is the only one known that has been preserved as a separate map, was dated by F.P. Sprenst as c. 1581. Kraus, plate between pp. 102 and 105, Wagner, plate between pp 426 and 427. This, according to Kraus, was engraved from 'the Map of Sir Francis Drake's Voyage presented to Queene Elizabeth, still hanging in His Maiestie's Gallerie at White Hall' (Purchas). The engraving bears the legend 'Carte

'Perhaps no success ever made so great a sensation in Holland as the capture of the Spanish Silver Fleet at Matanca by P. Heyn in 1628', (Church, p. 728, quoting Muller, *Books on America*.) The inset map of 'Das Eylandt Cuba' on the engraving of the 'Silver Fleet'. Medallion portraits of General Hayn and Admiral Long are shown together with a key to all the ships of the fleet. From *Grands Voyages* Part XIV (G50). (By courtesy of the National Maritime Museum.)



Erklärung der Ziffer.

1. Das Schiff Admiral.
2. Das Schiff Vice Admiral.
3. Das Schiff Capitän.
4. Das Schiff Capitän.
5. Das Schiff Capitän.
6. Das Schiff Capitän.
7. Das Schiff Capitän.
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19. Das Schiff Capitän.
20. Das Schiff Capitän.

veuee et Corige par le dict siegneur drach'.

- b *The Silver Map* by Mercator, dated 1589 (Kraus pp 104-105, Wagner pp 410-411) although the overall arrangement of the continents is quite different.
- c *Vera Totius Expeditionis Navicae Descriptio D. Franc Drae* ... (Hondius, Amsterdam ? 1590?) (Christy p 40, Sprent p 40, plate 2, Wagner, plate between pp 416 and 417) seems to prove this conclusively.

Part IX [Acosta's History of the New World; Voyages of Sebald de Weert (1598) and Olivier van Noordt through the Straits of Magellan to the Moluccas.] Frankfurt am Main (1601)

German Edition.

G13 *Fretum Magellanicum und dessen eigentliche Beschreibung, so die hollender durch schiff und auch der leng beschrieben* [One line] In cartouche across top. In cartouche at foot:- Headed *Fretum Magellanicum*; below two upright panels, panel one blank, panel 2: Lettered references A-Z in German in two columns. Size 300 x 140mm

Latin Edition Francof. 1602. The same.

Not issued in the second edition of the German version. Reissued in Part XI.

G14 [On Additamentum Title] The world in two hemispheres, with portrait of Van Noordt and natives as supporters. (Used subsequently on title page of Part XI *Petits Voyages* see p 14. Crawford pl. 16.

Part XI [The circumnavigations of Wiliam Cornelisz Schouten 1615-17 and Joris van Spilbergen 1614-18.] Frankfurt am Main 1619

German Edition

G15 [Map of New Guinea] Three panels at foot enclosed in one cartouche.

- a *Eine Cart von Nova Guinea* ... [5 lines]
- b *Novae Guinea Tabula* ... [4 lines].
- c *Description de la coste septentrionale de Nova Guinea* ... [4 lines].

All in italics. Size 273 x 152mm.

Latin Edition Oppenheimii 1619. The same.

Exactly the same as the map that appeared in Schouten, *Journal* ... Amsterdam 1618 except that the three panels at foot read: 1. *Caarte vanda Zuidzee* ... 2. *Description de la grande Mer de Sud* ... 3. *Tabula Hydrographica Maris Australis Vulgo del Zur*. Repeated in the French edition of Schouten Paris 1619 but the title in French in panel bottom centre and the names of some places are in French.

G16 *Fretum Magellanicvm* ... (See G13)

G17 [Map of area extending from New Guinea to West Coast of South America] In three panels within cartouche at foot

- a *Mappe Von der Sudsee* ...
- b *Tabula Hydrographica Maris Australis* ...
- c *Description de la grande Mer de Sud* ... Each in 5 lines, italics.

Size 413 x 171mm.

Latin Edition. The same.

From Schouten, *Journal* ... Amsterdam 1618, except for slightly differing shape of lettering in a few names, and at foot:-

- a *Carte vande Zuijze* ...
- b *Description de la grande Mer de Sud* ...
- c *Tabula Hydrographica* ... Signature E at bottom right.

G18 [Map of the East Indies and the Philippines] *Mar di India* in sea area bottom left corner on right side of compass rose. Size 349 x 295mm. The place names are in Spanish.

Latin Edition. The same.

NB Crawford means Part XI and not X in his note on p.152.

G19 [On title page] Map of the World in two hemispheres with portraits of Magellan and Schouten above, and [left side] Drack and Van Noordt [right side] Candish and Spilbergen. The map shows the tracks of the voyages of Schouten and Spilbergen. Size (complete engraving) 210 x 171mm. Crawford pl. 19.

Latin Edition. The same.

The same engraving is used as plate 1 of the section of plates in both editions.

G20 [Chart of the Straits of Magellan and Tierra del Fuego]. In 2 columns at foot within cartouche:

- a *Caarte vande nieuwe Passagie* ... [4 lines]
- b *Description de nouveau passage* .../5 lines/italics.

Size 203 x 168mm.

Latin Edition. The same.

Plate 2 with text at top and bottom. From Schouten's *Journal*. Amsterdam 1618, with slight alteration in the forming of many of the letters of the names. In the first panel at foot, the fourth word is spelled 'passage' and the italic lettering in column 2 is slightly different. 'Fol. 24' at foot left. In the de Bry version the two ships are omitted, and the compass roses are different.

G21 *Tijpus Freti Magellanici quod Georgius Spilbergius cum classe lustrant.* In decorative cartouche top left. Size 406 x 159mm.

Humans and birds in foreground, ships in the waters. Plate II of Appendix. On the right side of sheet there are 4 lines of text at top, and 10 below.

Latin Edition. The same.

Part XII. [Herrera's History of the New World,] Frankfurt am Main 1623

German Edition

G22 *America sive novvs orbis.* Used previously in Part VI (G6)

Latin Edition. Frankfurt am Main 1624. The same.

G23 *CVSCO.* Used previously in Part VI (G7)

Latin Edition. Not required.

The following maps all have the inscription inside the plate mark.

The German and Latin Editions are the same.

G24 *Description de las Indias Occidentalis* 1.

Size 302 x 178mm.

Note:- Bricker and Tooley illustration p. 116. Used also in Part XIII Latin and Part XIV German.

G25 *Description de la Indias del Norte* 2.

Size 229 x 159mm.

G26 *Descriptio del destrecto del Avdiencia dela Española* 3.

Size 216 x 197mm.

G27 *Descripcion del destrecto del Avdiencia de nveva España* 4.

Size 264 x 181mm.

G28 *Descripcion del destrecto del Avdiencia de la nveva Galicia* 5.

Size 225 x 159mm.

G29 *Descripcion del Aviencia de Gvatimala* 6.

Size 267 x 184mm.

G30 *Descripcion de la Indias de Mediopia* 7.

Size 178 x 203mm.

G31 *Descripcion del Avdiencia de Panama* 8.

Size 225 x 159mm. [Kapp 73. No 5]

G32 *Descripcion del Avdiencia del nvevo Reino* 9.

Size 200 x 18mm. [Kapp 77. No 8]

G33 *Descripcion del Avdiencia del Qvito* 10.

Size 194 x 159mm.

G34 *Descripcion del Destieto del Avdiencia de Lima* 11.

Size 229 x 159mm.

G35 *Descripcion del Avdiencia de los Charcas* 12.

Size 168 x 156mm.

G36 *Descripcion de la provincia de Chile.*

'Tabulam hanc Aegypti' from *Petits Voyages* by de Bry, Part I (Part II, first sheet). (By courtesy of National Maritime Museum.)



A map of Java, Sumatra, Borneo and the Malaccan Straits from *Petits Voyages*, Part II by de Bry (P4). (By courtesy of National Maritime Museum.)



Size 248 x 105mm.

G37 *Descripcion de las Indias del Poniete 14.*

Size 267 x 184mm.

G38 [On title page] Outline Map of the World, land areas entirely blank, in cartouche, flanked by: Top, circular bust portraits of Columbus and Vesputius; on left, full length Magellanos and right, Pisardu the two latter practically identical to those in Part VI. Map identical to Herrera, cartouche slightly altered. Size 95 x 89mm.

Latin Edition. The same.

Part XIII. [Discovery and settlement of New Englandi Hamor's Virginia; Description of the Bermudas; Staden and Lery's Brazil; Harcourt's Guiana; De Quiros' Terra Australis; Discoveries in New Granada and New Mexico; the Dutch in Brazil], etc. Frankfurt, 1627 and 1628 [Two variant issues of the title page, the text and the maps being unaffected.]

German Edition

G39 *Erforschet und beschriben durch Capitain Iohan Schmidt* [under scale at foot] At top in body of map 'Virginia.' Size 362 x 292mm.

Latin Edition Frankfurt am Main 1634. The same.

Derived from the map in Smith's *A Map of Virginia* London, 1612. Verner No. 45 *Derivative 3; from State 6* [plate VI] simplified in details and style of engraving. The chief differences are the omission of the cartouche around the scale at foot, the ship on left, Smith's arms on right, the scroll round the title, and the different placing of the description of the Sasquehanougs under the standing figure on right.

G40 *Das norder theil des lands Brasilien. Darinn de furnemsten Hafen angeden tet werden, als zu Parayba, Pernambuco, Todos as Santos und andere* [In cartouche at top]. In panel at right hand bottom: *Erklärung der Ziffern*, under this 10 lines in italics. Size 448 x 356mm.

Latin Edition. The same.

G41 *Die Landschaft Gvaiana...* [In cartouche top right 8 lines] At foot scale in three languages in cartouche. Size 356 x 276mm.

Latin Edition. The same. Crawford p. 155 gives an issue in Latin, but comparison of many copies suggests that he wrong.

G42 *Descripcion de las Indias Occidentales* [Latin edition only] Used previously in Part XII (G24) Crawford (p. 155) is wrong in giving Spanish inscriptions.

G43 *Fretum Magellanicvm* [Latin edition only] Used previously in Part IX (G13).

G44 *America nouiter delineata* [In cartouche bottom right] Top left in oblong cartouche: a map of the North Polar regions. Bottom left: a map of the South Polar regions. Size 445 x 356mm. [Latin Edition only.]

G45 *Brasil* [Inset in scroll cartouche bottom left, showing position of Salvador, size 76 x 57mm, on a plate entitled *S. Salvador. Baya de todos os sanctos* in sea area on left]. Size overall 369 x 203mm. 8

inches.

Latin Edition. The same.

Used in reduced form (149 x 223mm) without map and with p. 123 in top right corner inside border in Hulsius (Levinus) *Die Ein Vnd Zwanzigste Schiffahrt.* Frankfurt am Main, 1629.

G46 *Das eylandt Cuba mit deroselben gelegenheit* [inset map size 140 x 89 mm, on a plate of the 'Silver Fleet', with medallion portraits top left of General Hayn and top right of Admiral Lonq.] [Latin edition only] Size overall 394 x 318mm. Note: See also Part XIV Geran for a variation (G50).

Part XIV [Sundry Accounts of New Mexico, Dutch Voyages, Mexico, Yucatan, Cuba, Brazil, California, etc. Hanaw, 1630] [No Latin Edition of this part.]

G47 *America nouiter delineata* [In cartouche bottom right] Top left in oblong cartouche a map of the North Polar regions: bottom left a map of the South Polar regions. Size 445 x 357mm. Used previously in the Latin edition of Part XIII (G44).

G48 *Descripcion de la Indias Occidentales I.* Used previously in Part XII. (G24)

G49 *Fretum magellanicum.* AUsed previously in Part IX (G13).

G50 *Das Eylandt Cuba Mit Deroselben Gelegenheit* ['Silver Fleet'] Used previously in the Latin Edition of Part XIII (G46).

In this German edition there are 4 lines of text above the engraving, and, below it, under a single line heading, three columns of text in 7, 8 and 8 lines respectively, being numbered references 1-20.

'Perhaps no success ever made so great a sensation in Holland as the capture of the Spanish Silver Fleet at Matanca by P. Heyn in 1628'. (Church, p. 728, quoting Müller, *Books on America*, p. 100).

A broadside of this battle was issued by Claes Ians in Amsterdam in [1629] entitled *Verovering vande silver-vloot inde Bay Matanca A^o 1628*, plate size 165 x 406mm. It contains text below the engraving. Another version *Eroberung der Reiche Silber-Vloot inde Bay oder Haven Matancae. An 1628, den 8. Sept.*, with inset *Die Insl Cuba ihre Gelegenheit*, and text below full title at top of sheet, was issued in Caspar Ens, *Newer unpartheyischer teutscher Mercurius*, Köln, 1629, plate size 171 x 337mm. (Information from Mr. John Parker, of the James Ford Bell Library. A reproduction of the last mentioned engraving occurs in his *The World for a Market-Place*, p. 92). Both would have been issued too soon for inclusion in Part XIII of de Bry.

Used, in reduced form, size 143 x 223mm, without text, and with 123 in upper right corner within border, in Hulsius (Levinus) *Die Ein Vnd Zwanzigste Schiffahrt.* Frankfurt am Main 1629 (Part XXI).

G51 [On title] Small map of the World, land masses shaded. Crawford, plate 22.

PETITS VOYAGES [To the East and North]

Part I [Pigafetta's Account of Odoardo Lopez's Voyage to the Congo in 1578.] Frankfurt am Main, 1597

German Edition

P1 *Tabvla Geogra=Regni Congo.* In scroll at top of map, cartouche bottom left containing two coats of arms and 2 line description. Supporters: sea-god on left, sea-goddess on right, winged animals at top, flanking head of horned monster. Size 385 x 311mm.

Latin Edition. Frankfurt am Main, 1598. The same.

P2 [In two sheets] First Sheet: *Tabulam hanc Aegypti* [9 lines, italics] in cartouche bottom right. Second Sheet: No title, blank cartouches beneath the other top right corner, the first circular, the second oblong.. Size [each] 400 x 298mm. Sometimes found joined, forming a partial map of Africa.

Latin Edition. The same.

No differences in any editions. P1 first appeared in Pigafetta. *Relatione del Reame di Congo* [1591] as *Tavola de l'Regno di Congo*. Now reduced in size and with different cartouche (Tooley, *Map Collector's Series* No. 30, W.16-17. See also Bricker and Tooley, p. 163, where the de Bry version is illustrated, and p. 164 illustrating the de Bry cartouche) P2 redesigned and reduced in size from Pigafetta (Tooley, *Map Collector's Series* No. 29, 134. Compare with the Linschoten version, with which both the de Bry maps vary only slightly in detail).

Part II [Relation of the Voyage of Jan Huygen van Linschoten to Africa and the East Indies.] Frankfurt am Main, 1598

German Edition

P3 *Insulae et arcis Mocambique* [8 lines] — *Eigentliche fuhrbildung der Insel Sampt dem Schloss Mosambique* [7 lines] All in italics in cartouche on left. Size 286 x 223mm.

Latin Edition. Francfordii, 1599. The same.

Based on the engraving by Joannes a Doetecan for the various issues of Linschoten's Voyages. Reduced in size, with deletions, retaining the shape of the cartouche but with new configuration of mountains, etc. Tooley, *Map Collector's Series* No. 30, E73. No difference in any edition.

P4 *Nova tabula Insularum Iavae, Sumatrae, Borneonis et aliarum Mallacam usquae* [4 lines] — *Neuwe vnd Eijgentliche Furbildung, der Inseln, Java, Sumatra, Borneo, bis gen Malaca* → [4 lines]. All in italics within cartouche. Size 435 x 381mm.

Latin Edition. The same.

No difference in any edition.

P5 *Ailhae cidade de goa Metropolitana da Indiae partes Oriientalis qve esta en 15 graos da banda do norte* [In scroll across top] Size 425 x 368mm.

In cartouche on left:-

First State: Top blank. In lower portion: *Contrefactur actur der fuhrnemster hauptstrat in Indien, Goa genau* [7 lines, italics]

Second State: Top filled in in Latin, German text in lower portion as above.

In cartouche on right:-

First State: Top blank. Lower portion in Latin.

Second State: Top portion: *Erklärung Etlicher Portugalesischer worther der furnemster Orter der Insel Unde Stadt Goa*, over two columns of German text, the first in 28, the second in 22 lines, all italics; beneath in separate columns in Latin, the first in 6, the second in 5 lines, all italics.

Latin Edition

In cartouche on left: *Goa Indiae Orientalis Metropolis...* [7 lines, italics] German text beneath.

In cartouche on right: German text in top panel, below: *Hetruscis urbem tectis quae ceriet et una ...* [first column 6 lines, second column 5 lines] all italics.

No variations in later editions.

Based on the plan in Linschoten, but greatly reduced in size, the whole of the left hand side with mountains omitted, and with cartouche and two panels of text as against three cartouches and three panels of text.

PART III [Linschoten's Voyages continued; Houtman's Voyage to the East Indies; Gerrit de Veer's Journal of Three

Voyages by the North.] Frankfurt am Main, 1599

German Edition

P6 *Descriptio Hydrographica* [sic]...[6 lines, the first in capitals, the remainder in italics-] *Eygentliche vnd ausfvrliche ...* [5 lines, the first in capitals, the remainder in italics] all within cartouche top right. Size 658 x 349mm.

Latin Edition. Frankfurt am Main, 1601. The same.

Incorporates the southern part of England, the coast line of Europe from the Low Countries to Spain, the Mediterranean, the whole of Africa and the East Indies, with 'Terra Australis Incognita (sic) and a small portion of the east coast of South America. Possibly derived from the small map on the title page of [Lodowijcksz (W.)] *Prima pars Descriptionis itineris Navalis in Indian Orientalem*. Amsterdam, 1598. Also bears a superficial resemblance to the same area shown in the Mercator World Map of 1587.

P7 *Conterfactur der 3 Schiffarten Welche di Hollander ...* [8 lines, italics] within decorative frame cartouche top of map. Size 279 x 321mm.

First State: Top portion empty; scale empty

Second State: Top portion with Latin text, scale filled in

Latin Edition.

Delineatio cartae trium navigationum per Batavos ad Septentrionalem plagem Nor Vegia Moscovia et Nova Zembla [9 lines, italics] - [German text], scale filled in.

Derived from Linschoten's *Itinerario*, 1599, illustrated in Bricker and Tooley, p. 231, but with different cartouches, some changes in the lettering used, and a few slight alterations in coastlines. The text in top cartouche in Linschoten is in Latin and Dutch. Tooley, *Map Collector's Series*, No. 70, part I, 18, 19 (under Barentsz) does not record the de Bry issues.

P8 *A cidade de angra na ilha de iesv xpo da terceira*. Title within cartouche at top. At foot a cartouche divided into two horizontally. On either side of top title blank cartouches. Size 549 x 403mm.

First State: Cartouche at foot, top panel blank, lower panel: *Eijgentliche furbildung der Insel terceira* [5 lines, italics] Cartouches on either side main title blank.

Second State: Cartouche at foot: top panel: *Angra Vrbs Tercerae quae insularum quas Azores ...* [5 lines, italics] Lower panel: German text. Cartouche at left top: *Ipsa Gregnens populo agricolis haec Angra ...* [7 lines, italics]. Cartouche at right top: *Vda mari saxo stabilis ditissima glasto ...* [5 lines, italics].

Latin Edition. The same as the German Second State

From the plan by Linschoten, but greatly reduced, with one cartouche only at the foot, and a small cartouche at the top as against a very large one. The title has also been abbreviated.

P9 *Tabula terrae Nouae Zemblae ...* [11 lines, italics] In frame cartouche top left. Size 245 x 184mm; on verso of plate LVIII.

Sometimes printed on a separate leaf. Deleted from the First Issue of the Second German Edition, but replaced in the Second Issue onwards.

Latin Edition

First Issue, First Edition: no map. Second Issue, map on separate sheet. Third Issue onwards, map printed direct.

Part IX [Pieter Willemisz Verhoeff's Voyage to the Moluccas, 1607-1612. With Continuation containing Verchen's Description of the Islands of the East Indies.] Frankfurt am Main 1612.

German Edition

P10 *Continuato* [subtitle] [Map of the World]. Size 143 x 83mm.



De Bry's map of the North Polar regions, 'Delineatio cartae trium navigationum ... Norvegia, Moscovia et Nova Zembla.' The sea is full of fascinating creatures and a reindeer is pulling a sledge just by the compass rose bottom right. From *Petits Voyages*, Part III (P7). (By courtesy of the National Maritime Museum.)



This map 'Warhaftige...' shows how Linschoten, a Dutch explorer, attempted to find a shorter route to India. In 1554 he sailed with William Barents, a famous Dutch navigator, in search of a North East passage in the Arctic. After reaching the island of Novaya Zemlya now in the USSR, Barents turned back and returned to the Netherlands while Linschoten sailed into the Kara Sea before being forced back by bad weather. In 1595 he and Barents took seven ships into the Kara Sea but were again compelled to turn back because the sea had already frozen up. Map from *Petits Voyages* Part X (P12). (By courtesy of the National Maritime Museum.)

Latin Edition. Frankfurt am Main, 1612. The same.

Part X [Discovery of Hudson's Bay: Linschoten's two Voyages to the North; de Quire's Discovery of Terra Australis Incognita, and Massa's Description of Siberia.] Frankfurt am Main, 1613

German Edition

P11 *Tabula nautica qua repraesentator orae maritimae meatus, ac freta, noviter a HHudsono Anglo ad caurum supra Novam Franciam indagata Anno 1612* [6 lines, italics].

In cartouche top right. *Longa nimislongo cia dividit æquore Seras..* [12 lines, italics] In cartouche bottom left. Size 314 x 152mm.

Latin Edition. Frankfurt am Main, 1613. The same.

P12 *Wahrhaftige entwerffung Des gantze Streichs, so aus Holland geg Mitternacht durchs Nassawische Meer, zum fluss Oby fahrt, nach Verzehnter Lohann Hugonis Lintschottan Vñ Annis, 1594 vñ 1595, etc.* [6 lines italics, no cartouche, engraved on plate top left] *Vera delineatio to=tius tractus ex Hollandia Septentrionem versus fretum Nassouicum ...* [7 lines italics]; In domed cartouche bottom right, scale beneath.

Latin Edition. The same.

P13 *Tabula Septentrionalis Russiae, Samoth:thiae et Tingosiae, quem admodum ea ab universali Russia Separata et ab Isaaco Massa descripta est* [In italics, between ruled lines across top] Panel in cartouche top left: across top: *Explicatio quamu=dam Vecum Russicarum* [italics] below: 2 columns, italics: first column 8 lines, second column, 9 lines. Size 340 x 139mm.

Latin Edition. The same.

Note: See Linschoten. *Voyage ofte Schip-vaert*, 1601 De Bry utilised the same maps with variations, and used some of the decorative portions for the three plates in this Part, and for the title page.

Part XI [Americus Vesputius' Third and Fourth Voyages to America; Robert Coverte's Travels in Persia and Mongolia, and a Geographical Description of Spitzbergen, with the Journals of Barentsz and Rijp's Voyage in 1596.] Oppenheim, 1618

German Edition

P14 Titlepage bears a small inset portrait of Olivier de Noordt, with beneath two small hemispheres of the World, flanked by two Indians. Later issues have no portrait, different supporters, and the map is replaced by two ships (used previously on Additamentum title to Part IX, *Grands Voyages*, see G14).

Latin Edition. Oppenheimii, 1619. The same.

Part XII [A number of relations of Voyages and Travels in Hindostan, Persia, China, etc., including that of Thomas Roe and Jacob l'Ermit.] Frankfurt am Main, 1628

German Edition

P15 *De scriptio chor ographica reg ni chi ne* [broken by Chinese characters] Between ruled lines across top. Size 343 x 292mm.

Latin Edition. Frankfurt am Main, 1628. The same.

Copied in reduced size and with slight variations from the map in volumes 3 and 5 of Purchas. *His Pilgrimes*, 1625, where it is entitled 'The Map of China'

P16 *Descriptio chorographica indiae orientalis, deliniatiem imperii, sive regni magni mogul exhibens.* Between ruled lines across top.

Latin Edition. This map occurs in the Latin edition only.

Note: Copied in reduced size from Purchas. *His Pilgrimes*, volume 1, where it is entitled 'A Description of East India.'

Part XIII [Voyages in India, China, Mongolia, etc., with relations of those of Hudson, Baffin and Lock in the Northern Regions, Accounts of Iceland, Greenland, etc.] Frankfurt am Main, 1628.

German Edition. As P16. No Latin Edition of Part XIII was issued.

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In the 1890's W.J. Gordon recorded that out of 15,000 cabmen plying for hire in London approximately 2,000 were annually convicted for drunkenness, cruelty, wilful misbehaviour, loitering, obstruction, stopping on the wrong side of the road, leaving their cabs unattended, etc. 'Gentlemen in this class', observed Max Slesinger earlier, 'are not generally flattering in their expressions or conciliatory in their arguments, and the cheapest way of terminating a dispute is to pay and have done with the man.' By courtesy of Guildhall Library, City of London.



Maps that made Cabmen honest

by Ralph Hyde

IT WAS SAID that among cabmen the name of Edward Mogg was better known than beloved. From 1844 this mapmaker published a steady stream of guides and London maps which enabled travellers in London to discover where they were and whether they had been over-charged getting there. Small wonder Thomas Hood was so thankful to have his:

'What is this world, with London in its lap?
Mogg's map.
With Greenwich and its Isle of Dogs
This map of Mogg's.'

Upright Victorians were outraged by the dishonesty of cabmen in their era. Not surprisingly, it was they who hit upon the most

Mogg's cab-fare map, with extensions to the west and south, as issued in the 1870's. The Mogg family had been issuing maps at least since 1803 and had a special interest in maps for travellers. By courtesy of Guildhall Library, City of London.

MOGG'S POSTAL-DISTRICT AND CAB FARE MAP.



ingenious cartographical solutions. But the problem was not a new one, and nor were the attempts to solve it cartographically. Hackney coaches had been introduced into the narrow streets of pre-Fire London in the 17th-century. In 1720 Henry Overton advertised in the *Daily Courant* 'A New and Correct Plan of the Cities of London and Westminster, &c. including the new Buildings now finished' on which appeared tables giving the rates of the hackney coachmen and watermen, 'very necessary for Persons who are often impos'd on by these Fellows.' Overton's rivals followed suit issuing new maps with coachmen and watermen's rates (e.g. Joseph Smith, 1724), or squeezing in tables of fares on their existing plates (e.g. Thomas Bowles, 1723 and Thomas Taylor, 1720). Darton & Harvey in 1797 made room for upwards of 200 hackney coach fares on their 'New Pocket Map of London', and John Cary in 1782 upwards of 350 on his 'London, Westminster and Southwark Accurately Delineated.' The latter map had to be revised in 1785 to accommodate new fares just introduced by Act of Parliament.

The *cabriolet de place* – 'cab' for short – was introduced at the beginning of the nineteenth-century. At first it carried two people only, driver and passenger sitting side by side. Later the driver was relegated to a seat built on the off-side between the body of the vehicle and the wheel. In 1834 Joseph Aloysius Hansom, founder of the *Builder* magazine and the architect of Birmingham old Town Hall, patented a cab so designed that the driver sat on top. Curiously, Hansom's name became associated with a superior version of it for which he was not responsible. This was the invention of John Chapman, proprietor of the Great Indian Peninsular Railway, who placed the driver's seat at the back.

Chapman's cab was instantly popular. Not so its driver. Readers of Dickens' *Pickwick Papers* will recall the fuss Mr and Mrs Raddle

and Mrs Cluppings became embroiled in when calling upon friends in Goswell Street. In the first place their driver was cruel. ('The horse being troubled with a fly on his nose, the cabman humanely employed his leisure in lashing him on the head on the counter-irritation principle.') In the second place they were deposited at the wrong door. In the third place the man was dishonest and Mr and Mrs Raddle were overcharged. 'Is there no legal scale of fares?' asked Max Schlesinger innocently in *Saunterings in London*. 'Of course there is', he himself replied, 'eight pence per mile. But who can tell how many miles he has gone in a cab?'

To rescue Mr and Mrs Raddle, Max Schlesinger, and tens of thousands like them F.G. Harding of 24 Cornhill in 1833 published 'The Arbitrator or Metropolitan Distance Map.' This gave distances in each street and square in miles and yards, provided tables of distances, and explained passengers' rights. In a note the publisher advertised that he would correctly compute disputed distances, wagers, and unmeasured ground: 'Any error discovered in this Map, or distance disputed, shall be remeasured, free of expense if found incorrect; but if otherwise, a charge of half-a-crown per mile will be made to the party requiring the same.' An improved version of the map was published by M.A. Leigh in the following year. On this, half mile measurements were indicated by red spots from east to west, and by blue spots from south to north. Later Leigh issued the map as a little booklet. The text in this was re-set as pages, the map itself forming an appendage.

In circa 1847 an even more complicated cab-fare map was issued, 'The Circuiter, or Distance Map of London', which was 'invented' (the publisher's word) by Joachim Friederichs of 19 Granby Street, Hampstead Road, St. Pancras, Middlesex. 'The monstrous impositions practised by Cab-Drivers', wrote Joachim Friederichs, 'have long been the subject of general complaints; of the plans

To protect the public, Joachim Friederichs invented what he called the 'Circuiter System'. Each circle on his map measured half a mile in diameter. By noting the number of circles crossed in a journey the passenger was able to calculate his own fare and challenge the cabmen. By courtesy of Guildhall Library, City of London.



CAB LAWS AND REGULATIONS.

RATES AND FARES.
The following table shows the rates and fares for cabs in London, and is intended to be a guide to the public. It is not intended to be a legal document, and is subject to change without notice.

FARES BY TIME.
For the first hour, 1s. 6d.; for the second hour, 1s. 6d.; for the third hour, 1s. 6d.; for the fourth hour, 1s. 6d.; for the fifth hour, 1s. 6d.; for the sixth hour, 1s. 6d.; for the seventh hour, 1s. 6d.; for the eighth hour, 1s. 6d.; for the ninth hour, 1s. 6d.; for the tenth hour, 1s. 6d.; for the eleventh hour, 1s. 6d.; for the twelfth hour, 1s. 6d.

FARES BY DISTANCE.
For the first mile, 1s. 6d.; for the second mile, 1s. 6d.; for the third mile, 1s. 6d.; for the fourth mile, 1s. 6d.; for the fifth mile, 1s. 6d.; for the sixth mile, 1s. 6d.; for the seventh mile, 1s. 6d.; for the eighth mile, 1s. 6d.; for the ninth mile, 1s. 6d.; for the tenth mile, 1s. 6d.

FARES BY NIGHT.
For the first hour, 2s. 6d.; for the second hour, 2s. 6d.; for the third hour, 2s. 6d.; for the fourth hour, 2s. 6d.; for the fifth hour, 2s. 6d.; for the sixth hour, 2s. 6d.; for the seventh hour, 2s. 6d.; for the eighth hour, 2s. 6d.; for the ninth hour, 2s. 6d.; for the tenth hour, 2s. 6d.

FARES BY SPECIAL.
For the first hour, 1s. 6d.; for the second hour, 1s. 6d.; for the third hour, 1s. 6d.; for the fourth hour, 1s. 6d.; for the fifth hour, 1s. 6d.; for the sixth hour, 1s. 6d.; for the seventh hour, 1s. 6d.; for the eighth hour, 1s. 6d.; for the ninth hour, 1s. 6d.; for the tenth hour, 1s. 6d.

A NEW DISTANCE MAP OF LONDON For Ascertaining Cab Fares, &c.

NOUVEAU PLAN DISTANCÉ DE LONDRES Pour Calculer le Prix des Voitures de Place.



EXPLANATION.

The sides of each of the angles formed by the colored lines represent a direct half mile. This method, under any circumstances, will give the correct fare, within 6d., for any distance. It may, however, be advisable to contract it with one or two distances that have been actually measured. For example, from the Bank of England to the following Railway Stations: To the London and Birmingham Railway Station, the fare is 2s.; to the Great Western, 2s.; to the London Bridge Station, 2s.; to the Eastern Counties' Station, 2s.; and to the South Western (Waterloo) Station, 2s. 6d.

EXPLICATION.

Les côtés de chacun des angles formés par les lignes colorées représentent un demi-mille en ligne droite. En prenant par cette méthode le prix des voitures de place, il faut tenir compte de la déviation de la ligne droite; et, pour rendre l'usage de cette carte simple et certain, nous nous sommes guidés par la comparaison, sur terre, de trois distances qui ont été mesurées. Par exemple: De la Banque d'Angleterre aux Stations de Chemins de Fer qui suivent: A la Station du Chemin de Londres et de Birmingham, le prix est de 2 shillings; à la Station du Grand Chemin de Fer de l'Ouest; de 2 pence à la Station du Pont de Londres; de 2 pence à la Station des Conduits de l'Est; et de 2 shilling 6 pence à la Station du Sud-Ouest (Waterloo).

LOIS ET RÉGLEMENTS DES VOITURES DE PLACE.

AVIS.
Avant d'entrer dans une voiture de place, il est toujours prudent de faire un arrangement particulier avec le cocher, notamment au sujet du prix, afin de prévenir tout malentendu, et d'être en mesure de payer d'avance, si l'on ne veut pas être importuné par le cocher, qui, dans le cas contraire, peut refuser de recevoir son salaire, et se faire payer par le propriétaire de la voiture. Avant un départ de la ville, le cocher doit être payé par le propriétaire de la voiture.

TARIF DE PRIX.
Tous les tarifs de place sont en pence. Le tarif de la nuit, qui s'étend de 10 heures du soir à 5 heures du matin, est de 1 pence par chaque demi-mille, pour une course régulière au mile.

PRIX PAR VOIE.
Les tarifs de place sont en pence. Le tarif de la nuit, qui s'étend de 10 heures du soir à 5 heures du matin, est de 1 pence par chaque demi-mille, pour une course régulière au mile.

LIMITES DE LA MÉTROPOLITAINE.
Les limites de la métropole, telles qu'elles sont définies par la loi, s'étendent de 10 heures du soir à 5 heures du matin, et s'étendent de 10 heures du soir à 5 heures du matin.

PRIX DE RETOUR PENDANT LA NUIT.
Les tarifs de place sont en pence. Le tarif de la nuit, qui s'étend de 10 heures du soir à 5 heures du matin, est de 1 pence par chaque demi-mille, pour une course régulière au mile.

PRIX DE RETOUR PENDANT LE JOUR.
Les tarifs de place sont en pence. Le tarif de la nuit, qui s'étend de 10 heures du soir à 5 heures du matin, est de 1 pence par chaque demi-mille, pour une course régulière au mile.

PENALTIES, ETC.
Les tarifs de place sont en pence. Le tarif de la nuit, qui s'étend de 10 heures du soir à 5 heures du matin, est de 1 pence par chaque demi-mille, pour une course régulière au mile.

NOTES GÉNÉRALES SUR LES VOITURES DE PLACE.
Les tarifs de place sont en pence. Le tarif de la nuit, qui s'étend de 10 heures du soir à 5 heures du matin, est de 1 pence par chaque demi-mille, pour une course régulière au mile.

'No More Disputes with Cabmen!', Simpkin & Marshall confidently promised in *The Times* when issuing their 'New Distance Map of London' in 1851. Their map, priced at a moderate six pence, was made available in 'an elegant case for the waistcoat pocket'. By courtesy of Guildhall Library, City of London.

hitherto suggested to remedy the situation – and they have been many – not one has been found to answer the purpose.' What Friederichs had produced was a plan of London covered in circles of half-mile diameter. By simply calculating the number of circles between one point and another one arrived at the approximate figure of the number of miles covered. In a leaflet Friederichs called upon cab proprietors to affix his map inside their cabs and at night to provide lamps so that passengers could consult them. Further editions and versions of the map appeared in *circa* 1850, 1851 (for visitors to the Great Exhibition), and *circa* 1862 (for visitors to the International Exhibition). According to a note on the later editions, the London map constituted number one of a series of distance maps of the principal towns of the United Kingdom.

The most prolific producer of cab-fare guides and maps, was Edward Mogg. Publisher of *Paterson's Roads*, railway guides, railway handbooks, and tables of waterman's fares, his special interest had always been transport. In 1844 he published an *Omnibus Guide*. In this appeared a list of the fares of the hackney coaches and cabs, 'by which the reader may, in the space of a minute, ascertain what is the legal charge of his journey in one of those carriages, and prevent the imposition, which, to the shame of the drivers of these vehicles, it is their universal custom to attempt.' It was small and could be 'carried in the recess of a fashionable coat without disfiguring the symmetry or encumbering the person of the most fastidious.' Prophesied *The Times* reviewer, 'This book should make cabmen honest.'

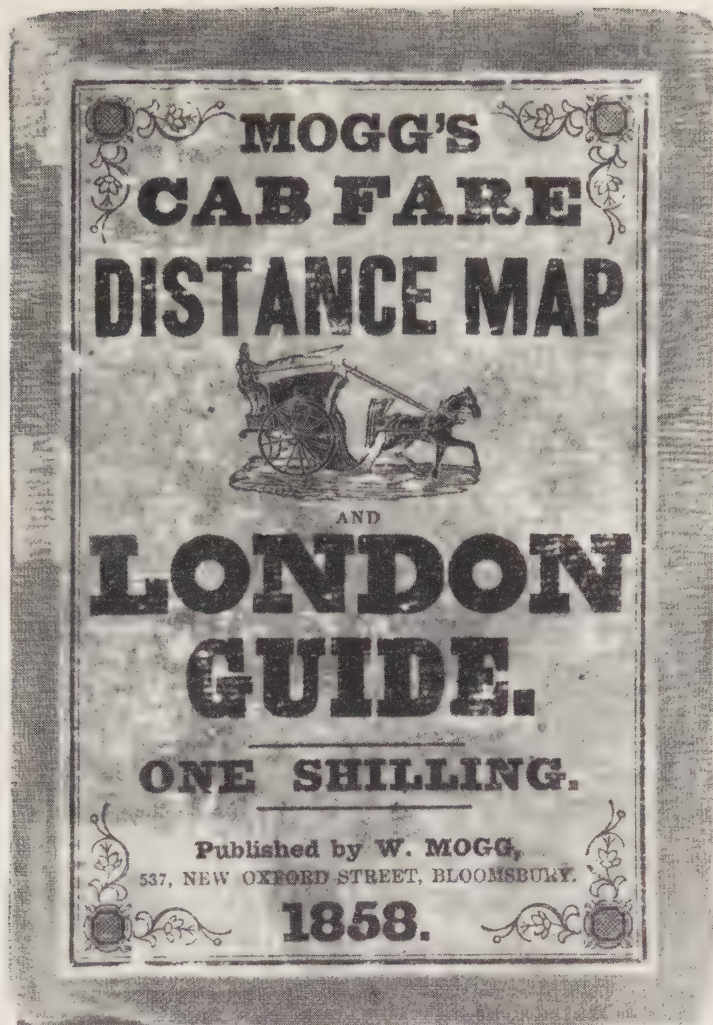
Better known, and certainly far easier to consult within the confines of a cab than Mogg's maps, was *Mogg's Ten Thousand Cab Fares*. This purple-backed volume first appeared in 1851. Mogg announced its publication in the columns of *The Times* whilst taking the opportunity to remind the public of his various

London maps. *The Times* reviewer noticed this new volume too. 'Mr Mogg', he wrote, 'has just produced one of the most useful little volumes that has lately issued from the press.' Sponge, in *Surtees' Mr Sponge's Sporting Tour*, never travelled without Mogg in his pocket. It was, he told his fellow guests in a London hotel on a dreary wet morning, far more useful than 'Dizzy's *Life of Bentinck*. Australia and California, in his opinion, were quite unfit 'for sportsmen and men fond of their Moggs.'

In due course Mogg provided not only cab-fare information and advice, but also a personal service. In the 1846 edition of the *Omnibus Guide* he recommended that passengers finding themselves in a whole series of difficult situations should repair to his office. 'The Editor cannot throw open his doors to answer gratuitously upon application the interrogations of the idle or the curious', he warned, 'but will, in any case of doubt or dispute, furnish at very moderate charge, a correct certificate of distance, a document that will not infrequently be found to supersede the necessity of an application to magisterial authority...' Mogg did not restrict himself to London commissions. On the contrary, distances could be determined and ground measured by experienced surveyors in any part of the kingdom.

In 1845 Edward Mogg published a map entitled 'Modern London and its Environs.' This was initially intended for the Post Office London Directory. In 1856 his successor, William Mogg, adapted the map, in its top margin inserting a second title, 'Mogg's Cab-Fare Map.' The map, issued in three different sizes and sometimes with variant titles, continued to appear until *circa* 1876 by which time it was grossly inaccurate.

Mogg had his rivals. William S. Orr & Co. produced a 'Cab-Fare and Guide Map of London', engraved by Becker's Patent Process, which indicated cab stands and provided half-mile distances



Cover of Mogg's folded 'Postal-District and Cab-Fare Map', 1858 edition. By courtesy of Guildhall Library, City of London.

Captain N. Scrope Shrapnel's 'Stradametrical Survey' supplied a record 14,800,000 mean distances. In 1851 it was supplemented by a list of fares from all the principal streets of London to the Crystal Palace in Hyde Park. By courtesy of Guildhall Library, City of London.

SHRAPNEL'S
STRADAMETRICAL SURVEY OF LONDON & ITS ENVIRONS.
Part II.
 CONTAINING UPWARDS OF
FOURTEEN MILLION EIGHT HUNDRED THOUSAND
MEAN DISTANCES,
 WITH THEIR RELATIVE CAB FARES, TO OR FROM EVERY STREET,
 SQUARE, OR PLACE IN LONDON



By CAPTAIN N. SCROPE SHRAPNEL,
 LATE 3RD DRAGOON GUARDS.
 Entered at Stationers' Hall.
 LONDON:
 WILLIAM GRIGG, 183, REGENT STREET.
 1852.

along thoroughfares. Under the heading, 'No More Disputes with Cabmen', Simpkin & Co. advertised 'an elegant waistcoat-pocket map of London, divided by triangles over the whole surface, the sides of the angles being equal to half a mile, or, in cab value, equal to 4d.' The splendidly named Captain N. Scrope Shrapnel, late of the 3rd Dragoon Guards, published several editions of a volume of tables entitled *Shrapnel's Stradametrical Survey of London* containing a record 14,800,000 mean distances!

In 1853, in consequence of the most outrageous overcharging of foreign visitors in London for the Great Exhibition, the Government passed the Act for the Better Regulation of Metropolitan Stage and Hackney Carriages. From that date the only legal fares were those based on distances measured by authority of the Commissioner of Police on a 'perambulator'. (One of these instruments survives at Bow Street Police Station.) Before the close of 1853 both the City and the Metropolitan Police had brought out official tables, a cruel blow to Mogg and his like. A cute waistcoat-pocket volume measuring one and a half inches by three and a half inches was published by Houlston & Wright in 1864. This contained an invaluable vocabulary for brave non-fluent visitors ('What will you charge to drive me to —?'; 'It is too much, I will give you —') but only 29,520 fares, taken with permission from police calculations, and a sad little 'Chart of London' that is unlikely to be more than of marginal interest to the average map collector of today.

Further Reading:

James Howgego, *Printed Maps of London, circa 1553-1850* (Folkestone: William Dawson 1979). Ralph Hyde, *Printed Maps of Victorian London, 1851-1900* (Folkestone: William Dawson 1975). W.J. Gordon, *The Horse-World of London* (London: Religious Tract Society 1893). Henry Charles Moore, *Omnibuses and Cabs: Their Origin and History* (London: Chapman & Hall 1902). Max Schlesinger, *Saunterings in and about London* (London: Nathaniel Cooke 1853). NB. The author would like to thank Mr Donald Hodson who kindly supplied him with the Overton advertisement mentioned above, and an unidentified gentleman at a recent meeting of the Ephemera Society who drew his attention to Mr Sponge's enthusiasm for *Mogg's Ten Thousand Cab Fares*.

THE "BRAZIL ATLAS"
BY JOAN BLAEU, AMSTERDAM, 1662



The complete set of six maps
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All six in fine contemporary color.

Above: Bahia region



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Maps of Germany from the 16th & 17th Centuries



NIEUWE, EN WARACHTIGHE BESCHRYVINGHE VAN DEN RHYN STROOM EN DE NIEWE VAERT, Van Den Rhyn Inde Mase, Begonnen A° 1626. Visscher excudebat 1622. Gedrukt Voor Broer Janss.

The course of the Rhine from Basle to Rotterdam. A strong impression with early colour, of an unusual map.

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Aaron Arrowsmith



A portrait of Aaron Arrowsmith from the British Museum. (Photo by John Freeman)

by R.V. Tooley

AARON ARROWSMITH (1750-1823) was one of the greatest English cartographers but he has hardly received the attention that is his due.

Born at Winston in County Durham in poor circumstances with few material advantages, he moved to London in 1770 and worked possibly for Faden and certainly for John Cary. For the latter he took the measurements of the roads from London to Falmouth which were published in 1782. He is also said to have taken the pedometer measurements for Cary's county maps and probably learned the art of engraving at his establishment.

He set up on his own account in 1790 as surveyor, publisher and engraver working at Castle Street in Long Acre, London. In 1794 he moved to 5 Charles Street, Soho Square; moving in 1802 to 24 Rathbone Place and finally to 10 Soho Square in 1810.

His first production was a 'Chart of the World upon Mercator's Projection' showing all the new discoveries which was published on January 1, 1790 on eleven sheets. This large map (152.5cms x 264cms) was based on the astronomical observations taken during the voyages of Captain James Cook. It has now become extremely rare. It set a standard and style that was followed in his later publications and settled his reputation internationally. His largest publication was his map of Southern India on eighteen sheets in 1822 but probably his most prized publication was his 'Chart of the Pacific Ocean' on nine sheets published in 1798 with later editions in 1800?, 1808, 1810 and posthumously in 1832. His map of America, which was issued on three large sheets on January 1, 1795, was reissued with additions in 1796, 1802, 1811, 1814, 1819, 1821 and posthumously in 1824, 1838 and 1850. His map of the United States on four sheets was published in 1796 (three issues) and also in 1802, 1808, 1816 and 1819.

Arrowsmith's output was considerable but his fame rested mainly on his numerous large scale maps which were constantly

MAPS & CHARTS Published by A. ARROWSMITH

Nº 10 SOHO SQUARE LONDON.

MAPS

		L S D
World	6 Sheets	1.11.6
Europe	4 D°	1.1.
Asia	4 D°	1.1.
Africa	4 D°	1.1.
America	4 D°	1.1.
North America	6 D°	1.13.
India	6 D°	2.2.
West Indies	4 D°	1.1.
Egypt	4 D°	1.1.
Upper Egypt	1 D°	10.6.
United States	4 D°	1.1.
Eastern Islands	4 D°	1.5.
North Italy	4 D°	3.3.
South Italy	4 D°	2.2.
Island of Ceylon	1 D°	10.6.
Scotland	4 D°	3.13.6
Env ^s of Constantinople	4 D°	1.11.6
Cape of Good Hope	4 D°	1.1.
Operation in Egypt	1 D°	10.6.
Malabar Provinces	1 D°	10.6.
Buenos Ayres	1 D°	10.6.
Troade	1 D°	5.
Pyrenees	10 D°	3.13.6
South America	6 D°	4.4.
Europe	4 D°	4.4.
Ireland	4 D°	3.13.6
Mexico	4 D°	1.11.6
Japan &c.	4 D°	1.11.6
Roads of Portugal	2 D°	10.6.
World	8 D°	3.3.
Dalmatia	2 D°	1.1.
Germany	7 D°	6.6.
Persia	2 D°	1.11.6
England	4 D°	3.13.6
Country between Delhi and Constantinople	8 D°	1.1.
Sketch of the Countries between Jerusalem and Aleppo	2 D°	1.1.
Holland	6 D°	3.3.
England	18 D°	12.12.
India	9 D°	5.5.
South Africa	1 D°	10.6.
France & Belgium	6 D°	6.6.
Louisiana	1 D°	1.1.

CHARTS

		L S D
World	8 Sheets	1.11.6
British Channel	7 D°	2.2.
South Atlantic Ocean	4 D°	1.5.
Atlantic Ocean	4 D°	1.5.
Northern Seas	4 D°	1.5.
Cape of Good Hope	4 D°	1.1.
Indian Ocean	4 D°	1.5.
Eastern Passages	4 D°	1.5.
South Sea	9 D°	2.12.6
D°	1 D°	10.6.
Bass's Strait &c.	3 D°	1.1.
Mediterranean Sea	3 D°	1.1.
Greek Islands	3 D°	1.5.
Baltic Straits	4 D°	1.1.
Strait of Dover	1 D°	6.
Chart round Cape Horn	1 D°	7.6.
West Indies	4 D°	1.5.
Red Sea	2 D°	1.1.
Port Jackson	1 D°	6.
Malmo Channel	1 D°	6.
Marquesas &c.	1 D°	6.
Cocoas &c.	1 D°	6.
Galapagos	1 D°	6.
Harbour of Panama	1 D°	6.
River Plata	1 D°	6.
Sea of Marmora	1 D°	7.
Strait of Constantinople	2 D°	7.
Black Sea	1 D°	6.
Caribbee Isles	1 D°	7.
Virgin Isles	1 D°	6.
Saints	1 D°	5.
Harbour of Dungeness	1 D°	3.6.
Socotra &c.	1 D°	6.
Harbour of Curacao	1 D°	2.6.
India Pilot		8.8.6
South Sea Pilots		6.16.6
Orkney & Shetland	1 Sheet	7.
Elbe & Weser	1 D°	6.
Jade & Weser	1 D°	6.
Mouths of the Ganges	2 D°	10.6.
P. of Wales I ^s	1 D°	5.2.
Coast of Brasil	5 Sheets	1.10.
Coast of France	3 D°	1.1.
Passages E. of New Guinea	1 D°	7.
Coast of Labrador	1 D°	7.
Coast of North America	3 D°	1.1.
Port Royal N.A.	1 D°	7.
Charlestown Harbour	1 D°	6.
New York Harbour	1 D°	6.
West Coast of S th America	3 D°	18.
Persian Gulf	1 D°	7.
Dangers in the Mediterranean	1 D°	7.
Cape of Good Hope	1 D°	7.
Cape of Good Ho. to the Lof France	1 D°	7.
Coast of Portugal	3 D°	1.1.
Coast of China	1 D°	7.
Philippine Islands	1 D°	7.
Passages between Bouru & Gilolo	1 D°	7.
Texel and Helder	1 D°	6.
Fjee Islands	1 D°	7.

revised and brought up to date with the latest discoveries. But he also issued small single maps, plans and charts and some atlases - A *Pilot from England to Canton* 1806, the atlas to Thomson's *Alcedo* 1816, a *New General Atlas* 1817, an *Atlas of South India* 1822, and an *Ancient Geography* 1828. He compiled and engraved maps for

Hansard's *Parliamentary Paper* and the Royal Geographical Society's journal in addition to executing maps for other publishers like Pinkerton, Black Parbury and Allen, Baldwin Cradock and Joy, and Cadell and Davies.

As his wealth and reputation increased he had to employ other

engravers apart from his family giving employment to T. Foot, J. Pickett, George Allen, J. Palmer, T. Lowry and Sidney Hall.

He was appointed Hydrographer to the Prince of Wales about 1810 and later in 1820 to His Majesty. He corresponded with and received information from the principal explorers of his time -

Bass, Colnett, Flinders, Major Rennell and others - and from institutions like the Hydrographical Office of the Admiralty under Alexander Dalrymple, from the Hudson Bay Company, the Ordnance Office and the East India Company.

Arrowsmith was noted for the precision and accuracy of his

MAPS & CHARTS			
PUBLISHED BY			
A. ARROWSMITH,			
Hydrographer to His Majesty,			
No. 10, SOHO SQUARE.			
MAPS.			
W. No.	Descript.	Sheets	£ s. d.
6 7	WORLD, on globular projection	6 sheets	1 11 6
8 7	WORLD, on Mercator's projection	8 do.	3 3 0
3 1	EUROPE - - -	4 do.	1 1 0
7 1	EUROPE - - -	4 do.	4 4 0
3 1	ENGLAND - - -	4 do.	3 13 6
3 6	ENGLAND - - -	18 do.	12 12 0
5 1	SCOTLAND - - -	4 do.	3 13 6
5 1	IRELAND - - -	4 do.	3 13 6
5 11	HOLLAND - - -	6 do.	3 3 0
7 2	FRANCE and BELGIUM	6 do.	6 6 0
7 4	PYRENEES - - -	10 do.	3 13 6
7 2	SPAIN and PORTUGAL	12 do.	3 3 0
4 6	ROADS of PORTUGAL	2 do.	0 10 6
6 9	GERMANY - - -	7 do.	6 6 0
5 3	NORTH ITALY - - -	4 do.	3 5 0
5 6	SOUTH ITALY - - -	4 do.	2 2 0
6 8	DALMATIA - - -	2 do.	1 1 0
5 7	TURKEY in EUROPE	4 do.	1 11 6
2 10	GREECE, &c. with Ancient and Modern names	1 do.	0 14 0
3 5	GREECE, &c. do.	6 do.	4 4 0

W. No.	Descript.	Sheets	£ s. d.
5 1	ASIA - - -	4 sheets	1 1 0
7 1	ASIA - - -	4 do.	4 4 0
2 10	ASIA MINOR - - -	1 do.	0 10 6
1 7	PLAIN of TROY - - -	1 do.	0 5 6
2 10	SYRIA, with Ancient and Modern Names	2 do.	1 1 0
9 5	COUNTRY between DELHI and CONSTANTINOPLE	8 do.	4 4 0
4 6	PERSIA - - -	2 do.	1 11 6
2 10	ASSAM - - -	1 do.	0 5 0
2 4	INDIA - - -	6 do.	0 10 6
5 7	INDIA - - -	6 do.	2 2 0
8 4	INDIA - - -	9 do.	5 5 0
11 0	ATLAS of SOUTH INDIA	18 do.	10 10 0
2 5	MALABAR PROVINCES	1 do.	0 10 6
2 2	CEYLON - - -	1 do.	0 10 6
6 6	EASTERN ISLANDS - - -	4 do.	1 5 0
3 5	NEW SOUTH WALES	1 do.	0 10 6
2 4	VAN DIEMEN'S LAND	1 do.	0 7 0
6 1	JAPAN, &c. - - -	4 do.	1 11 6
2 10	PACIFIC OCEAN - - -	1 do.	0 10 6
7 10	PACIFIC OCEAN - - -	9 do.	2 12 6
5 1	AFRICA - - -	4 do.	1 1 0
5 6	AFRICA - - -	4 do.	3 3 0
2 10	EGYPT - - -	2 do.	1 1 0
5 5	LOWER EGYPT - - -	4 do.	1 1 0
2 4	UPPER EGYPT - - -	1 do.	0 10 6
5 1	CAPE OF GOOD HOPE	4 do.	1 1 0
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maps, his integrity and the excellence of his engraving and his skill in assembling reports and sketch maps which were sent to him by distinguished travellers and explorers.

It is hoped that the three catalogues of Aaron Arrowsmith's map publications, reproduced entirely, will be of interest to

collectors and inspire a more extensive study of this remarkable man.

NB. Alexander McGechan and Coolie Verner have written of the maps in the Parliamentary Papers by the Arrowsmiths (*Map Collectors' Circle* Nos. 88 and 89, 1973).

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The Indigenous Maps and Mapping of North American Indians

by G. Malcolm Lewis

Mr Lewis, of the geography department at Sheffield University, is at present researching the cartography of pre-literate cultures including the North American Indians. Here, he gives us an insight into his findings - some of which may surprise you like the fact that many North American Indians could draw maps at the time of their first contact with white people. As Mr Lewis points out, given the significance of Indian maps and mapping activities it is surprising that scholars in the past have devoted so little attention to it.

SOME, IF NOT ALL of the Indians of North America could draw maps at the time of their first contact with white people and many still do so. From the mid-sixteenth century until very recent times whites throughout North America collected from Indians geographically arranged information about unknown or inadequately known areas.

This meant that a map of the rivers and lakes of northwestern Manitoba given by a Chipewyan Indian in 1940 to the amateur explorer Prentice G. Downes, engaged in filling in a detail of the geography of that area, was probably similar in essence and had much the same significance for Downes as a map of the lower Colorado River some 400 years before, which had been drawn by a native at the request of Fernando Alarcon, the first European ever attempting to ascend it.¹ There are several hundred records of similar gifts and solicitations of maps but because of their ephemeral nature or geographically remote origins the originals have rarely survived. For the pre-nineteenth century period even contemporary transcripts are rare and are seldom acknowledged or readily recognisable on either explorers' or printed maps.

The frequent use in early reports (and rather less frequently on maps) of the ambiguous word 'relation' in acknowledging information derived from natives rarely indicated whether the geographically arranged information had been 'related' by word of mouth, by gesture, in drawings (of which maps were merely special cases) or by means of a combination of these. For example, the manuscript map of the east coast of North America sent by Don Alonso de Velasco, the Spanish ambassador in London, to Philip III in 1611 was compiled from a number of sources and differentiated in blue those features which had been 'done by the relations of the Indians.'² However, the straightness of the rivers and the indication of a false coastline just beyond the sources of the west bank tributaries of Chesapeake Bay and of two enormous lakes in northern New England could reflect either misinterpretation of non graphical information or false incorporation of information received from Indians in cartographic form. The absence of chirography (handwriting) in any of the more than 500 native languages, the universal difficulty of conveying geographical relationships by means of language alone and the existence of well developed pictographic traditions throughout the continent suggest that many of the relations received from the natives probably included a map or map-like component.

The early printed accounts incorporating information received in Indian relations were rarely accompanied by maps. William Hole's 'Virginia' in John Smith's *A map of Virginia* ... is a notable exception.³ Twenty-four Maltese crosses, mainly located on rivers draining into Chesapeake Bay, indicate the inland limit of the area which, according to the key, had 'bin discovered'. Beyond the crosses the delineations were based on the 'information of the Savages, and ... set downe, according to their instructions.'⁴ In 1607, when only eighteen miles upstream from Jamestown, Smith had met an Indian who had at first offered to describe the James River 'with his foote' (presumably in sand or silt) and who eventually drew with pen on paper 'the whole River from Chesseian (Chesapeake) bay to the end of it so far as passadg was



'Ikmallick and Apelagliu'. A coloured lithograph by J. Brandard from the original drawing by Captain Sir John Ross, in John Ross, 'Narrative of a Second Voyage in Search of a North-West Passage...' (London 1835), facing p. 260.

The entry for January 12, 1830 records, 'The promised hydrographer Ikmallick came to us this morning accompanied by Tiagashu, and they were taken into the cabin ... Some paper containing a sketch of the land already known between Repulse bay and Prince Regent inlet, was now laid before them, with the names of different places marked. These were at (259) once recognised: and Ikmallick then taking the pencil, proceeded to prolong the sketch from Akullee, following very nearly, for a very considerable space, the line already traced by Tulluakiu. After this, he prolonged it still further westward instead of turning to the north, as the latter had done; then continuing it to the north-west in a direction more favourable to our views. He did not, however, insert the islands; nor could we discover how many days it was estimated from the end of his chart to Akullee near Repulse bay; but he drew Wager bay and its river very correctly, making (sic) also several other rivers. He further gave us to understand that our ship could sail that way till the autumn; and with this information we were obliged for the present to be content.'⁵ (260).

for boates: ...'⁵ In the following year Powhatan, the overlord of tidewater Virginia, 'drew plots upon the ground' in the course of telling Smith about the tribes to the north and west and the supposed sea beyond the mountains of the interior.⁶ These incidents occurred only eight days and sixteen months respectively after the English had settled at Jamestown. Quite clearly, here, as elsewhere in North America, some if not all of the natives could draw maps at the time of their first contact with whites.

Prehistoric evidence of mapping in North America is controvertible. Until recently there was a tendency to categorize as maps the non-pictorial, non-geometrical and otherwise inexplicable networks which occur on rock carvings (petroglyphs) in many parts of the continent. Whilst most of these are non cartographic and others are not prehistoric a minority may be both. A basalt rock by the Snake River in Idaho preserves a much weathered but deeply carved network, which appears to be the course of the river and its major tributaries for perhaps one thousand miles below its source, together with adjacent mountain ranges represented by means of circles.⁷ A systematic investigation of this and other examples of supposedly cartographic petroglyphs is long overdue but they are widely dispersed, difficult to date and often remote or difficult to reach. Furthermore, as evidenced by native maps of the early historic period, Indian representations of actual networks (whether drainage, routes or boundaries) were not drawn to scale and were characterised by gross distortions of direction i.e. they had more in common with a plan of the London Underground than with an Ordnance Survey map. Relating their representations to actual networks in the absence of supporting evidence is therefore dubious practice and prehistoric petroglyphs are not accompanied by such evidence.

There is no doubt that before they were exposed to examples of European cartography the native peoples of north America made

A RECONSTRUCTION OF -

A MODEL OF THE WORLD CONSTRUCTED BY POWHATAN INDIANS IN THE COURSE OF THREE DAYS OF INCANTATIONS DURING THEIR DETAINMENT OF CAPTAIN JOHN SMITH AT PAMAUNK IN 1607

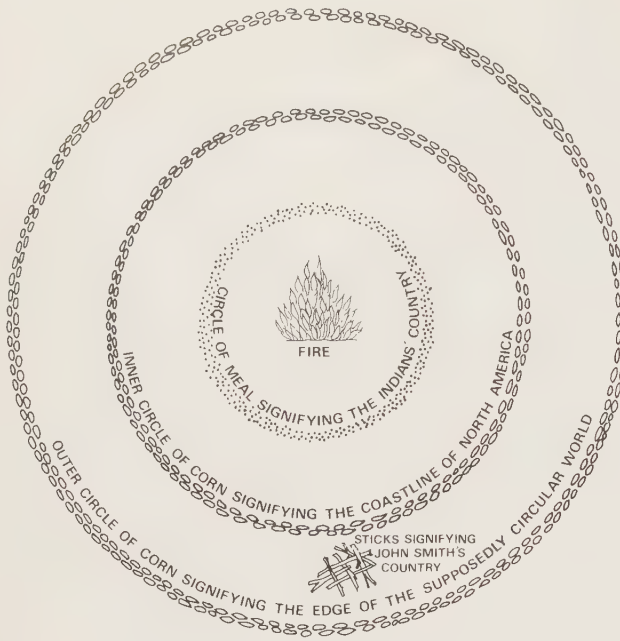


Fig. 1.

A reconstruction of a model of the world made on the ground by Powhatan Indians in 1607.

Drawing of Red Sky's migration chart. The original birchbark scroll (103" long and in 6 sections) was collected at Shoal Lake, Ontario, in 1966 and is now in the Glenbow-Alberta Institute, Calgary. (Reproduced from Dewdney (1975), fig. 47). From 'The Sacred Scrolls of the Southern Ojibway' (c. Univ. of Toronto Press 1975).

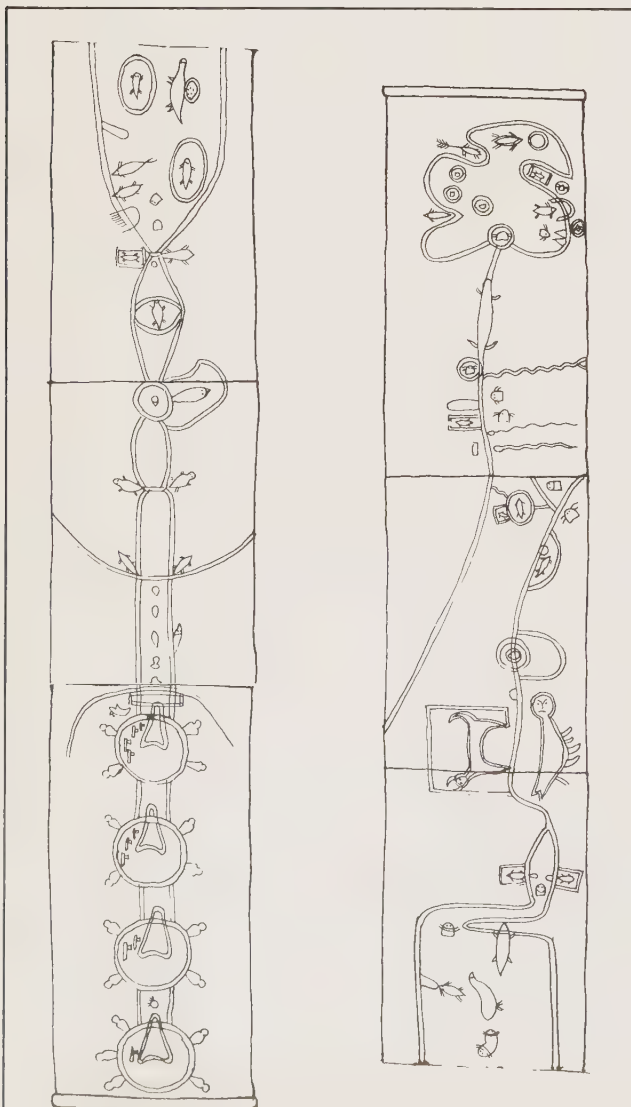


Fig. 2.

A RECONSTRUCTION OF -

'THE GREAT BOOK OF WRITING' AS DRAWN ON DEER SKIN BY A DELAWARE INDIAN (SUPPOSEDLY UNDER THE DIRECTION OF THE GREAT SPIRIT) IN 1762 FOR USE AS A VISUAL AID AND MNEMONIC

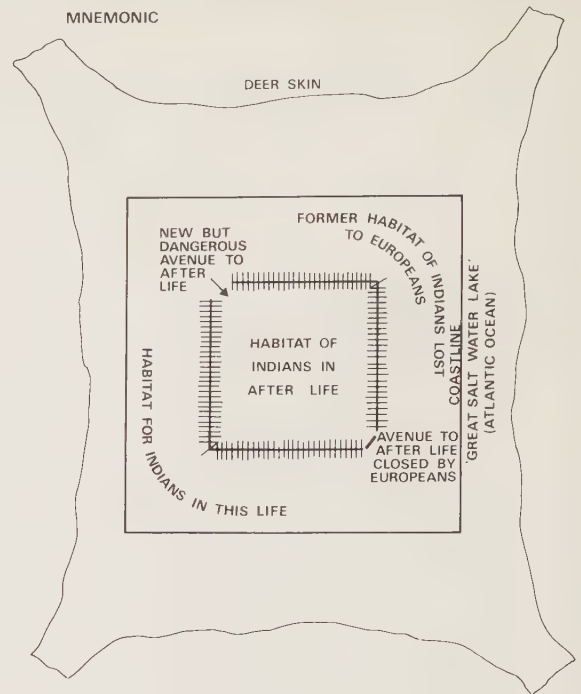


Fig. 2

A reconstruction of a 'map' on skin of the locations of the former, current and after-life habitats of the Delaware Indians in 1762.

maps. After contact they continued to do so for any of four indigenous purposes: to express cosmological ideas; to record migrations, battles and other events; to brief war parties; and to leave as directions for others. John Smith described how in 1607 Powhatan Indians of Virginia used meal and corn to construct three concentric circles about a fire to represent their country, the coastline and the edge of the supposedly circular world and how they placed a pile of sticks between the coastline and the edge of the world to depict the country from which he had come (Fig. 1).⁸

In 1762 a Delaware Indian preacher used as a visual aid a map drawn on deer skin, of which he made copies for trade, thus making him one of North America's earliest native commercial cartographers (Fig. 2).⁹ It consisted of two concentric squares, the outer of which enclosed the land and the inner the habitat of Indians in their after life. The area between the two squares was further divided into the habitat of the Indians in this life and their former habitat, which had been lost to the whites. Opposite corners of the inner square represented a former avenue to after life, access to which had been closed by the whites, and a newly opened but dangerous alternative. Less cosmological and less abstract than either of these are certain of the birchbark scrolls of the Southern Ojibway of Minnesota whose religion, the Midé, they believe came to them when they lived on or near the Atlantic coast. Some of their scrolls record the migration of their religion.¹⁰ All of these are vague towards the right (east) in their representation of the area of origin and early migration but towards the left (west), where they depict the later and more clearly recollected migrations, topographic detail becomes increasingly recognizable, especially for the area between the head of Lake Superior and Leech Lake, Minnesota (Figs. 3a and b).

Even more representational is a map done boldly, perhaps with a stick or finger, in ink on paper and presented by an Iowa Chief in 1837 as evidence in a dispute over land at a council between Indians of the upper Mississippi and middle Missouri valleys respectively.¹¹ It depicts, quite recognizably, the drainage systems of the Mississippi and Missouri Rivers and their tributaries above St. Louis, settlements and a complex network of migration routes between Green Bay, Wisconsin, and the middle Missouri valley (Figs. 4a and b). There is no key but the journal of the council proceedings makes it quite clear that the route depicted the migration of the Chief's forefathers and that the settlements are

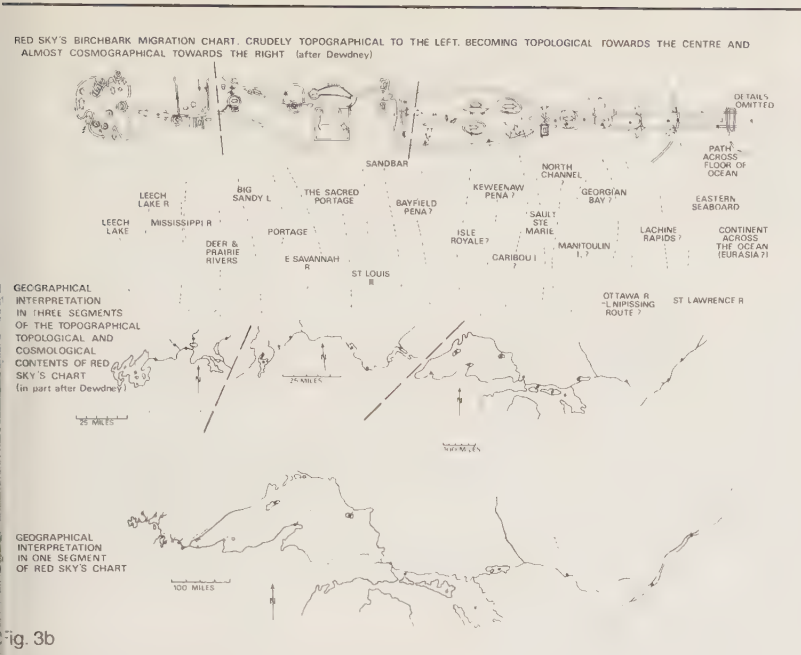
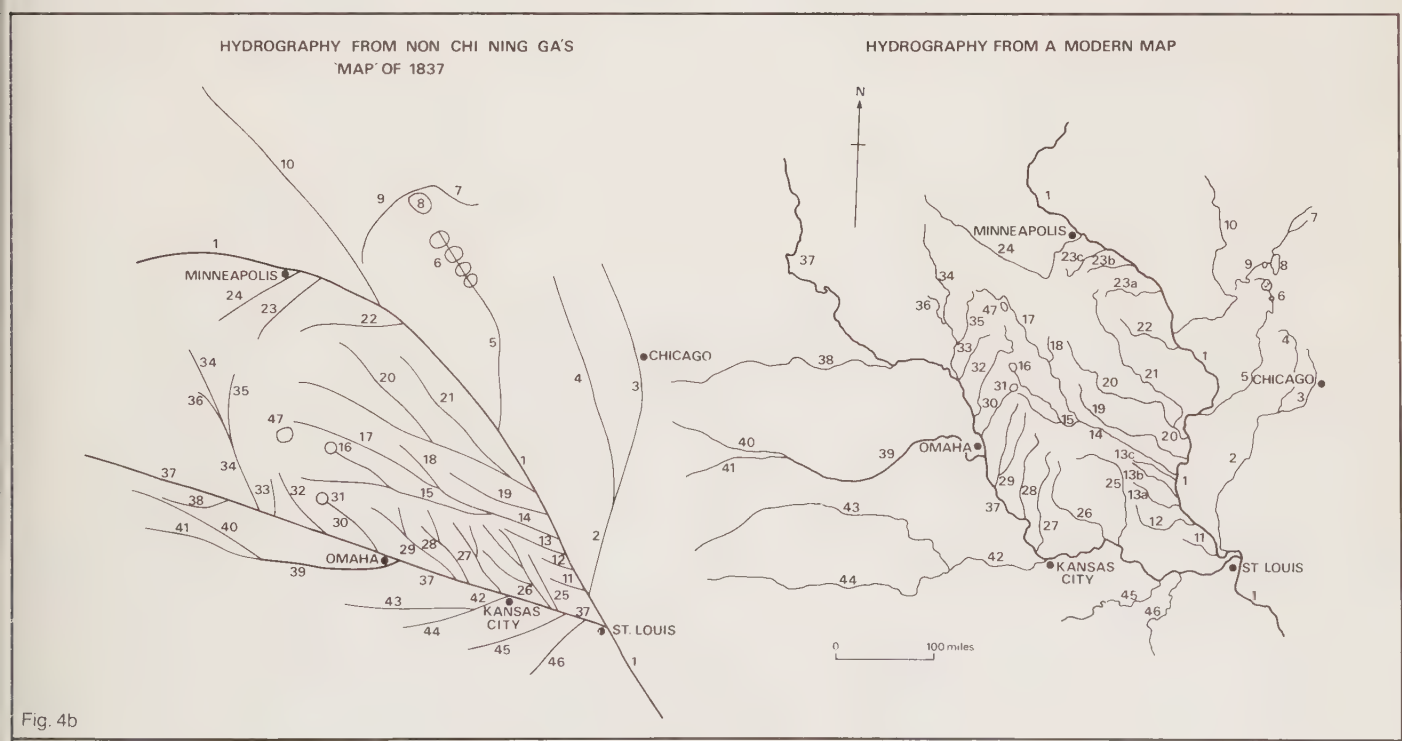


Fig. 3b
Geographical Interpretation of Red Sky's migration chart.



Fig. 4a Manuscript map on paper (1041 x 687mm) of the upper Mississippi and lower Missouri drainage systems presented by Non chi ning ga, an Iowa Chief, at a council held in Washington, D.C., on 7 October, 1837. (Cartographic Branch, National Archives, Washington, D.C. Record Group 75, Map 821, Tube 520.)



Interpretation of the hydrography on Non chi ning ga's map.

- | | | | |
|---|---|-----------------------------|--------------------|
| 1 MISSISSIPPI R. | 13 a) SOUTH FABIUS or b) WYAONDA | 24 MINNESOTA R. | 36 SKUNK CREEK? |
| 2 ILLINOIS R. | or c) FOX (IOWA) R. | 25 CHARITON R. | 37 MISSOURI R. |
| 3 DES PLAINES R. | | 26 GRAND R. | 38 NIOBRARA R. |
| 4 FOX R. (ILLINOIS-WISCONSIN) | 14 DES MOINES R. | 27 PLATTE R. (MISSOURI) | 39 PLATTE R. |
| 5 ROCK R. (ILLINOIS-WISCONSIN) | 15 RACCOON R. (WITH W AND E FORKS) | 28 NODAWAY R. | 40 NORTH PLATTE R. |
| 6 SERIES OF SMALL LAKES AND SWAMPS ON THE UPPER ROCK R. | 16 STORM L. | 29 NISHNABOTNA R. | 41 SOUTH PLATTE R. |
| 7 GREEN BAY? | 17 WEST FORK DES MOINES R. | 30 BOYER R. | 42 KANSAS R. |
| 8 L. WINNEBAGO | 18 EAST FORK DES MOINES R. | 31 BLACKHAWK L. | 43 REPUBLICAN R. |
| 9 FOX R. (WISCONSIN) | 19 SKUNK R. | 32 LITTLE SIOUX R. | 44 SMOKY HILL R. |
| 10 WISCONSIN R. | 20 IOWA R. | 33 FLOYD R. | 45 OSAGE R. |
| 11 CUIVRE R. | 21 CEDAR R. | 34 BIG SIOUX R. | 46 GASCONADE R. |
| 12 SALT R. | 22 TURKEY R. | 35 ROCK R. (MINNESOTA-IOWA) | 47 HERON LAKE |
| | 23 a) ROOT or b) ZUMBRO or c) CANNON R. | | |

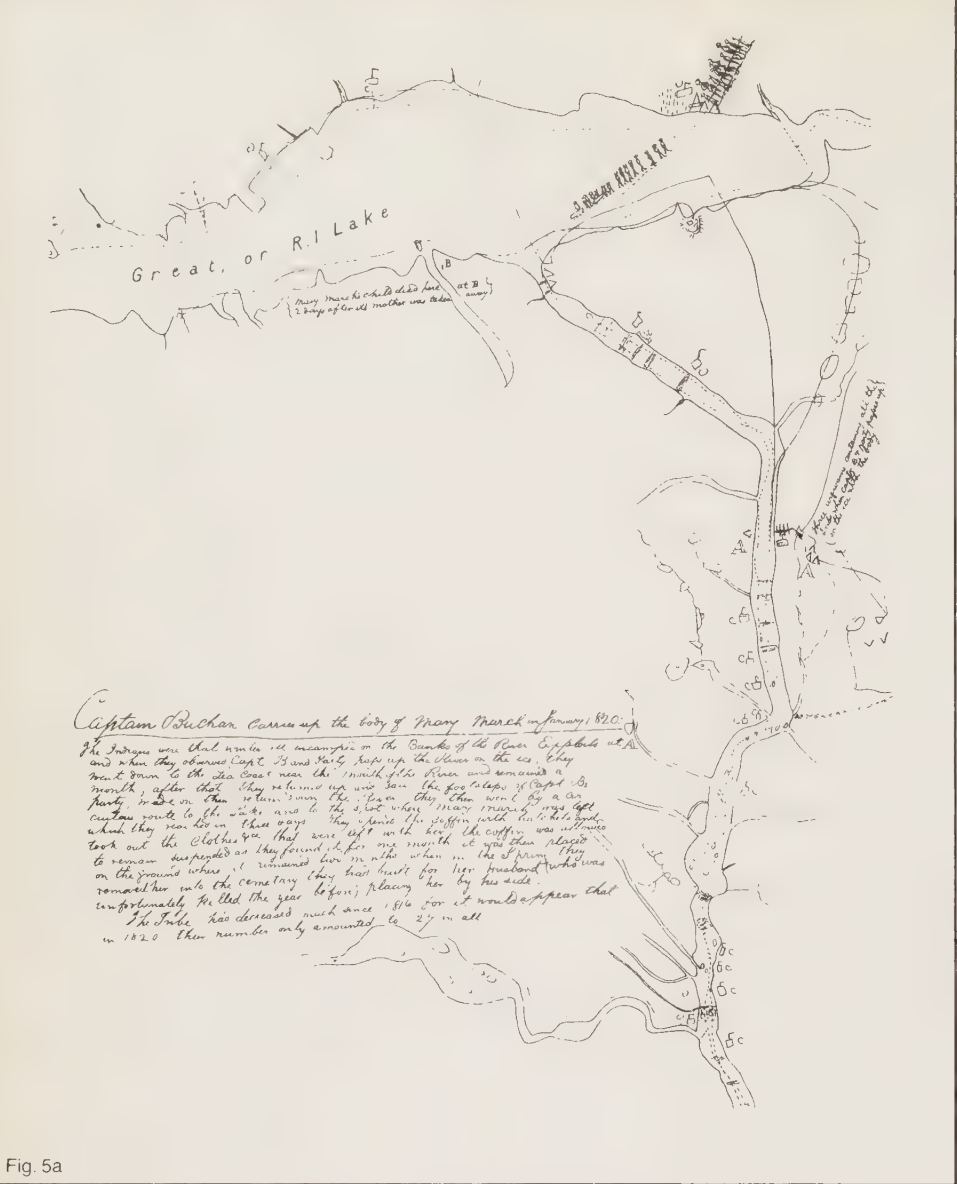
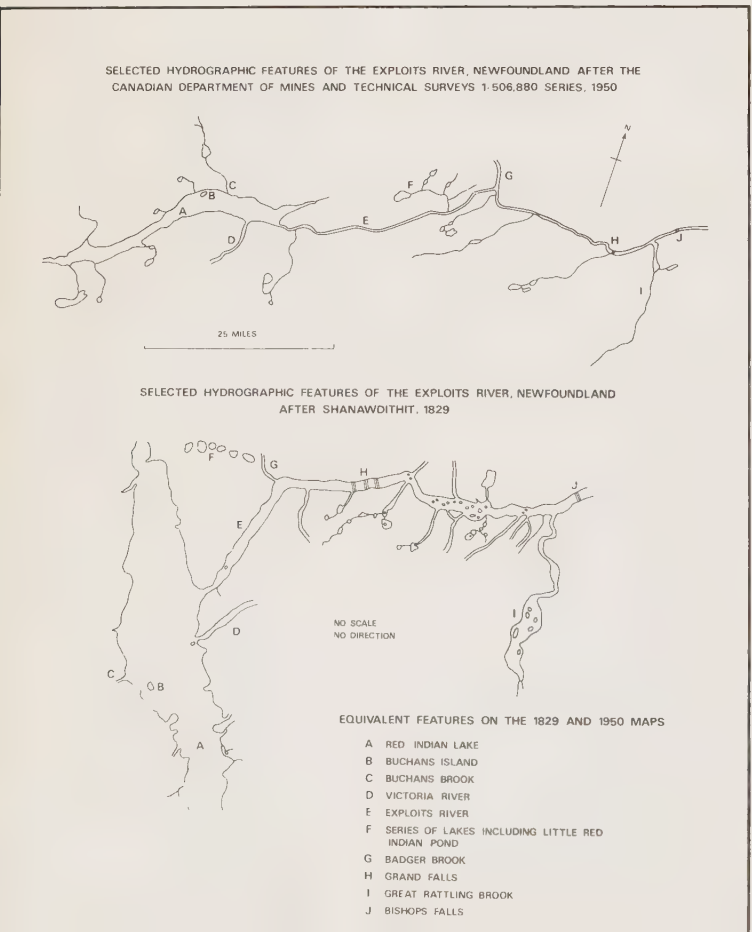


Fig. 5a

Manuscript map on paper in two sheets (each 432 x 559mm) of part of the Exploits River, Newfoundland, drawn in 1829 by Shanawdithit, the last known Beothuck Indian, to show a sequence of events of nine years before. The names and explanation appear to be contemporary supplementations (Newfoundland Museum, St. John's, Cat. No. NF 3306. Reproduced from Howley (1915), sketch III).



Interpretation of the hydrography on Shanawdithit's map.

which most members of the tribe were killed, captured or died.¹² In addition to depicting routes and recording events, these maps show in remarkable and readily interpretable detail the rivers, lakes, islands and coasts of a physically complex area between the head of Notre Dame Bay and Red Indian Lake. Drawn on paper, they show the Indians and everything pertaining to them in red (the Beothucks were known by the early explorers as the red men because of their use of red ochre), whereas the white men and topographical features were drawn in black. (Figs. 5a and b).

Perhaps because of the secretiveness of the occasions there are relatively few records of maps drawn for military purposes. Early in the nineteenth century the Comanche Indians used maps drawn on the ground with a finger or stick to instruct war parties about to make forays into strange territory. These maps, made by the older men surrounded by a circle of young braves, were constructed in increments of one-day journeys, the braves being expected to memorize the details of one day's route before the next was revealed to them. In addition to the larger rivers and streams they

showed the hills, valleys, ravines, hidden water holes and unusual or striking features. One such map was produced prior to a party of teenage braves making a more than 1500 mile return foray from Brady Creek in central Texas to Monterrey, Mexico.¹³ In the 1860s two tribes of Nootka Indians on the west coast of Vancouver Island prepared to attack the village of a third tribe on an island some eighty miles to the north. They adjourned to a smooth sandy beach, where the husband of a woman from the third tribe outlined in the sand the island, its coves, beaches and tracks and the village with its divisions and houses.¹⁴ The houses of important men were represented by piles of sand and from time to time others who knew the area were consulted on points of detail. The map was then used to brief the whole of the war party as to the number of men in each division of the village, their arms and supposed ammunition, and the personal characteristics of the important men whose houses had been modelled.

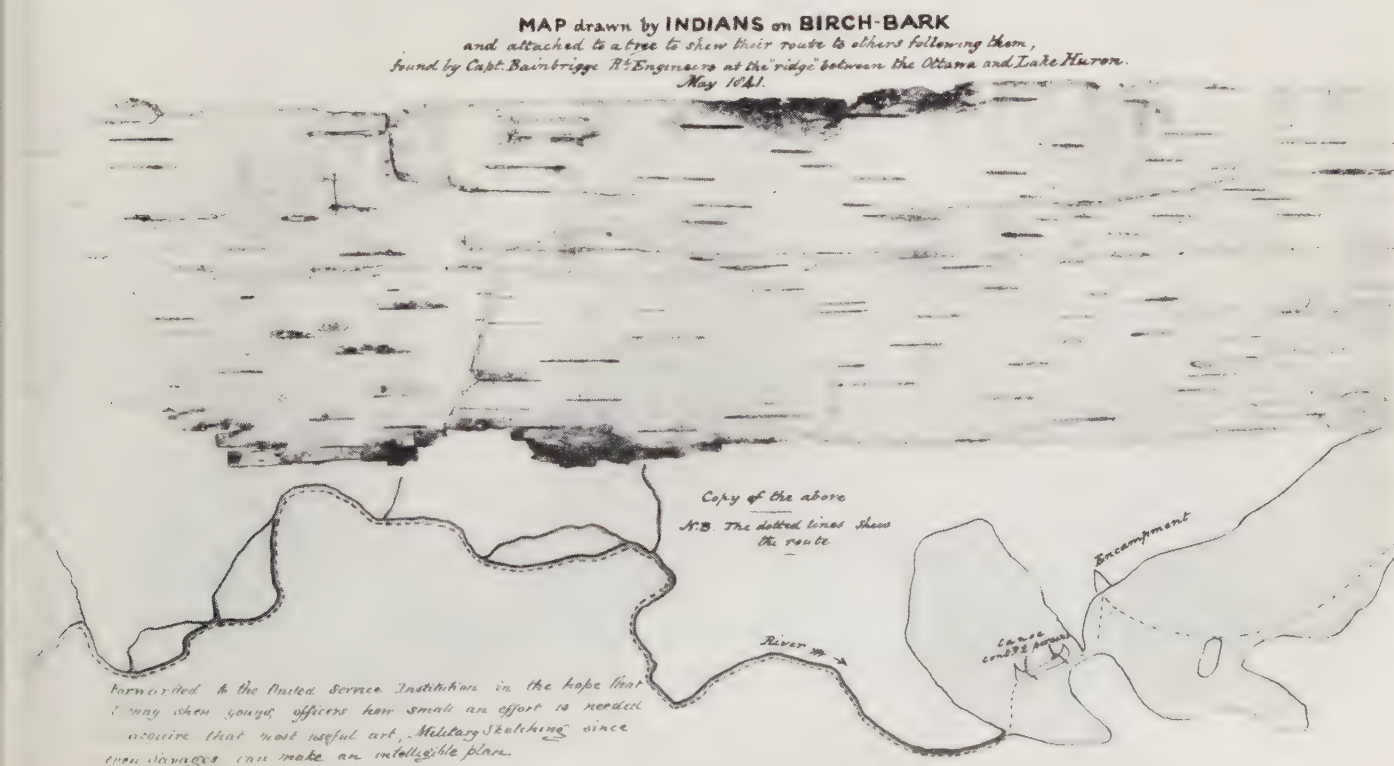
The need to leave messages created perhaps the most widespread occasion for indigenous mapping. In the northern part of the continent, where the bark of the white tree birches afforded a widely available medium, maps were inscribed on the inner surface of the bark with wooden, stone or, later, metal styli and left behind in prominent or predetermined places. Until the middle of the nineteenth century such maps were particularly common in the upper Mississippi valley and Great Lakes basin, where they were often found inserted into the end of a pole which had been stripped of its bark to make it conspicuous. They usually indicated the number and composition of the party, the mode of travel, the completed and proposed routes and the immediate destination. The cartographic component, usually limited to the representation of rivers, lakes, portages (at which canoes had to be carried between waterways) and camp sites along the route, was perfectly intelligible to those with a knowledge of the area but variable scale, stereotyped representation of features and disregard for direction resulted in patterns quite unlike those on a modern topographic map. Because of their short-lived function and fragile nature few examples have survived but one which was found in 1841 on the watershed between the Ottawa River and Lake Huron was forwarded to the United Services Institution by Captain Bainbrige R.E. in the hope that it might 'shew young officers how small an effort is needed to acquire that most useful art, Military Sketching...' (Fig. 6).¹⁵ Other examples are related to

hunting activities. One from Maine depicts in relation to a river system the movements of two Passamaquoddy hunters. They set out together up the main river but separated at a fork. One followed the right-hand branch as far as a lake, where he erected his tepee. Failing to make a kill he became hungry but was away hunting when his partner arrived from the left-hand fork. Finding a birchbark message with an upturned pot symbolizing hunger the partner added topographical information about the area around his tepee on the left fork, indicated his hunting success by means of a mooses' head at the site where he had made the kill and inserted the route between the two tepees as an invitation to his partner to join him (Figs. 7a and b).¹⁶

Extant examples of early maps drawn for indigenous use are relatively rare, either because they were not made to last, were made on fragile or otherwise impermanent materials or were considered unimportant by the whites who saw them. Occasionally they come onto the market. Recent examples include the British Library's purchase from the Royal United Services Institution of the birchbark map found by Captain Bainbrige in 1841. As recently as October 1978 eight birchbark maps of northwestern Ontario were auctioned in Montreal. They were collected by Robert Bell about 1890 but Douglas W. Marshall of the William L. Clements Library has reservations about the provenance of four pieces purchased by the library. More exciting, but far more problematical, is a painted skin which is supposed to date from 1607 and to incorporate within its complex design a crude chart of the James River, Virginia. Purchased about 1940 by Frank H. Stewart of Philadelphia it is now in the Special Collections Division of the Learning Resource Center at Glassboro State College, New Jersey. It would appear to have been overlooked since Stewart wrote a newspaper article about it in 1945 and merits re-examination in the light of recent historical research and with the aid of new analytical techniques.¹⁷ Items of this type in public collections are almost always classified as artefacts rather than maps and their cartographic content has not always been apparent to custodians or included in their descriptions. Whereas transcripts of Indian maps are usually readily found in archival and map collections, often associated with the papers of those who collected them, artefacts are usually included in the ethnographic collections of museums and private collectors. Hence, they are more difficult to locate. Dewdney's

Fig. 6

Map incised on birchbark (89 x 376mm) found by Captain Bainbrige R.E. near the Ottawa River - Lake Huron watershed in 1841. (The Map Library, British Library, Mss. No. R.U.S.I. folio 3).



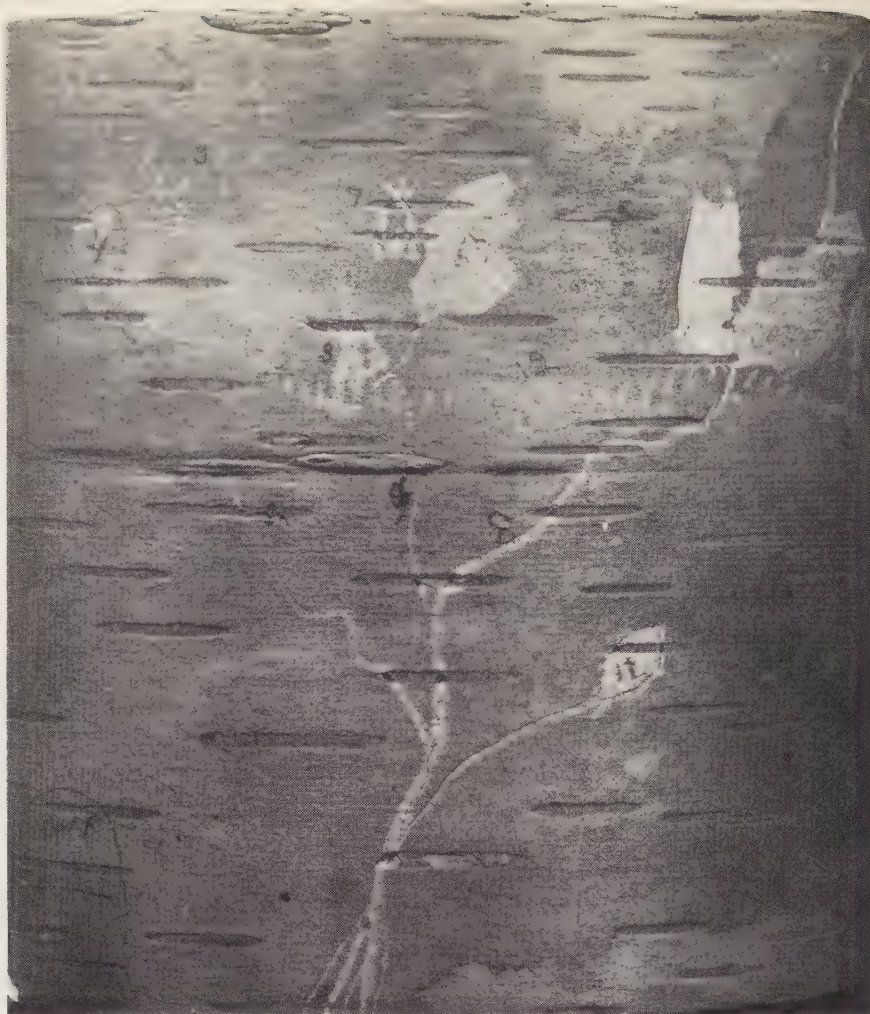
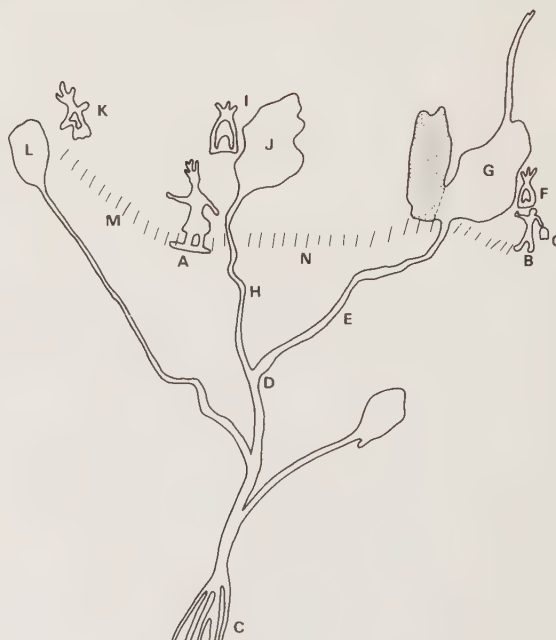


Fig. 7a
Map incised on birch bark (114 x 117mm) depicting the activities of two Indians on a hunting expedition in northern Maine, presented by Sapiel Selmo, a Passamaquoddy Chief in or just before 1887 (National Anthropological Archives, Washington, D.C., Pictograph 393, 433).

RECONSTRUCTION AND INTERPRETATION OF SAPIEL SELMO'S BIRCHBARK
'MAP' OF 1887 OR EARLIER



A and B Two hunters

C Muddy estuary of river D (Perhaps on coast of NE Maine)

F Tipi erected by B on lake G after leaving hunter A at D and following river E alone

I Tipi erected by A on lake J after leaving hunter B at D and following river H alone

M A's hunting path to kill moose K on lake L

N A's path to tell B at F of hunting success, where however B was absent but had left an upturned pot O to signify hunger and failure in the hunt

N.B. F, O and B are distorted on the plate due to curvature of the birchbark

The left hand (stippled) part of lake G may represent damage to the cambium of the bark rather than part of the lake as originally scribed

Interpretation of Sapiel Selmo's map (mainly after Mallory (1893).

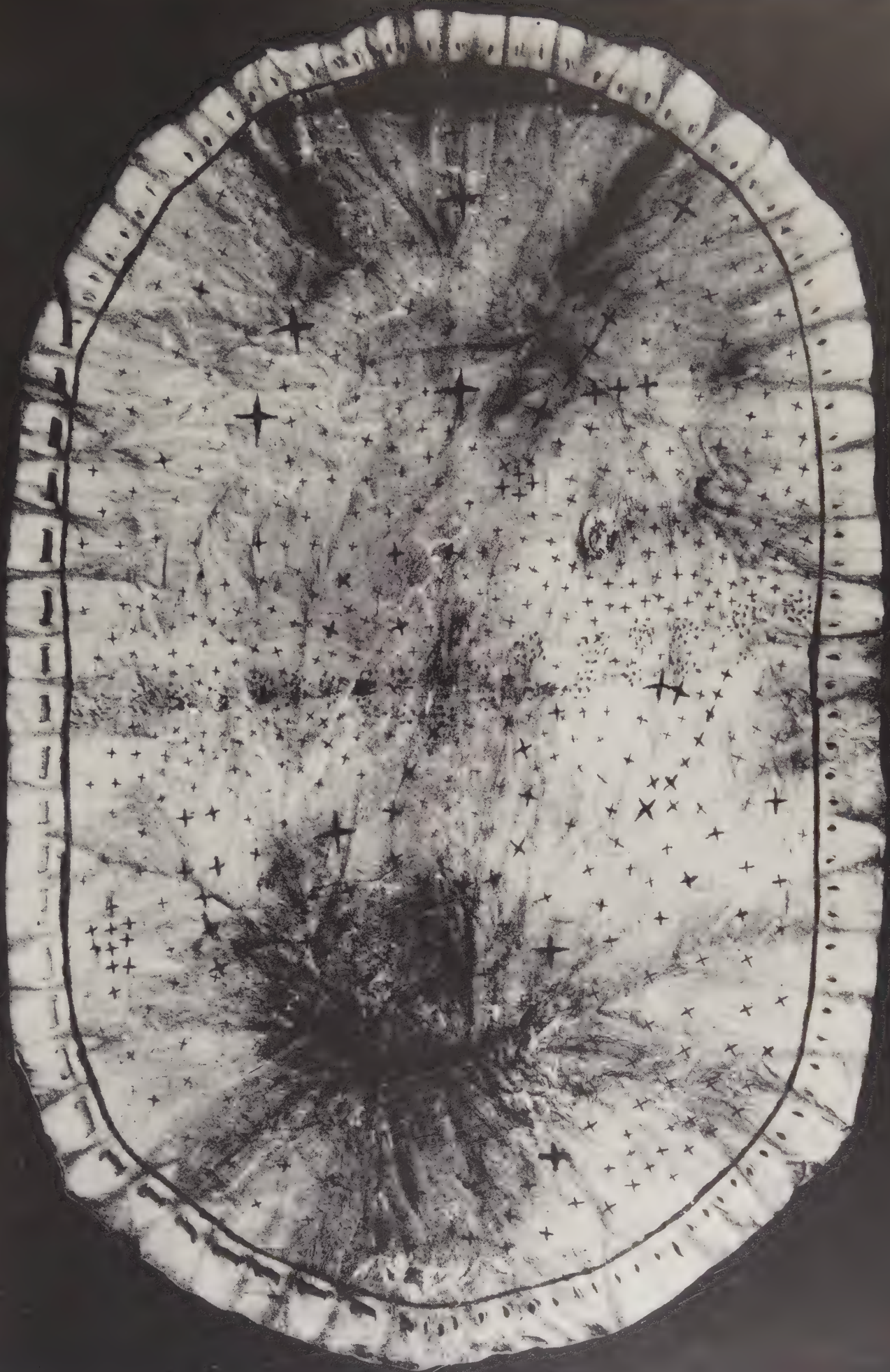


Fig. 8
Sky chart on buckskin by a member of the Skidi band of Pawnees, collected by James R. Murie at Pawnee, Oklahoma, in 1906 (Field Museum, Chicago, Cat. No. 71898-10)

analysis of Southern Ojibway migration charts was based on eight certain and seven possible examples located in nine public (US 4, Canada 3, UK 2) and three private collections. An interesting Pawnee sky chart on buckskin in the Field Museum, Chicago, could provide the beginning for an equally interesting analysis of astronomical knowledge but would involve an act of faith that other examples could be found (Fig. 8).

More numerous, though perhaps less significant, are the maps solicited from the Indians by whites. Most of these are on paper, though some of the earliest are on skin. Prior to the mid nineteenth century they were solicited by explorers, traders, soldiers and missionaries in the course of their activities on the fringes of the continent's vast *terra incognita*. Thereafter, field scientists became the most assiduous class of collectors and, because of their systematic training and institutional support, it is their collections which have tended to survive. In most cases they were interested in the information content of the maps rather than in the maps as artefacts and they therefore tended to make transcripts rather than preserve the originals. Though less significant in terms of what they reveal about the ways in which Indians viewed and represented their world, solicited maps are important as historical evidence in general and as sources which were often included, albeit unacknowledged, in the mixes of data from which pre-survey printed maps were compiled. Indeed, they are so important that they merit separate treatment.

Given the significance of Indian maps and mapping activities and of the mapping of pre-literate peoples in general it is surprising that scholars have devoted so little attention to it. German scholars from Alexander von Humboldt in 1836 to Georg Friederici in 1936 were a partial exception and Bruno Adler's 350 page global review of 1910 (in Russian but best known through an inadequate eleven page abridgement in English¹⁸) remains the best single source. Friederici was specifically concerned with American examples¹⁹ but in common with other German scholars he was content to cull the literature of exploration for references to aboriginal mapping activities without searching in archives and museums for examples of the art. For approximately half a century the Germans also lost interest in the topic. In a global survey of the history of cartography which exceeded 500 pages Bagrow's three and a quarter pages on the maps of primitive peoples may well have adequately reflected the relative status of research but was a grave injustice to the topic.²⁰ Within the last ten years there have been signs of renewed interest, at least within North America, where geographers in particular have begun to make significant contributions.²¹ Work on a provisional cartobibliography of both Indian and Inuit maps is nearing completion.²² In a five volume survey of the history of cartography which it is proposed to publish in the early 1980s a major section on the cartography of pre-literate cultures will contain a substantial contribution relating to North America.²³ However, many maps and references to mapping still remain unknown, unrecorded or unreported. Collectors, custodians as well as scholars share a responsibility to discover, record and report them. In doing so they will extend the still too narrow base which will lead, among other things, to a fuller understanding not only of the maps themselves but of the cognitions and skills which created them, the purposes for which they were intended, and their significance in the exploration and mapping of North America.

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- 2 Untitled manuscript map of the east coast of North America (the 'Velasco' map), 1611, in the Archivo General de Simancas. Reproduced in colour in William P. Cumming *et. al.*, *The Discovery of North America* (London, 1971), pp. 266-7.
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- 5 'A relasyon ... written ... by a gent. of ye Colony', in 1607, in the Public Record Office, London. Reprinted in Philip L. Barbour ed., 'The Jamestown voyages under the first Charter 1606-1609', vol. 1, *Hakluyt Society, 2nd Series*, no. 136 (Cambridge, 1969), p. 82.
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- 9 John Heckewelder, 'An account of the history, manners, and customs of the Indian natives...' *Transactions of the Historical and Literary Committee of the American Philosophical Society 1* (1819), pp. 286-90.
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- 11 Untitled manuscript map presented by Non Chi ning a (No Heart) now in the National Archives, Cartographic Branch, Washington D.C., originally accompanying 'Journal of proceedings of a council held in the city of Washington D.C. with a delegation of Chiefs and braves ... Oct. 7, 1837 at 10 o'clock A.M.', also in the National Archives.
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- 15 Map incised on birchbark and accompanied by the explanation 'Map drawn by Indians... found by Capt. Bainbrigg R.I. Engineers at the 'ridge' between the Ottawa and Lake Huron. May 1841', British Library Map Room.
- 16 Map supplied by Sapiel Selmo, a Passamaquoddy Chief, in 1887, incised on birchbark and depicting the activities of two Indians on a hunting expedition, National Anthropological Archives, Washington, D.C. Redrafted version with explanation in Garrick Mallery, 'Picture writing of the American Indians', *10th Annual Report of the Bureau of American Ethnology 1888-9* (Washington, D.C., 1893), fig. 458 and pp. 349-50.
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- 18 Bruno F. Adler, translated and abridged by H. De. Hutorowicz, 'Maps of primitive peoples', *Bulletin of the American Geographical Society* 43 (1911), 669-79.
- 19 Georg Friederici, *Der Charakter der Entdeckung und Eroberung Amerikas durch die Europiaer* (Stuttgart, 1936), v. 1, 157-61.
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- 23 To be edited by J. Brian Harley and David Woodward for the University of Chicago Press. Volume 1, which is provisionally scheduled to go to press in 1982, will contain a 50,000 word global review of the cartography of pre-literate peoples.

NB The research upon which this paper is based was supported by financial assistance received at various times from the Newberry Library, the British Academy, the Social Science Research Council (UK) and the University of Sheffield Research Fund.

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International Congress in Berlin

The imposing mushroom-shaped Congress Hall set amongst the trees of the Tiergarten in West Berlin was the venue for the eighth international conference on the history of cartography held in September.

Over 100 delegates from all parts of the world - except those from Poland and East Germany who could not be there - were in the hall on the first day of the conference to hear a welcome by Professor Dr. Wolfgang Scharfe, chairman of the organising committee. He said that the large number of participants showed the lively interest being shown worldwide in the history of cartography. He was thanked by Professor Eila Campbell (Birbeck College, University of London) on behalf of the directors of *Imago Mundi*.

'It is a very happy thing for me to come to Berlin because I am mindful of the fact that *Imago Mundi* was founded here forty years ago by Dr Leo Bagrow,' Professor Campbell told the audience. She added that the conference promised to be the 'best ever.'

Dr Douglas Marshall of the University of Michigan, Ann Arbor, USA, presenting his paper on Military Drawing Conventions, 1650-1900, at the Conference held in West Berlin recently.



Amongst those presenting papers on the first day were Dr Klaus Lindner (Berlin), Professor Cornelis Koeman (Utrecht University) and Dr Johannes Dörflinger of Vienna. Adding a touch of glamour to the platform was Mireille Pastoureau of the Bibliothèque Nationale in Paris who spoke about *L'Édition cartographique en France avant 1700*.

At the end of an exhausting day of papers the delegates left by bus for the opening of an exhibition entitled 'Prussia represented in maps' held at the Privy State Archives. In their enthusiasm for the exhibition many delegates missed the bus back and despite having to fathom the cartographic difficulties of the Berlin underground most arrived safely at their hotels!

Day two dawned a little damp and overcast but with the enthusiasm of the speakers discussing their papers the weather was soon forgotten. Dr Douglas Marshall (University of Michigan, Ann Arbor) started the proceedings with a fascinating talk about Military Drawing Conventions, 1650-1900 and he answered questions from Christopher Terrell (National Maritime Museum, London) and Rear Admiral George Ritchie (International Hydrographic Bureau, Monte Carlo). Other speakers included Dr David Woodward (The Newberry Library, Chicago); Professor Romain Rainero (University of Milan) and two delegates from England - Sarah Tyacke (British Library, London) who held everyone's interest with a paper about the earliest known charts of Guiana and the river Amazon and Dr Brian Harley (Exeter University) who gave a lively paper on cartography and politics in the nineteenth century: the case of the Ordnance Survey map and the Board of Health map.

A short walk across the Tiergarten led delegates at the end of that day's session to the ultra-modern State Library where there was another reception and a visit to an exhibition about Carl Ritter.

It was here that everyone had a surprise when Dr Helen Wallis (British Library,

London) stood up and made a presentation to Dr Walter Ristow, who retired last year as Chief of the Geography and Map Division of the Library of Congress. It was in the form of a 'Festschrift' entitled *The Map Librarian in the Modern World* and included a biography and essays by many of his friends and colleagues.

'We are inviting you all to share with us a very special occasion,' Dr Wallis told everyone. 'We are honouring our dear friend and colleague Walter Ristow. The international community of map librarians is now paying tribute to Wally in the form of a presentation in the name of the Geography and Map Librarians Section of IFLA. IFLA was founded in 1927 but there was no provision within it for geography and map libraries so in 1968 an organising committee was set up with Wally Ristow as chairman. We then met at the IFLA congress in Copenhagen in 1969 and the Geography and Map Libraries subsection was founded. Wally was responsible for the first project we undertook, the World Directory of Map Collections which appeared in 1976.'

Dr Wallis added that other librarians coming to attend their section meetings had commented most favourably on two things - the quality of the work and the family atmosphere of warmth, loyalty and friendship among the members. She also thanked Helen, Dr Ristow's wife for the part she played in creating a 'family atmosphere'. Joint editors of the 'Festschrift' were Dr Wallis and Dr Lothar Zogner of the State Library.

The following day there were further papers in the morning and a tour of Berlin by bus with regard to town planning followed by a reception given by the Senat von Berlin in the Commander's Hall, Spandau Citadel. The last two days the delegates were able to discuss the papers while travelling by bus to Wolfenbüttel where they visited the Duke Augustus Library with an exhibition of maps organised by Dr. A.W. Lang.

Next international conference will be held in Piza, Italy in two year's time.

PROFILE

Inspired by his Stepfather



Douglas Adams

DOUGLAS ADAMS, who has recently been appointed map dealer at the newly opened map department of Tooley's in Museum Street, London, inherited his love of maps and dealing from his stepfather Ronald Tooley.

He is now carrying on the family tradition by passing on his knowledge to his own stepson, Stephen, who is his assistant in the

new department.

Douglas was born in London and apart from the time he spent during the war when he was evacuated to Norfolk and his national service in the RAF, he has lived and worked there all his life. He lives in Fulham at the moment with his second wife, Daphne and his teenage daughter, Dawn.

'I feel at home working from London,' Douglas told *The Map Collector*. He is enjoying his new job - previously he was a map dealer at Francis Edwards in Marylebone High Street for thirteen years - and sees it as a 'great challenge'. Already he has been to the USA buying maps to stock his new department.

Douglas started his career after leaving school as an electrician and it was only when he first met Ronald Tooley, who was then a director of Francis Edwards and one of the country's leading authorities on early maps, that he first began to see the fascination of maps.

'I started at Edwards on a trial basis,' he said, 'and was not at all sure how I would like working there after working with my hands as an electrician. But I went there for three months and stayed thirteen years so I obviously enjoyed it.'

Tooley's will be stocking maps and prints from all parts of the world and Douglas will be pleased to see both his old and new customers.

Around and About

NEWS



A new map company named Mappa Mundi Ltd., has opened its offices at 5, Albemarle Street, London W1 (just off Piccadilly). It has been set up by Noel Carrington, who was Commercial Manager of Stanley Gibbons' Mapsellers for three years, and Helmut Weiss, who has been a map dealer on the continent for a number of years, and they will be dealing in maps and atlases. The building in Albemarle Street is an old Adam house and is believed to have been lived in by Nell Gwynn. (However, Mr Carrington and Mr Weiss have asked us to point out that they will not be stocking oranges!)

Another new map company, R.V. Tooley Ltd. were hoping to open their premises this month as we were going to press. The building in Museum Street, near the British Library in London, has been completely refurbished and Doug Adams, previously of Francis Edwards, will be occupying the whole of the first floor with his map and print department.

A party was held at the Guildhall Library recently to launch Part 4A of the London map Series, entitled an *A-Z of Elizabethan London*, with identifications by Adrian Prockter and Robert Taylor. It is published by Harry Margary and the Guildhall Library and is taken from the map of about 1561 attributed to Ralph Agas. Many experts have contributed new identifications of buildings and there are altogether 1,000 identifications which are overprinted in red on the map. The volume consists of an introductory text by John Fisher of the Guildhall Library, the atlas section containing the Agas map supplemented by the copperplate map and the Braun and Hogenberg map, followed by the index. Available from either the Guildhall Library, Aldermanbury, London EC2 or Harry Margary, Lympe Castle, Kent.

Christian Skov of Kortkabinet, a company dealing in old and rare books, prints, maps and

charts is at present studying maps and charts of Denmark during the period 1427-1825 and would like to hear from any readers who can supplement his material. Mr Skov, who has an MA degree in history from the University of Copenhagen, has been managing director of Kortkabinet for the past three years. His address is Helenevej 2 Postboks 37, DK 2960, Rungsted Kyst, Denmark.

Its amazing what you can get out of a matchbox! Apart from matches it seems you can get a Moule county map real life facsimile at the 'specially reduced price' of £11! Look out for this amazing offer in the press - its well worth a good laugh.

Map Collector Publications Ltd. of Tring, Hertfordshire, England, have just brought out a 1980 Catalogue of Books on early maps and voyages of discovery which have influenced the development of cartography. This should be helpful for people who find it difficult to obtain information on books in print.

People who knew Arthur Corfe when he was at the Map Room at the British Library and at Robert Douwma's in London, will be interested to hear that in his mid-sixties he has moved to Melbourne, Australia, to run a new map shop. It is the first foreign branch of Robert Douwma (Prints and Maps) Ltd. and they chose Australia because it is a new market hitherto unexploited. Also at the shop will be Sian Woolston who spent a year at Douwma's London office to learn the business.

Two unrecorded maps are for sale at Robert Douwma (Prints and Maps) Ltd. of London. One is a circular Ptolemaic map of the British Isles and it is surprising that this hitherto unknown woodcut map should have been issued in 1578, the year before Christopher Saxton's famous *Atlas of England & Wales* was completed. Its author, Johann Georg Schinbain signs himself with a Latin form of his name derived from shin-bone or tibia. The other is also a British Isles map but this time by Jodocus Hondius the younger of 1617. With the discovery of this map, it can now be shown that this unfairly neglected engraver and map maker provided the British Isles sheet for the two major atlases of the 1630's, the Mercator-Hondius and Blaeu publications. Both these maps and many other rare and interesting maps are described in a catalogue recently written by Tony Campbell of Douwmas. He told 'The Map Collector' that this 'magnificent collection of maps' had taken two years to put together.

Looking back 27 years

IN CATALOGUE 721 entitled 'Maps of the North' issued by Francis Edwards Limited of London in 1952, there were some fascinating atlases and maps of Scandinavia for sale at prices which seem quite absurd to us today. The introduction states, 'It cannot be stressed too much that these maps are becoming increasingly scarce. We have been able to form the following collections by a fortunate combination of circumstances that is unlikely to occur again.' A Blaeu atlas of 1648 in six volumes in contemporary colouring was on sale for the grand sum of £700; three atlases by Abraham Ortelius with the *Theatrum Orbis Terrarum* (1595) the most expensive at £350. Another *Theatrum* (1574) was priced at £100 and the *Epitome Theatri Orteliana* with 112 miniature maps (1601) was £20. Ptolemy's *Cosmographia* (1490) stated to be a 'rare' second Rome edition was £300. Many of the single maps were priced at £1 and even a Coronelli of Iceland was only £2 10s.

Cartographical Curiosities 6



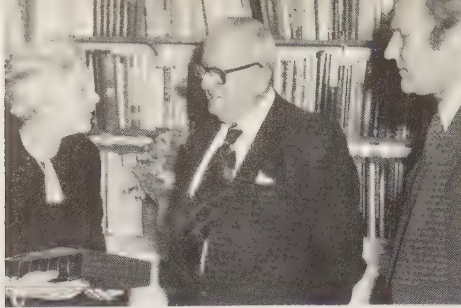
This lovely map of Pooh Corner, 'drawn by me and Mr Shephard helped', has delighted both children and grown ups alike. It is based on the area around Cotchford Farm in Sussex where the author of the Pooh Bear and Christopher Robin books lived. It would be fascinating to hear from any readers who live near here whether the terrain has changed at all. (By courtesy of the British Library.)

81 Years Young

TO MARK HIS 81st birthday and at the same time to launch his new book 'Mapping of Australia', a party was held in London for Ronald Vere Tooley accompanied by his wife on September 29.

Mr Tooley is known by everyone in the trade as 'Mick' and the reason for this is that his birthday falls on St Michael's Day. The party was given by Richard Leach of Holland Press, the publishers of the book, and Stephanie Hoppen-Leach, Consulting Editor of the series, and among the guests were two of Mick's oldest friends from New York. They were Rosejeanne Slifer, who was the main map buyer of Altman's in New York, and Bob Tollett, her successor.

Rosejeanne presented Mick with a luxury



Rosejeanne Slifer, formerly map buyer for Altman's in New York, a colleague and friend of Ronald Tooley, is pictured presenting him with a luxury edition of his book *Mapping of Australia*. The occasion was a double celebration - his 81st birthday and the launching of his Australian book. On the right looking on is Richard Leach of Holland Press who, together with his wife Stephanie, organised the event.

leather bound edition of his book 'Mapping of Australia' and he then cut the cake which was iced with a map of Australia. Telegrams of congratulations were received from Mick's friends all over the world.

New Facts emerge about Saxton

MANUSCRIPT MAPS AND surveys never before documented and hitherto unknown facts about his life are included in a new book about Britain's most famous cartographer, Christopher Saxton.

The book, entitled *Christopher Saxton, Elizabethan Map-Maker*, was launched in November at a reception held at the Minster Library, York. It has been written by Ifor Jones, who is Senior Lecturer in Geography at Kingston Polytechnic and Heather Lawrence, who has also written a book about Yorkshire Pottery.

The launch of the book coincided with an exhibition of Saxton's work, at the Minster

Library, which will be open until the end of December. It includes the Library's own copy of Saxton's Atlas of England and Wales and other material including Saxton's maps of the Home Counties loaned by Baynton-Williams of London. The exhibition was organised to mark the 400th anniversary of the publication of Saxton's atlas.

At the launching, Mr Barr, the chief archivist at the Minster Library introduced Ronald Tooley, who spoke about the relevance of Saxton in the history of mapping. He also mentioned that Saxton was born near Wakefield and lived in later life at Dunningley, also in Yorkshire. The book contains new information on Saxton's life and work including his commissions for various landowners and the authors have identified fifty manuscript maps and surveys never before documented.

A preface to the book is written by Dr Helen Wallis, Keeper of the Map Room at the British Library. It is published jointly by Wakefield Historical Publications and Holland Press and costs £20.



President Navon of Israel is seen examining the maps and views on display at the stand of Holy Land Maps of London in Jerusalem recently. The occasion was an antiques fair where Mr & Mrs M. Hus, who run Holy Land Maps from Princes Park Avenue, Golders Green, London NW11, were exhibiting maps from the sixteenth century onwards. Also on show were prints and views of the Holy Land including David Roberts' Views of Palestine. Mr & Mrs Hus have also exhibited their Holy Land Collection at an antiques fair in Tel Aviv and Antwerp. (By courtesy of M. Hus).

Early Maps of Britain at Phillips

ONE OF THE earliest maps of the British Isles - depicting a Scotland that extends dramatically 38

eastwards across the North Sea - attracted eager bidding at Phillips' sale of books, atlases and maps in September.

It was a 1478 Florence version by Francesco Berlinghieri, using an original projection of Ptolemy (150AD), and is considered to be the second or third earliest map of the British Isles. It was sold with another fifteenth century map using a Ptolemy projection - Asia Minor, Ulm edition 1486. Together, the price was £1900 to a private collector.

OBITUARY

Coolie Verner

NEWS OF THE death of Coolie Verner at his home on Mayne Island, British Columbia, on 12 October 1979, was received with great regret by his many friends in Great Britain and throughout the world. Coolie Verner retired two years ago as Professor of Adult Education at the University of British Columbia. To readers of the Map Collector he is better known for his distinguished parallel career (the word 'secondary' does not seem appropriate) as an historian of cartography.

Coolie was an 'original' in everything he did. Even the way he acquired his unusual Christian name was characteristic. His father (we believe) was an American general in China, and Coolie's early years were spent in the Far East. When due to take their infant son to church to be christened, his parents were ill and they entrusted Coolie to his ayah. Forgetting at the appropriate moment the name she had been told to say, the ayah gave the familiar name 'Coolie'. The family were old-established tobacco planters in Virginia, and Coolie lived for many years at the family farm.

To quote from the blurb of his most recent book, Coolie was a rural sociologist by training, an adult educator by profession, and a carto-bibliographer by interest. His first degree was an A.B. received in 1937 from the College of William and Mary in Williamsburg, Virginia. During World War II he served with the United States Army as a bomb disposal officer in the American, European and Pacific theatres, winning the Purple Heart and the Army Commendation Medal. British readers of *The Map Collector* will be especially interested to hear that Coolie was in the team which saved St. Paul's Cathedral in the Battle of Britain by removing unexploded bombs. While undertaking this dangerous work in London he was wounded in an explosion, and in later years still suffered the after-effects.

After the war Coolie studied at Columbia University where he gained his MA (1951) and Ed.D. (1952). In 1952 he received a Fulbright Fellowship to England and so returned to London in happier circumstances as a Visiting Scholar at the University of London. He was teaching Adult Education at Florida State University and at the University of Virginia at Charlottesville in the 1950-60s. In 1950 he had already begun publication in the history of Virginia maps. His massive carto-bibliography was not published but is available on microfilm. Various works such as 'Mr. Jefferson makes a map', *Imago Mundi XIV* (1959) established his reputation in this field. He was soon producing work for Theatrum Orbis Terrarum in Amsterdam and also the Map Collectors Circle. Invited to lecture at a Summer School at the University of British Columbia, Vancouver, B.C. in the later 1960s, Coolie was so attracted to Canada that he decided to make it his home. He was appointed to the Professorship in Adult Education at the University of British Columbia. In taking up Canadian citizenship, Coolie expressed his deep feeling for the land of his adoption and his pride in being a Canadian. He always had a Canadian flag on his desk in his office. Coolie also has acted as a consultant to the governments of Australia, New Zealand, Argentina, Venezuela and to the Organization of American States. When he retired from the University of British Columbia in 1977 he moved to the beautiful home he had designed himself among the woods of Mayne Island. He continued an active career in his consultancies on the history of cartography. In 1978 he took a leading part in the Conference, 'Captain Cook and his Times' held at Simon Fraser University, April-May 1978. He was in Florida on his way to Venezuela last July when his illness forced him to return home.

Coolie published over 300 books, monographs, research studies and articles on rural sociology, anthropology, adult education and carto-bibliography. His contribution to the development of carto-bibliography was distinctive and original. He had a special interest in the history of copper plate engraving as a technique and recommended a new research methodology for the study and description of early maps. His Nebenzahl lecture on 'Copperplate printing', printed in David Woodward's *Five Centuries of Map Printing* (1975) sets out his philosophy, and his essay 'John Seller and the chart trade in seventeenth-century England' in *The Compleat Plattmaker* (ed. N.J.W. Thrower, 1978) illustrates his proposed methodology, with special reference to engraved title pages.

It is good to report that two days before his death, his collaborator Basil Stuart-Stubbs of the University of British Columbia Library, was able to bring him an advance copy of his most recent book, *The Northpart of America*, a limited edition facsimile atlas, to be published by Longman Canada Limited, Ontario.

Helen Wallis

THE MAP HOUSE OF LONDON

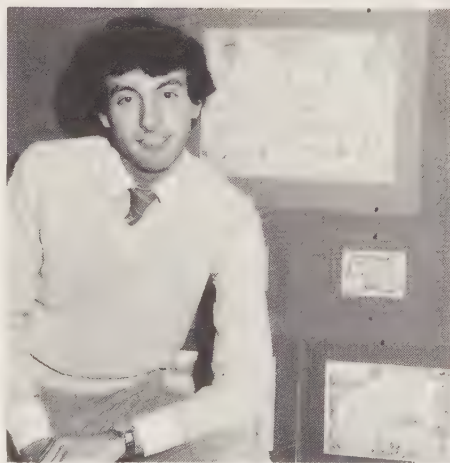
(est. 1907)



The directors, the Hon. C.A. Savile and Viscount Pollington examining the Livio Sanuto atlas of 1588, the first collection of maps devoted entirely to Africa.



Iain Zaczek with a theodolite dating from about 1820, one example from our range of scientific instruments.



The Manager, Simon Pointer, with a map of Virginia by Theodore de Bry, c.1594.



Peter Davies admiring an engraving of Chiswick House, hand-coloured and dated 1720.



Leanora Murray Lee with a terrestrial globe by John Cary, dated 1823; one of a pair presently on display.



Our modern map department is managed by May Bruce; the stock includes maps published by companies from all parts of the world.

LETTERS TO THE EDITOR

Sir
May I take this opportunity to express my delight upon receiving Mr. Tooley's latest book 'Tooley's Dictionary of Mapmakers'. It is a well-produced and easy-to-read book of reference, which is a must for all collectors. True, there were other books with lists of cartographers, but none so comprehensive as this one covering the lesser known participants of the art as well as the famous and household names. At last there is one book to consult instead of a whole shelf to leaf through. Inevitably, as with any such major work, some error will filter through and perhaps it is excusable to mention just one such mistake under the entry 'Lazius' (page 383). Although much of the information is correct, the part-sentence '... and Secretary to Thomas Bakocz Archbishop of Esztergom. Oldest known map of Hungary known as Lazar's map (78.3 x 54.8cm.) published by Tanstetter in 1528 includes Slovakia.' should of course be under the entry: LAZAR. LAZARUS. ELAZARUS, who indeed was the cardinal's secretary, and whose only surviving map of Hungary is in the map department of the National Széchényi Library in Budapest, of which several facsimile copies were produced, the most recent being the one published by Cartographia/Magyar Helikon in 1972 as part of a ten-map dossier of facsimiles. Unfortunately very little else is known about him, as the only information we have is from the map itself: 'Tabula Hungarie ad quator latera per Lazarum quondam Thomae Strigoniensis Cardinalis Secretarium virum expertum congesta, a Georgio Tanstetter Collimitio revisa auctiorque reddita, atque iamprimum a Io. Cuspiano edita Serenissimo Hungarie et Bohemiae Regi Ferdinando principi et infanti Hispaniarum, Archiduci Austriae etc. sacra auspicio maiestatis suae ob resp. Christiane usum Opera Petri Apiani de Leysnigk Mathematici Ingolstadii inuulgata Anno Dni 1528.'

This is all we know of him, everything else is assumption, hypothesis. It is possible that he was a student of Regiomontanus at the University of Pozsony (Pressburg, today Bratislava). It is also probable that such major work as the mapping of the country was under the patronage of the king

himself, the task which would have been carried out around 1500-1510. As Lazar did not live to see his work in print (died in 1526?) we can only assume that this precious manuscript was saved from certain destruction after the lost battle of Mohács against the Turks by Cuspinianus himself, who has often visited the Court at Buda.

My thanks for finding space in the magazine for this rather lengthy letter, but it was Lazar on whose work many generations of mapmakers relied and therefore all due recognition should be given to this almost forgotten cartographer.

L.L. Gróf

Sir
Map Sizes

I read with interest the review of the maps of Buckinghamshire (Gordon Wyatt) Page 41, issue 8. It is not one of my habits to write on every occasion to the editor if I disagree with any comments but I would like to register a mild protest to the reviewer over his remarks about the description of the map sizes in inches.

I would be delighted to read a book quoting measurements in honest English terms instead of the metric measurements which have been imposed upon us. Metrication, I agree, has come to stay and for an internationally ranging hobby it may be logical. But please spare a thought for the middle aged and elderly collector who has been brought up on inches, feet and yards and whose ageing brain is not as nimble at conversion and cannot at a glance visualise the size of say, 196 x 252mm. I have been put off by more than one sales list offering the maps in metric terms.

In the usual British way may I suggest a compromise? Where possible use the metric style followed by the inch measurements in brackets. Maintain this system for an agreed number of years until the set minds learn to recondition to the new medium so that sizes register mentally at a glance. After all, the English maps were drawn to scale of inches, feet and miles etc.

I do seem to have gone on at length but the reviewer's remark prompted me to visualise a matter which has irked me for some time.

Finally, if you have managed to read so far may I say what a splendid publication you are turning out. I read every issue from cover to cover and it is a pleasure to handle so well produced a magazine.

R. Browning
8 Elton Road
Sale
Cheshire M33 4LA

Sir
Recent statements in *The Map Collector* and in *Imago Mundi* indicate that the word 'edition' continues to be a source of confusion in cartobibliographical description. In a letter in *The Map Collector* no. 7, Lynn Glaser makes the point that the word 'state', so often seen in map descriptions, should really be associated with a given plate. Your solution is to say 'another edition (give the date) and mention any differences in a footnote', thus avoiding the 'tiresome if not unintelligible' genealogy of reissue, impression, state, edition, etc. Sarah Tyacke, in a review of Roy V. Boswell's *Collection for the History of Cartography (Imago Mundi* no. 30), takes Mr Boswell to task for his quite correct statement that 'the map term "plate" (or "block") is to maps what the book term "edition" is to books.'

Attempts to apply book terms to maps can easily become tiresome and have frequently been unintelligible, but Coolie Verner's incisive article 'Carto-bibliographical description: the analysis of variants in maps printed from copperplates' (*American Cartographer* 1, p.77-87), which Mr. Boswell cites, should have ended the confusion. In Verner's words, 'edition is not functional in cartobibliographical description and should be abandoned.' Basically, his system describes a printed map by reference to the PLATE from



I THINK THEY WANT US CARTOGRAPHERS FOR THE RESERVE TEAM NOW...

which it was printed and the *State* of that plate. Such classification can only be done with any kind of certainty after many different copies of a given map have been carefully examined and compared. For most map curators and mapsellers this kind of detailed analysis is usually out of the question, but for those who aspire to descriptive cartobibliography rather than cataloguing, Verner's terminology deserve to become a standard. The rest of us will probably have to be satisfied, in most instances, with a shorthand

description such as you advocate (but with the substitution of 'state' for 'edition'). For example, 'Another state (ca. 1779) showing sand bank off Nantucket Island.'

Robert W. Karrow Jr.
Curator of Maps
The Newberry Library
60 West Walton Street
Chicago
Illinois 60610



BOOK REVIEWS

THE COMPLEAT PLATTMAKER. ESSAYS ON CHART, MAP, AND GLOBE MAKING IN ENGLAND IN THE SEVENTEENTH AND EIGHTEENTH CENTURIES. Edited by Norman J.W. Thrower. Berkeley, Los Angeles, London: University of California Press, 1978, pp. 241, illustrated, index, £10.50

One of the more acceptable legacies bequeathed by the robber barons of nineteenth century USA was a string of 'treasure house' libraries and art galleries across the nation. Originally formed as private collections, many are now preserved in perpetuity for public use, and with fellowships created for scholars to work in their often unique collections. Such an institution is the William Andrews Clark Memorial Library, acquired through a Montana mining fortune, and now part of the University of California, Los Angeles. Its speciality is British culture in the seventeenth and eighteenth centuries and a niche for mapping in this wider artistic, literary and scientific milieu was recognised when Norman Thrower, resident historian of cartography at UCLA, was appointed as Clark Library Professor. The series of seminars organised around his tenure in the academic year 1972-3 have now been reworked and edited as the six chapters in this book. They do not sustain a single view of the history of cartography, but the individual essays stand on their own as carefully researched and original pieces, illustrating the validity of different approaches to the vast subject matter of seventeenth and eighteenth century English mapping.

Two chapters are organised around the lives of single cartographers. It is within this framework, first, that Norman Thrower reviews the contribution of natural philosopher Edmond Halley to the beginnings of thematic cartography. By compiling and publishing maps of the Trade Winds (sometimes described as the earliest meteorological charts), isogonic charts or maps of magnetic variations of the compass, together with charts of the tides in the English Channel and an unusual eclipse 'Map of the Shadow of the Moon over England', Halley was among the first to perceive a place for maps in the display and interpretation of physical phenomena. He was a midwife to what the editor dubs 'geo-cartography'. A second bio-bibliographical essay - Coolie Verner's painstaking reconstruction of John Seller's career and business enterprises - provides a sharp contrast. Seller was no innovator. It is true that he made the first serious attempt to challenge the supremacy in England of the Dutch chart makers, but his cartographic productions, including *The English Pilot*, were marred by dishonest plagiarism and business failure and a more realistic assessment is arrived at of his place in the emergence of an independent English chart trade.

A third essay - that of Thomas R. Smith on the 'Thames School' of seventeenth-century London chartmakers - adopts an approach which will be

less familiar but which has much to commend it in the study of manuscript cartography. It can be defined as a group genealogy and portrait of a closely related family of cartographic craftsmen. The Thames-side school, located in the maritime quarter east of the Tower of London, specialised in hand-drawn Portolan-type charts. Linked together by master-apprenticeship ties, mainly within the Draper's company, they traded from the late-sixteenth to the early-eighteenth century, when they were finally ousted by the greater availability of printed sea charts. Some thirty-seven practitioners and no less than 550 charts can be definitely attributed; they offer a remarkable example of the transmission of distinctive cartographic skills, techniques and style - as well as of information - over a long period of time.

The remaining three chapters are broader in scope. Helen Wallis weaves a delightful and colourful story around the recorded cartographic experiences of Samuel Pepys. The energetic Pepys, as secretary of the Navy and president of the Royal Society, was in an almost unique position to observe and influence the cartography of his day and as collector, promoter, recorder and user of maps and charts he was prominent in the tightly knit circle of men who made map history in Restoration England. Jeanette Black carries this narrative to the New World. In a thought-provoking essay on the beginnings of mapping in the English colonies in North America, she illustrates how scarce map-making skills were adapted in frontier environments. Indeed, cartography - born of necessity - was strictly functional, allowing few frills, and was related to the need for maps in reconnaissance, in the location and promotion of new settlement, and later, in various aspects of colonial administration. Some maps served more than one of these purposes, but they do not follow a neat sequence of technical evolution. Miss Black reminds us that the English Empire in seventeenth-century North America 'consisted of many heterogeneous units, and each one had its own cartographical development.'

A sixth chapter, by David Woodward, adopts an even broader perspective by providing an explicit overview of English cartography for the period. After a 'technical introduction' - summarising progress in survey instruments and practice and in printing and publishing - this essay, too, is organised on functional lines, that is to say in terms of the contemporary uses of various map types. There are accordingly separate summaries of the development of route maps, road-distance maps, large-scale plans, military maps, multi-sheet county maps, small-scale maps, general atlases, maps in geographies, maps in eighteenth-century periodicals such as the *Gentleman's Magazine*, and the imaginary maps found in fiction such as *Gulliver's Travels*. Given the predominance of narrowly focussed studies the chapter is valuable in reminding us of the wider context of English cartographical

development. In any map business, for example, different publications were often commercially interdependent, and the geographical content of many individual maps was similarly drawn - not from a single manuscript draft - but from the whole range of information available in the cartographer's workshop.

The Compleat Plattmaker is a worthy addition to the Clark Library Series and to the traditions of bookmanship and scholarly endeavour it enshrines. The volume may be regarded as more than a sum of its parts. Generous footnotes, a detailed index, and over 50 illustrations (some are unfortunately over-reduced) help to knit the text together. Moreover, taken as a whole, the essays are broadly representative of changes in a formative period in English map making. The century between the Renaissance and the more rapid modernisation of cartography which occurred after 1750 is a neglected period so that the explorations represented by these essays are especially welcome. They should help to stimulate future research. On this Jeanette Black can have the last word: 'Not only are there maps to be discovered, but there are cartographers to be identified and studied, and there is a forest of archival material, published and unpublished, that has not yet been used by the historians of cartography.'

J.B. Harley

OLD MAPS AND GLOBES with a list of cartographers, engravers, publishers and printers concerned with printed maps and globes from c1500 to c1850 by Raymond Lister. Published by Bell & Hyman, London, 1979. 4to cloth, pp 256, illustrated, £9.95.

A reissue of *How to Identify Old Maps and Globes* published by G. Bell & Sons in 1965. Presented as a revised edition it has no preface to note the changes or additions. It is a simple reprint of the text and illustrations, the changes being limited to the abbreviated title and the addition of a few entries to the selected bibliography.

Errors in the first edition remain uncorrected. For example, under the heading 'Robert Morden' in the list of cartographers the reader is referred to Camden's *Britannia* but under Camden there is no mention of Robert Morden (one of the pitfalls of cross reference). It is unfortunate, too, that in the additions to the select bibliography under Tooley, Crone & *Highlights of Cartography, A History of Cartography and Landmarks of Map Making* are all listed but no mention is made of the fact that they are all the same work under different titles. This objectionable practice can mislead the public into thinking a new work is being offered to find that it is a book already in their possession.

Old Maps and Globes is divided into seven sections: a general outline, celestial maps and

charts, methods of map production, decoration and signs, globes, watermarks and a list of cartographers - the last occupying half the volume.

In covering so much ground in a short space the result is necessarily cursory, a good feature being the article on watermarks by Edward Heawood. This fourth impression, a readable book for the beginner, is attractively presented with a coloured dust jacket.

R.V. Tooley

AN ATLAS OF FANTASY or illustrated anthology of imaginary maps from legend and literature by J.B. Post. First published 1972. New revised edition published by Souvenir Press, London WC1 1979. pp 210, approx. 100 maps (210mm x 280mm) £3.95.

The author, who is map librarian of the Free Library of Philadelphia, has found a fringe area of cartography which is quite fascinating. He writes well with an infectious zest which will stir the imagination of anyone remotely interested in the subject.

The main inspiration is from literary sources but there are examples from folklore and legend as well as non classifiable curiosities such as a medical map (of the 'Alimentary Canal') and the 'Gospel Temperance Railroad map' crossing from Decisionville to the City of Destruction by way of Mount Corruption and Rum Jug Lake.

On the first map is the 'Garden of Eden' which was drawn by Spanish monks around 776 giving a good illustration of the state of geographical knowledge of the time. The 'Good Life' is further represented by Sir Thomas More's 'Utopia' and the legendary German 'Schlaraffenlande' where all the luxuries of life are to hand. Lest we dwell too long over its pleasures there follows 'Hell' (John Milton's version) and the 'Road to Hell' - another temperance nightmare.

Perhaps the best drawn maps are two by Matthaus Seutter, the 'Mappa Geographiae Naturalis', used to teach map makers the cartographic conventions with liberal use of puns and his 'Attack of Love' from the 1745 'Atlas Novus'.

The literary maps include the lost worlds of Edgar Rice Burroughs, creator of Tarzan the ape man, and the imaginary Barsetshire settings of Anthony Trollope. Famous islands include Gulliver's 'Lilliput', Jules Verne's 'Mysterious Island' and of course the most famous fictional island of all, the 'Treasure Island' of Robert Louis Stevenson. There is a particularly well drawn map of one of the most recent of imagined lands 'Middle-earth' which is the setting for the novels of J.R.R. Tolkien.

Unfortunately the general quality of the illustrations, especially the older maps, is poor with much of the fine descriptive detail being illegible. In the final analysis this book is a brave attempt at a fascinating by way of cartography but is spoiled by poor reproductive technique.

P. Kalms

Catalogues received

AUX AMATEURS DE LIVRES - MARCEL BLANCHETEAU, 62 Avenue de Suffren, F-75015 Paris, France. XIX^e Siecle Voyages Sciences Physiques & Naturelles Literature Varin. Hors Series No 8 Mai 1979. General

catalogue. pp 36, 477 items.

RICHARD NICHOLSON, Stoneydale, Christleton, Chester CH3 7AG. *Catalogue 109, 1979. Fine Maps and Atlases*. General catalogue of maps and atlases of all parts of the world. pp 24, 39 items, 38 illustrations.

RICHARD NICHOLSON, Stoneydale, Christleton, Chester CH3 7AG. *Catalogue 110, 1979. Maps of England and Wales*. General catalogue in county order. pp 28, 449 items, 11 illustrations.

BODLEIAN LIBRARY-MAP SECTION, Oxford. *Selected Map and Book Accessions No. 345, July 1979*. 150 entries.

STANLEY GIBBONS ANTIQUARIAN BOOKS LTD., 395 Strand, London WC2R 0LX. *Stanley Gibbons Antiquarian Books. Catalogue Two, Summer 1979*. Catalogue in twelve sections, including topography and travel. pp 94, + v. 309 items, 12 plates with 14 illustrations, contents list, list of references cited.

LIBRAIRIE HENRI ROSSIGNOL, Saint-Pierre, F-83460 Les Arcs-sur-Argens (Var), France. *Livres Anciens et Modernes. Catalogue No 148*. General catalogue in two sections. pp 20, 634 items.

E.J. BRILL, Postbus 9000, 2300 PA Leiden, The Netherlands, *Catalogue 505 [The Far East.] July 1979*. Catalogue in eight sections. General works, Mongolia and Tibet, Central Asia, Korea, Indonesia, China, Japan, Addenda. Short note by F.C. Wieder Jr. pp 150, 2475 items, 26 illustrations.

STANLEY GIBBONS MAPSELLERS LTD., 37 Southampton Street, London WC2E 7HE. *Antique Maps. Autumn 1979 catalogue*. Compiled by Stephen Tomins. General catalogue of maps and prints of all parts of the world in twelve sections. pp 32, 540 items, 53 illustrations, including 3 in colour.

E.J. BRILL, Postbus 9000, 2300 PA Leiden, The Netherlands, *Catalogue 508. Manuscripta Manent*. Catalogue in two sections, describing MSS in 23 languages and a Medley of Books, on all subjects, including maps and atlases. pp [80], 400 items, 50 illustrations, index.

JONATHAN POTTER LTD., 1 Grafton Street, London W1X 3LB. *A Selection of Antique Maps and Prints of London*. pp 32, 209 items, 41 illustrations, notes.

LEO S. OLSCHKI STUDIO BIBLIOGRAFICO, I-52046 Lucignano (Arezzo), Italy. *Catalogo 163. Viaggio e paesaggi della vecchia Europa, Parte prima*. Catalogue of travel books, in author/chronological sequence. pp [56], 99 items, 12 plates with 13 illustrations, introductory essay, author index, subject index, list of references cited.

LEO S. OLSCHKI STUDIO BIBLIOGRAFICO, *Miscellanea 22*. General catalogue in four sections. pp [32], 450 items, subject index.

A. CARSON CLARK FRGS, Map & Printseller, 72 Seaward Avenue, Bournemouth BHG 35H. *British Isles & the Rest of Europe. List No. One from A. Carson Clark FRGS*. Catalogue in two main sections. pp [20], 228 items, 1 illustration, introductory letter.

G. & D.L. MARRIN & SONS, 149 Sandgate road, Folkestone, Kent. *Catalogue 5. A Select Miscellany*. Catalogue in three sections - General, Kent Books, Maps & Prints. pp 12, 101 items, 2 illustrations.

LIBRAIRIE SIMONSON S.A., 20 Avenue des Arts, B-1040 Bruxelles, Belgium. *Beaux Livres Anciens et Modernes. No. 423 Septembre-Octobre 1979*. General catalogue in five sections. pp 50, 630 items.

GALERIE BRUMME MAINZ GmbH, Kirschgarten, D-6500 Mainz, West Germany. *Landkarten, Stadtansichten, Porträts, Katalog 1979*. Catalogue of maps, prints and portraits from all parts of the world. pp 128, 2131 items, 30

illustrations, general index.

PHILIP A. ROUSSEL, The Windsor Collection, 19 Sheafe Street, Portsmouth NH 03801, USA. The Windsor Collection. *Early Maps and Atlases*. Catalogue in ten sections of maps and atlases of all parts of the world. pp 65, 215 items, 28 illustrations, general index.

L.S. STRAIGHT, 101 Maple Street, Weehauken, NJ 07097, USA. *Catalogue No. 330. Americana*. pp 8, 83 items, 1 illustration.

HISTORIC URBAN PLANS, Box 276, Ithaca NY 14850, USA. *Historic City Plans and Views. Spring Supplement 1979*. Catalogue of facsimile plans and views. pp 20, 177 items, 72 illustrations. STEPHANIE HOPPEN LIMITED, 67 Cadogan Square, London SW1. *A Catalogue of Fine Illustrated Books Relating to Astronomy, Cartography, Emblems, Gastronomy, Natural History and Science, Travel in Africa, America and the Near and Far East together with a selection of Reference Works, pertaining to these subjects*.

NORDISKA ANTIKVARIATSKA BOKHANDELN, N. Magasingsatan 6, SF-00130 Helsinki, Finland. *Catalogue LXI*. Catalogue of books and maps of the Arctic regions in celebration of the centenary of Nordenskiöld's discovery of the Northeast Passage in 1979. pp 16, 36 items, 8 illustrations.

APRIL ANTIQUES, April Cottage, Loughton Lane, Alcester, Warwickshire B49 5HN. *List One. Antique Maps and Books*. A selection of items with emphasis on Warwickshire and Worcestershire. pp 9, 170 items.

H. TH. WENNER, Heger Strasse 2-3, D-4500 Osnäbruck, West Germany. *Antiquariats-katalog 284. Landkarten*. General catalogue in 33 sections of maps of all parts of the world. pp 126, 773 items, 86 illustrations, including one in colour, index.

GARISENDA ANTIQUARIATO LIBRO E STAMPE, Strada Maggiore 14/a, I-40125 Bologna, Italy. *Vedute e Piante di Civita' Italiane e Carte Geografiche, Estero, Bandi. Catalogo 16 Agosto 1979*. Catalogue of maps, prints and books of all parts of the world in five sections - Vedute, Carte Geografiche, Estero-Vedute, Carte Geografiche, Bandi. pp 46, 753 items.

PAUL ROBERTS STONEY, Route 2, Box 521, Lancaster VA 22503, USA. *Antique Worldwide Maps. Catalog 1-79 (Special)*. General catalogue of all parts of the world in six sections. pp. [15], 380 items.

BON-ACCORD BOOKS, Flat 3, 43 Collington Avenue, Bexhill, East Sussex TN39 3PX. *A Catalogue of Books Unusual, Rare and Antiquarian*. Catalogue in eight sections. pp 16, 333 items.

IVAN R. DEVERALL, Duval House, The Glen, Cambridge Way, Uckfield, Sussex TN22 2AA. *Antique Maps. Autumn 1979*. General catalogue of maps of all parts of the world. pp 8, 101 items, 38 illustrations.

ANTIQUARIAT KONRAD MUESCHEL, Kaiserplatz 5, Postfach 2024, D-5300 Bonn 1, West Germany. *Aus Wissenschaft und Gelehrsamkeit. Achtzehnter Bulletin*. General catalogue of books and prints in 17 sections. pp 120, 1053 items, subject index.

THE LYVER GALLERY, 8 Hackins Hey, Liverpool L2 2AW. *1979 Autumn Exhibition of Paintings and Watercolours. Fine topographical, Railway, Sporting and other Engravings with particular emphasis on Liverpool and Districts*. pp 15, 4 plates, 182 items, 4 plates containing 32 illustrations.

ROBERT DOUWMA (Prints & Maps) Ltd., 93 Great Russell Street, London WC1B 3QL. *Catalogue 22. Rare and interesting printed maps up to 1800*. Compiled by T. Campbell, with notes by G. Schilder and R.W. Shirley. pp 64, 111 items, 57 illustrations, selective index of places and subjects and people, list of references.



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THIS REGULAR AUCTION SECTION is intended to cover all major auctions of maps and atlases throughout the world. Every effort is made to report auctions as soon as possible although occasional delays may occur in obtaining details of prices realised. The reports include not only maps and conventional atlases but also books whose importance is governed primarily by the maps they contain rather than their other contents.

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

Although auction results are helpful in forming judgements on general price trends over a period, it can be misleading to base any conclusion on the price realised for an individual lot. Prices for similar items can vary from auction to auction depending on the circumstances of the particular auction and the condition of the item offered for sale. Condition is very important and however well described can only be judged properly by personal examination.

The total realised for maps and atlases sold in auction reported in this issue amounted to £233,979.

Exchange rates used in this report:

£ 9-11 July £1 = 4.3625

SOTHEBY'S, LONDON, 25 JUNE 1979 (PREMIUM 10%)

1 MERCATOR (GERARD) AND CLAUDIUS PTOLEMAEUS, TABULAE GEOGRAPHICAE Cl: Ptolemei ad mentem autoris restitutae emendate per Garardum Mercatorem FIRST MERCATOR EDITION OF PTOLEMY'S GEOGRAPHIA. Koeman's issue with the printed privilege. Brussels 3 February 1578, pasted on verso of title, architectural engraved title, woodcut diagram on verso of second leaf of preface, 29 woodcut maps (World Map, Europe 11, Africa 5, Asia 12): 28 double-page, plus a full-page map "Appendix III, Tabulae Afr[icae]", blank on verso, not called for by Koeman, inserted between Africae III and IIII, the title and all maps COLOURED BY A CONTEMPORARY HAND, embellished with elaborate title-cartouches, human figures, domestic, wild or mythical animals, sea monsters, etc., with the final blank h2, repair to lower part of blank fore-margins of title and following leaf, tear in blank bottom margins of Europe VII and X, small flaw in margin of Asia IX, Africa I a little soiled, short inscription in top blank margins of maps in eighteenth- or nineteenth-century hands, early marginal entry and a few passages underscored in the dedication and preface, a few stains, seventeenth century vellum, skilfully rebaked [Koeman Me 1, II, p. 284], folio (405mm, by 265mm.) Cologne, 1578.

£6000

2 STRABO. RERUM GEOGRAPHICARUM libri septemdecim editus by William Xylander. Greek and Latin (index in Latin), woodcut device on title and final leaf (otherwise blank), 27 double-page woodcut maps, plus 6 woodcut maps in the text, one or two early manuscript marginalia and a few passages underscored, eighteenth-century calf gilt, gilt foliate centre ornament incorporating rosettes and thistles, rebaked, and restored, old spine restored. Folio, Basle, August 1571.

£850

3 CORONELLI (V.M.) ISOLARIO DELL' ATLANTE VENETO. 64 engraved maps from the work (53 double-page: The Low Countries, France, Germany, Russia, China, Japan, etc., 26 with text on versos, 27 with versos blank; 11 full-page: parts of America, Europe, Africa and the Far East, versos blank), engraved and printed titles (imperfect) and 32 odd leaves of text, various text engravings, 6 of the double-page maps hand-coloured in outline, all other maps uncoloured, many of the double-page maps to some extent wormed, perforated, torn or repaired, affecting the engraved surface, some staining and fraying, large folio, Venice, 1596-97.

£1200

4 PTOLEMAEUS (CLAUDIUS) GEOGRAFIA ... in due volumi, 2 parts in 1 vol., italic letter, engraving on titles, part I, diagrams, etc., in the text, pen marks in fore-margins throughout, first title a little discoloured, a few leaves browned, small ink stain on the plate, a few other ink stains, one or two other stains, mostly marginal, eventeenth century quarter calf, upper joint split, worn [Phillips 405; Sabin 66506]. 4to. Venice, G.B. & G. Galigani, 1598. *A translation, by Leonardo Cernotti, of Margini's edition of Ptolemy printed at Venice in 1596 (Sabin).

£800

5 QUADT (MATTHIAS) LIBER ALIQUOT ITINERUM EX AUGUSTA VINDELICORUM egredientium, 2 parts: part 1, 76 engraved maps and plates in the text, including 32 maps on the recto and verso of 16 leaves at end, 2 of latter inserted, 1 shaved, Ursellus, C. Sutorius, 1602; part 2, title and following leaf a little wormed, slightly affecting text, and frayed, waterstaining of lower fore-corners, mostly in part 2, but touching engraved surface of some plates, Frankfurt on Main, Latomus, 1603; DELICIAE GALLIAE sive Itinerarium per universam Galliam, last leaf detached and frayed, tear in E4, touching text, slight waterstaining of top fore-corners, ib., 1603—EICHOVIUS (CYPRIANUS) DELICIAE ITALIAE et index viatorius ... 24 maps at end on recto and verso of 12 leaves, Ursellus, C. Sutorius, 1603; DELICIAE HISPANIAE et index viatorius ... 12 maps at end on recto and verso of 6 leaves, ink stain on title, ib., 1604; DELITIARUM GERMANIAE ... 2 parts, original blank 2E4 at end of first part, 42 aps at end of second part on recto and verso of 21 leaves, ib., 1604, 6 works in 1 vol., the first two bound in reverse order, the third at the end, a few leaves discoloured, small stain in some bottom blank margins, seventeenth-century vellum, wanting ties, 44

worn, oblong sm. 4to. (150mm. by 190mm.).

£800

6 BERTIUS (P.) TABULARUM GEOGRAPHICARUM CONTRACTARUM libri septem, 7 parts in 1 vol., engraved title and 220 plates in the text (218 maps, 2 plans), privilege leaf at end, title soiled, inscription obliterated in blank top margin, 2C3 wormed, affecting text and map of Frisia on verso, bottom of 2 maps cropped, small rust-hole in 3F3 affecting 2 words, occasional waterstaining throughout, inside hinges broken, contemporary calf, roll borders of repeated fleur de lys within lozenge ornament, worn, oblong sm. 4to (125mm. by 210mm.) Amsterdam, J. Hondius, 1618.

£1700

7 [SPEED (JOHN)] KEER (PETER) ENGLAND, WALES, SCOTLAND AND IRELAND described and abridged ... from a farr larger vouldme (sic) done by John Speed, engraved plate: 'Catalogue of all the shires...' and 63 engraved maps wanting the general map (supplied in facsimile, loosely inserted), but the folding map of Yorkshire present in duplicate, wanting the engraved title, pen marks and scribbles on verso of map 43, on contents leaf at end, occasionally in the text and on endpapers, some of setting on to text, without the second part: 'A Prospect... of the World', often bound with this work, contemporary calf, worn, oblong sm. 8vo (97mm. by 163mm.). [1627, or later].

£750

8 MERCATOR (GERARD) ATLAS ou représentation du Monde Universel ... édition nouvelle, 2 vol., engraved titles, 3 engraved sub-titles, double-page plate with portraits of Mercator and Hondius, 239 double-page maps, including world map, America 15 maps, France 47, Great Britain 20, the Low Countries 26, Scandinavia 5, Switzerland 6, etc., embellished with cartouches, arms, inset maps, vignettes, sailing ships and other features, the maps include an extra map of Holland 'Zype' (from Mercator's 1633 Appendix), present in the contents list but omitted in Koeman's 1633 edition, from which the imprint of vol. 1 of the present copy differs, as do the order of the preliminary leaves and the signatures at the end, some of which have been amended in ink, as have those of the indexes in both vol., rust-hole affecting maps of Africa and Denmark, a few maps torn in centre fold, map of Africa in vol. 2 separated in fold, and of Abyssinia detached, marginal tear affecting engraved surface in a few cases, some boundaries neatly marked in red on about 25 maps, mostly France or the Low Countries, small compass diagram drawn in fore-margin of 3 maps, slight, waterstaining of some inner top corners, vol. 2 title a trifle frayed, contemporary parchment-backed paper boards gilt, g.e., spines defective, worn [cf. Koeman Me 36A, II, pp. 358-364], folio (465mm. by 320mm.), Amsterdam, chez I. Ianson, 1633; H. Hondius, 1633.

£12,000

9 [MERCATOR (GERARD)] ATLAS NOVUS ... TOMUS TERTIUS [AND CONTINUATIO], Latin text, architectural engraved title, printed label in centre, 96 engraved maps (95 double-page, Elba in the text); Spain 13, Italy 50, Greece 1, Asia 12, Africa 6, America 13, and the South Pole, ALL HAND-COLOURED IN OUTLINE, historiated and other cartouches, arms and many decorative features, as well as the title, fully coloured, the title heightened with gold, index leaf at end, title frayed in fore-margin, wanting the title to the Continuatio, 4 American and 5 Italian maps, map of the S. Pole torn, of the Holy Land and some others torn in centre fold, some maps a little discoloured, old inscriptions deleted on title label, original vellum, parcelled in gilt, g.e., slightly soiled, wanting ties, folio (495mm. by 315mm.). Amsterdam, J. Jansson, 1645. *This third volume of the Jansson Atlas Novus with the 1645 title and Latin text does not appear in Koeman, but may be compared with Koeman's 1647 edition [Me 59].

£6500

10 [MERCATOR (GERARD) ATLAS NOVUS...], 2 parts in 1 vol., Latin text, 82 double-page engraved maps, including: Germany 54 maps, Scandinavia 10, Great Britain 4, The North Pole, Russia, etc., ALL HAND-COLOURED IN OUTLINE, historiated and other cartouches, arms and various decorative features fully coloured, index leaf at end, wanting the general title, part 2 title, 2 leaves of introduction and possibly 19 maps (15 of Germany), but the maps of Great Britain and the North Pole not called for by Koeman Me57, tear in centre fold of a

number of maps, extensive in a few cases, some stains, 2 maps mounted (as issued), original vellum, parcelled in gilt, g.e. worn, wanting ties, folio (495mm. by 310mm.) [Amsterdam, J. Jansson, c. 1646]. *This atlas agrees substantially with Koeman's Me57, but differs from it in the first part (see Koeman's note).

£6500

11 [MERCATOR (GERARD) ATLAS NOVUS ... IN QUO GALLIAE, HELVETIAE ... NEC NON & BELGII UNIVERSI ...], 2 parts in 1 vol., Latin text, 90 double-page engraved maps (France 51 maps, Switzerland 6, The Low Countries 33), FINELY COLOURED BY A CONTEMPORARY HAND in outline, historiated cartouches, coats of arms and other decorative features fully coloured, wanting the general title, part 2 title, and possibly 16 maps: France 7, Switzerland 1, The Low Countries 8, but including 4 Ancient World maps (France 3, The Low Countries 1) not called for by Koeman Me 58, tear in centre fold of a number of maps, sometimes extensive, fraying of some margins, original vellum, parcelled in gilt, g.e., worn, stained, wanting ties, large folio (495mm. by 310mm.). [Amsterdam, J. Jansson, c. 1647]. *This atlas agrees substantially with Koeman's Me 58, but exhibits a few variations in addition to those mentioned.

£4000

12 [MERCATOR (GERARD)]—IOANNIS IANSSONII NOVUS ATLAS ... IN QUO MAGNA BRITANNIA, seu Angliae & Scotiae nec non Hiberniae, Regna exhibentur. Tomus Quartus], thick paper copy, Latin text, 52 (of 56) double-page engraved county maps, FINELY COLOURED BY A CONTEMPORARY HAND IN OUTLINE, historiated cartouches, coats of arms and other decorative features fully coloured, 3 hand-coloured text engravings, wanting the title and 4 maps: Cambridgeshire, Nottinghamshire, Oxfordshire, Surrey, tear in centre fold of 5 maps, H1 and 2D2 torn, original vellum, parcelled in gilt, g.e., lower cover stained, wanting ties [Koeman Me 152, II, pp. 486-489], large folio (495mm. by 310mm.) [Amsterdam, J. Jansson, 1646].

£3500

13 SEA ATLAS—[JANSSON (J.) ATLANTIS MAJORIS QUINTA PARS, ORBEM MARITIMUM seu Omnium Marium totius Orbis Terrarum Navigationibus hodierno tempore ... contiens: Cui adjunctus est Orbis Antiquus et Graecia Parallela ...], 2 parts in 1 vol., thick paper copy, Latin text, part I, 17 (of 23) plates: 14 maritime charts, maps of the North and South Poles and Tabula Anemographica, par II, 10 maps: the Ancient World and 9 of Greece, etc., together 27 double-page engraved maps and charts, FINELY COLOURED BY A CONTEMPORARY HAND IN OUTLINE, historiated cartouches and many other decorative features fully coloured, including vignette views enclosing map of the South Pole and figures representing the winds surrounding plate I (Tabula Anemographica), wanting title, 5 maps in apt I and index leaf at end, plate I separated at centre fold, 5 maps torn in fold, original vellum, parcelled in gilt, g.e., a little worn, wanting ties [Koeman Me 164, II, pp. 493/4], large folio (495mm. by 325mm.) [Amsterdam, J. Jansson, 1650]. *Of the present volume Koeman says: 'The first sea atlas (in the real sense of the word) was published by Joannes Janssonius in 1650 as the fifth volume of his Novus Atlas'.

£3000

14 BLAEU (JOHAN) TOONNEEL DES AERDRYCX, OFT NIEUEWE ATLAS, architecturael engraved title, printed label in centre, 62 engraved maps: 58 of Italy, 4 of Greece (58 double-page, 1 full-page, 3 in the text), embellished with historiated and other cartouches, arms, etc., index leaf at end, title cut close in fore-margin, tear in blank top margin of map of Piedmont, stain on map of the Venetian Republic, slight waterstaining of some blank fore-margins, original vellum, parcelled in gilt, g.e., a little worn, stained, wanting ties [Koeman B] 38A, I, pp. 166-168], folio (507mm. by 320mm.) Amsterdam, 1642.

£2400

15 [PITT (MOSES) AND OTHERS. THE ENGLISH ATLAS], vol. 1 only (of 4): North Polar Regions, Russia, Scandinavia, etc., 44 maps and plate of Laplanders, all engraved and double-page, historiated and other cartouches, vignette borders to the world map, etc., leaf of directions to binder at end, wanting the title and frontispiece, map of the hemispheres and Laplanders plate torn and very slightly defective, S.W. corner of



map of Dalecarlia and Westmannia torn away, with loss, map of Iceland torn and repaired. (B1) torn, lower fore-corner of 2K of tables torn away, with loss of text, a few stains, on guards throughout, contemporary suede, panelled in blind, one cover detached, spine defective, very worn. large folio (555mm. by 350mm.) [Oxford, 1680].

£2000

16 VARENIUS ([B.]) AND N. SANSON. COSMOGRAPHY AND GEOGRAPHY, in two parts third impression, edited by Richard Blome, 58 (of 63) engraved maps: 22 folding, 36 full-page county maps, plus 3 folding plates of astronomical and other diagrams, amended dedication to maps of Italy and S. America supplied on overslip, title and some following leaves dampstained and wormed, slightly affecting text in some cases, a number of blank inner top corners wormed, some waterstaining, mostly marginal, general map and map of Cornwall detached, map of Turkey worn, contemporary calf, one cover detached, very worn. folio. 1693.

£800

17 VARENIUS ([B.]) AND N. SAANSON. COSMOGRAPHY AND GEOGRAPHY in two parts third impression, edited by Richard Blome, 62 (of 63) engraved maps: 8 folding, 16 double-page, and 38 full-page county maps, plus 3 double-page plates of astronomical and other diagrams, amended dedication to maps of Great Britain and S. America supplied on overslip, wanting the map of Biledulgerid, 3 folding maps torn, some worn or frayed, map of Asia cropped, several county maps loose, sight waterstaining of fore-margins at end, contemporary panelled calf, gilt spine, covers detached, very worn. folio. 1693.

£800

18 [ATLAS]—A COLLECTION OF 100 EIGHTEENTH-CENTURY ENGRAVED MAPS, in 1 vol. [4 maps folding, 96 double-page], including America, Asia, Africa, Europe, France (16 maps), Great Britain (11), Italy and the Mediterranean Islands (25), The Low Countries (16), Spain, Portugal and Gibraltar (9), Switzerland (4), 2 world maps, 6 astronomical and celestial plates, 3 tabular plates and a few others, by T. Bakewell (large folding map of the hemispheres), J.B. Homann (40 maps), J.C. Homann (2), Homann's Heirs (13), M. Seutter (15), F. de Wit (10), N. Visscher (8), and others, mostly undated, a few dated, between 1702 and 1743, COLOURED BY A CONTEMPORARY HAND IN OUTLINE, principal areas in most cases fully coloured (one or two maps uncoloured, including Speed's map of the Isle of Wight [c. 1676, or later]), historiated, armorial and other cartouches, arms, inset maps, plans, views, vignettes and other features, old manuscript list on leaf preceding first plate, the plates neatly numbered on the versos of the lower fore-corners, on guards throughout, slight worming affecting engraved surface of 7 plates at beginning, tear at bottom of first plate, on guards throughout, eighteenth-century mottled calf gilt, worn. large folio (545mm. by 340mm.).

£7000

19 TOWNBOOK OF EUROPEAN CITIES—A COLLECTION OF 99 EIGHTEENTH-CENTURY ENGRAVED PLANS AND VIEWS OF CITIES OF EUROPE, including Antwerp, Barcelona, Berlin, Bremen, Carlsbad, Cologne, Copenhagen, Dresden, Frankfurt on Main, The Hague, Hamburg, Jerusalem, London (3 plates), Madrid, Mannheim, Milan, Munich, Munster, Nuremberg, Paris, Rome, Stuttgart, Stockholm, Strassburg, Venice, Vienna, Wurzburg, etc., by J.B. Homann and Homann's Heirs (37 plates), Matthew Seutter (44), Gabriel Bodenehr (2), J. Wolfius (3) and A few others, 90 PLATES COLOURED BY A CONTEMPORARY HAND, 9 uncoloured, including Matthew Merian's fine folding view of Frankfurt on Main, with leaf of descriptive text, a few dated, between 1731 and 1739, together with 2 double-page hand-coloured plates by Homann of Porto Bello and Havana, each of 2 engravings, and an eighteenth-century coloured folding manuscript plan on paper, of the fortified Norwegian town of Frederickschalle, showing stages in the siege of 1718 and the spot where Charles XII was shot, many of the engravings incorporating vignette views, plans and other features, old manuscript contents list on leaf preceding first plate, the plates neatly numbered on the versos of the lower fore-corners, on guards throughout, eighteenth-century calf gilt, worn. large folio (548mm. by 335mm.).

£28,000

20 HOMANN (J.B.) ATLAS NOVUS, pictorial engraved title, printed title, contents lists on later in Latin and German, 21 leaves of text, 50 double-page engraved maps, the pictorial title and the principal areas on the maps COLOURED BY HAND, pictorial and armorial title-cartouches and vignettes and other features, including smaller engravings of the celestial hemispheres, emblematic figures, etc., on the world map, latter torn, several other maps torn in centre fold, a few repairs, some fraying, mostly of blank fore-margins, original blind-tooled limp leather. folio (545mm. by 320mm.). Nuremberg [c. 1730].

£2000

21 HOMANN'S HEIRS [ATLAS]. 135 eighteenth-century engraved maps (96 folding, 129 double-page), including America (5 maps), Germany (33), Scandinavia (18), N.E. Europe, Russia, Poland, etc. (14), the Low Countries (12), Great Britain (4), France (7), Spain (7), Italy (9), Africa and the Mediterranean (6), the Holy Land (3), Asia, India, China, world and hemisphere maps and many others, mostly by Homann's Heirs, some by J.B. Homann, 3 by Pontoppidan (Denmark, etc), large maps of the world and of the Danube by T.C. Lotter, one or two by P. Schenk, A.H. Godiche, F.L. Güssefeld and others, the principal areas of all but a few maps COLOURED BY HAND, the remainder outline-coloured, Iceland uncoloured, plus a map of Utopia, 4 small maps of language groupings on one sheet and a plate of distance-tables, both of latter double-page, the maps variously dated between 1729 and 1794, some undated, historiated, armorial or other title in German and serial number in an old hand on versos of the first 116 maps, preceding the maps are an engraved title: 'Atlas Compendiarius ... Scholasticus Minor', with a border of coats of

arms, dated 1753, an engraved leaf 'Index Atlantis Maioris ...', calling for 150 maps (differing from the contents of this atlas), and 18 leaves of geographical introduction in German, dated Nuremberg, 1789, hole in blank surface of map of Friesland, the Lotter world map worn in one fold, some marginal fraying in maps of Australia and of the rivers Po and Danube, affecting engraved surface of the first, tear in one fold of the second, paper of a number of maps a little discoloured, slight waterstaining of the inner margins of the title and other preliminary matter, on guards throughout, nineteenth-century calf, worn large folio (545mm. by 330mm.) [Nuremberg], n.d.

£5000

22 SEUTTER (MATTHEW) ATLAS NOVUS, pictorial engraved title, printed title in red and black, 8 preliminary leaves, double-page engraved dedication, 52 engraved maps (51 double-page, Russia folding), the engraved title, part of the dedication and the principal areas of the maps COLOURED BY HAND, additional engravings on the celestial planisphere map fully coloured, 8 smaller hemisphere engravings on the world map outline-coloured, pictorial and armorial title-cartouches and vignettes, some inset engravings and other features, map of Russia torn in folds, map of the Roman Empire torn in two, several maps torn in centre fold, some others wormed in centre fold, affecting the engraved surface, sometimes only slightly, a few stains, on guards throughout, contemporary blind-panelled calf, spine defective, worn. folio (526mm. by 325mm.) Augsburg, n.d. (engraved title): Vienna, J.P. von Ghelen, 1730.

£3500

23 ZATTA (A.) ATLANTIS NOVISSIMO, vol. 1-3 (of 4), 3 engraved titles, vol. 1, title pictorial and double-page, 173 engraved maps, including 5 planisphere and other plates, 2 world maps, 2 of the hemispheres, 6 of the Americas and Canada (1 of America in 12 sheets), 20 of Germany, 5 of Scandinavia, 54 of Italy, 15 of France, others of Russia, Poland, Switzerland, etc., all double-page except 4 English counties on 2 plates, the maps hand-coloured in outline, decorated, historiated or vignette title-cartouches and some other features fully coloured, index leaf in each vol., worming of some blank inner bottom corners in vol. 2 and 3, and some top margins in vol. 1 and 2, touching a few plate margins in vol. 2, one margin of map of New Zealand shaved, a few stains, on guards throughout, contemporary half calf, gilt spines, very worn. folio (380mm. by 250mm.). Venice, 1779-84 (3).

£3700

24 [ATLAS] A COLLECTION OF 32 EIGHTEENTH-CENTURY ENGRAVED MAPS, including: Wiebeking (Carl Friedrich von)] Topographische Carte von dem Herzogthum Berg dem durchlauchtigsten Churfürsten von PfaltzBayern und Verweser des Reichs ... 1789-92, a few tears and repairs, affecting engraved surface [? Munich, 1793]—Reinhardt (A.) La basse partie du Cercle du Haut-Rhein, hand-coloured in outline, a few tears and stains, Frankfurt am Main, n.d. —Vienna: Marie (F. I.) Topohydrographische Karte der Stadt Wien, hand-coloured, including plan of the city and surrounding terrain, outline-coloured inset map, Vienna [1801]—Schenk (P.) Geographische Delineation des zu denen Kur Sächsischen Landen gehörigen Markgraffthums Nieder Lausitz ... hand-coloured in outline, Amsterdam, 1757—Lasius (G. S. O.) Topographische Karte des Harz Gebirges, hand-coloured in outline, manuscript additions table of symbols to [Hanover], 1789: The same, another copy—Reinhold (C.L.) Episcopatus Osnabrugensis, inset map and panoramic view of Osnabruck, full-page, Osnabruck, 1770—Mellin (L. A., Graf) Der Rigische Kreis; Der Wendensche Kreis; Der Wolmarsche Kreis; Der Walcksche Kreis, 4 double-page maps, hand-coloured in outline, partly coloured, various decorative features, Berlin, 1791-93-n.d., large folding maps (except the last five), some of several sheets joined; and twenty-one other engraved maps, including military maps ad plans, some folding, some partly coloured, the first two loosely inserted, otherwise on guards throughout, nineteenth-century half ruscia, a little worn. large folio (685mm. by 515mm.).

£3500

25 MARTIN (R. MONTGOMERY. Editor) THE ILLUSTRATED ATLAS AND MODERN HISTORY OF THE WORLD, engraved title with vignette, no printed title, 80 engraved maps (16 of the Americas), hand-coloured in outline, embellished with inset vignette views, costume figures, animals, etc., plus 2 uncoloured plates of rivers, waterfalls, lakes, islands and mountains. J. & F. Tallis, n.d., Index-Gazetteer of the World, illustrated with plans of the principal towns ... by John Rapkin, 26 uncoloured engraved plans of towns and cities of Great Britain, but including New York, all embellished with inset vignette views, the plan of London folding, torn and repaired, 10 plans double-page, 15 full-page, plus an outline-coloured map of the Lake District and a double-page railway map of Great Britain, London Printing and Publishing Co., n.d., original maroon half calf gilt, rubbed, folio. (2).

£850

26 PORTOLAN MAP OF WESTERN EUROPE, showing the coasts of Britain, Belgium, France, Spain, Portugal and North Africa with the Atlantic and Mediterranean islands, ILI MINATED MANUSCRIPT ON VELLUM, a double sheet from a portolan atlas, elaborately decorated with coasts in coloured washes, place names (omitting Britain) in black and red, coats-of-arms of countries within decorative mantling (the arms of England, Scotland and Ireland misplaced), elaborate compass-points and distance-scales, title 'Carte du Pounant' (i.e. map of the west) within floral cartouche with heads of putti, floral border within double red frame, central crease where bound, laid down framed, (420mm. by 610mm.) [Marseilles, c. 1650-75] ♣. This is a very handsome and elaborately decorated portolan map. Although unsigned, it appears to be the work of the Marseilles cartographer Jean André Bremond. The arms of Portugal are not shown, suggesting that the exemplar was earlier than 1640 when Portugal ceased to be under Spanish control. The arms of France are encircled by the Order of St-Michel.

£4000

27 PANORAMA OF THE RHINE—WIEBEKING ([CARL FRIEDRICH VON]) HYDROGRAPHISCH UND MILITAIRISCHE KARTE VOM DEM NIEDER RHEIN VON LINZ BIS UNTER ARNHEIM IN X BLATT August 1796, large folding engraved panoramic map from Wiebeking's work 'Vorschläge zur Verbesserung des Wasserbaues', in 3 sections, formed of 10 numbered sheets, joined, showing considerable detail throughout, title-cartouche plans of Cologne, Düsseldorf and other cities, inset plan, tables, etc. extending to approximately 248in. by 14³/₄in. [Darmstadt, 1797].

£900

TOTAL MAPS AND ATLASES £157,216 (298 lots)

CHRISTIE'S, LONDON, 25 JULY, 1979 (PREMIUM 10%)

28 KITCHEN (THOMAS): THE ROYAL ENGLISH ATLAS, being accurate maps of all the counties in England and Wales, from numerous surveys, 49 engraved double-sheet maps, all coloured in outline, county maps with illustrative cartouches by Emanuel Bowen, engraved chart of distances, all mounted on stubs (some maps with minor tear or soiling in fold, more severe tear in map of Yorkshire, lower blank margin of a few maps affected by damp), contemporary calf-backed boards (some what worn) [Chubb CCXIXa], folio, printed for R. Sayer & J. Bennett [1780]; sold as an atlas not subject to return.

£1600

29 BOWEN (EMANUEL): A COMPLETE SYSTEM OF GEOGRAPHY, 2 vols. (titles somewhat soiled and frayed at edges), 70 maps and plates engraved with cartouches, many double-page, one folding (one plate torn; occasional slight marginal foxing and damp-staining; one map bound inverted), old calf (rebacked: very worn and torn) [Phillips 603], folio, 1747; sold as an atlas not subject to return. (2).

£1200

30 [DAHLBERGH (ERIC JOHNSON): SUECIA ANTIQUA ET MODERNA, 3 vols. in one, 3 engraved titles, 3 portraits and 349 engraved plates, including 6 maps, one folding and 13 folding views, plates engraved by J.V.D. Avelen and others (most plates laid down, some with margins shaved), 14 pages of printed index, contemporary mottled calf gilt, sides with scalloped outer borders, spine gilt (joints weak), oblong folio [Stockholm, plates dated 1693-1715]; sold as a collection of prints, not subject to return.

£2300

31 ORTELIUS (ABRAHAM): ADDITAMENTUM III THEATRI ORBIS TERRARUM, 24 double-page engraved maps; ADDITAMENTUM IV THEATRI ORBIS TERRARUM. 22 double-page engraved maps; text in Latin (a few plates with tears at folds; final two plates slightly wormed at upper fold; occasional minor damp stains) on guards throughout, contemporary calf, sides blind-stamped with central medallions and corner pieces (rubbed, spine worn and defective) [Koeman III Ori 18, 25], folio, Antwerp, 1584-1590. Maps include: Bavaria, Azores, Burgundy, China, Candia, Insula, Peru, Prussia, Romania, Terra Sancta, Gallia Narbonensis, Aegyptus Antiqua, Belgium, Crete, Italy, Sicily, Africa, Britain, Germany, Spain, Iceland, The Pacific, Greece, etc.

£4800

32 BRAUN (GEORG) and FRANZ HOGENBERG: [CIVITATES ORBIS TERRARUM] Contrafactur und Beschreibung von den vornehmsten Stetten der Welt, Liber Tertius, vol. III (only), text in German, hand-coloured engraved title (small marginal tears and stains), 51 hand-coloured engraved double-page plates (only, lacking nos. detached and defective; 5 plates with tears at folds: one plate detached; 6 plates with small marginal ears, 2 slightly affecting imprint: text leaves at beginning and end damp-stained), mounted on guards throughout, contemporary panelled calf, silver blocked cornerpieces and central arabesque on sides (lacking ties), folio [400 × 283mm.], Cologne, G. von Kempen, 1582, sold as an atlas, not subject to return. Includes plans and views of Norwich, Bristol, Loeven, rouen, Chartres, Maastricht, Luetzenburg, Eyssel, Douay, Delft, Rotterdam, Namur, Weinmar, Kongisberg, Landshut, Verona, Tivoli, etc. etc.

£4800

TOTAL MAPS AND ATLASES £23,585 (32 lots)

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**PHILLIPS, LEEDS, 21 SEPTEMBER, 1979
(PREMIUM 10%)**

33 TAYLOR (T.) 'England Exactly Described or a Guide to Travellers in a Compleat Sett of County Maps of all the Counties of England; being a Map of each County wherein every Towne, and Village is Particularly Expressed with the Names and Limits of every Hundred ... according to Mr. Ogilby's Survey'. Printed and Coloured by T. Taylor at ye Golden Lyon in Fleet Street. Tables. R. Blomes maps revised by T. Taylor. 52 maps double page, calf, octavo.

£1250

34 MOLL (H.) 'A New Description of England and Wales with the Adjacent Islands Wherein are contained. Diverse useful Observations and Discoveries in respect to Natural History, Antiquities, Customs, Honours, Privileges etc ... to which is added a new and correct set of Maps of each County, their Roads and Distances, and to render 'em the more acceptable to the Curious, their Margins are adorned with Great Variety of very remarkable Antiquities. Printed for H. Moll over-against Devereux Court in the Strand, T. Bowles Printseller near the Chapter House and C. Rivington Bookseller at the Bible and Crown in St. Paul's Churchyard and J. Bowles, Printseller over-against Stocks-Market London MDCXXIV 1st edition. The book comprises 50 fine maps of the Counties of England and Wales, partially hand coloured in outline, on the title of each map is the name H. or Hermann Moll Geographer. The text consists of pages I-XI 'The Preface', pages 1-15 'The Introduction' and at the end I-X 'The Index' ex libris Delapre Abbey, full calf, folio. 'See T. Chubb CLX in 'The Printed Maps on the Atlases of Great Britain and Ireland, 1579-1870. A Bibliography.

£1500

35 ATLAS HISTORIQUE ou nouvelle Introduction a l'Histoire à la Chronologie etc. a la Geographie Ancienne e Moderne: représentée dans de Nouvelles Cartes; ou l'on remarque l'établissement des Etats e Empires du Monde, leur durée, leur chute e leur differens Gouvernemens ... Pars Mr. C*** avec des Dissertations sur l'Histoire de Chaque Etat, par Mr. Gueudeville, a Amsterdam chez Zacharie Chatelin, 1720-1739. Volumes I-VII complete. The atlas comprises 299 folding engraved maps and plates of the ancient and known world, in fine condition, uncoloured full calf, gilt tooled spine, folio. (7).

£4000

36 OGILBY (J.) 'Britannia or, the Kingdom of England and Dominion of Wales Actually Survey'd with a Geographical and Historical Description of the Principal Roads. Printed for Abel Swall, at the Unicorn in Pater-noster row and Robert Morden, at the Atlas, in Corn-hill (London) MDCXVIII. The 1698 edition comprises 100 double page maps originally used in the 1675 1st edition of Ogilby's Britannia. 'Britannia' was the first survey to appear of the roads of England and Wales in 1675. The 100 double page maps are engraved on strips representing bands of ribbon of about 2½" width; on most plates six or seven are shown. The distances are shown in miles along the roads, with major topographical features and boundaries outlined, with the names of villages and contry seats given. Each map has an elaborate title cartouche with distances measured. Uncoloured in fine condition. The text consists of 48 pages, half morocco with cloth, folio. 'See T. Chubb 'The Printed Maps in the Atlases of Great Britain and Ireland 1579-1870.' A Bibliography. CIIA.

£3000

TOTAL MAPS AND ATLASES £11,760 (23 lots)

**A.L. VAN GENDT & CO. B.V., AMSTERDAM,
9-11 JULY, 1979 (PREMIUM 16%)**

37 ATLAS consisting of 49 double-page (one folding) maps & plans of fortifications in the Netherlands. - Late 17th or early 18th century. - Bound after J. ERRARD DE BAR-LE-DUC. La fortification réduite en art et démontrée. Maintenant mis en lumière par la vefue (sic), et les deux fils de Th. de Bry. Frankfurt. W. Richter, 1604. With engr. title, some figures in the text & num. plans on 36 (of 38) double-page plates. Contemp. mottled calf, back gilt (rubbed; some defects), folio. = Ad 1: Remarkable manuscript, showing detailed ground-plans with the surrounding country, of the most important fortifications in the Netherlands, i a.: Roermond, Goerke, Ieperen, Zierikzee, Rebranchement, Brouwershaven, Alost, Hulst, Leeuwarden, Franeker, Venlo, Harlingen, Staveren, Zwartsluis, Gent, Duinkerken, Oostende, Gravelines, Blankenberge, Cambrai, etc. Most plans are decorated with drawings of sailing ships, compass-cards, churches, farms, etc. A few insignificant stains; some leaves cut short. Ad 2: Lacks plates 25 & 26.

£7000

38 BARTOLOMMEO DALLI SONETTI, Isolario, N.pl., n.d. (Venice, Guilemus Anima Mia Tridimensis, not after 1485). With numerous woodcut maps, some double page & in contemporary handcolouring. Modern calf, 4to. = Goth. char. 41 leaves (out of 56). Hain 2538=14890. Pellechet 1898, IGI 1278. Proctor 5107. BMC V, p.410. Goff B 183. Klebs 158, 1. Guenberg Jahrbuch 1957, p. 94. The first book containing maps which are founded on actual measurements, as is expressly stated. It is actually the earliest printed Atlas of the Mediterranean isles, and si based on a ms. portulan, such as were used by the Venetian seafarers. Apart from its obvious cartiographical interest, the book is also of importance in affording some early Italian poetry, which constitutes the work's text. From the opening cryptogram it has been concluded, that the book was printed during the reign of the Doge Giovanni Mocenigo, 1477-1485. As the printer started his independent career in 1485, it can be fairly safely concluded that this was also the year when the book was printed. Of the lacking 15 leaves, 9 have been replaced by roughly drawn maps of the 18th century. Some stains, traces of use repaired holes, etc. Sold w.a.f., not subject to return.

£17,000

39 BODENHR, GABRIEL, Force d'Europe, oder Die Merckwirdigst- und Fürnehmste meistentheils auch Ihrer Fortification wegen Berühmteste Staette, Vestungen, Seehaeften, Paesse. Camps de Bataille in Europa, Augsburg, G. Bodenehr, n.d. (ca. 1720). With engraved title (mounted), engraved table of contents & 200 engraved town-plans, bird's eye views, etc. Modern vellum. Small foliooblong. - Apart from one or two blue or red pencil marks in three of the plates a very good copy; the title mounted.

£11,500

40 BYBEL, dat is de gantsche H. Schrift, verv. alle de kanonyke boeken des Ouden & Nieuwen Testaments. (With:) De boeken genoemt Apocryphe, Gorinchem, N. Goetzee, 1748, 3 parts in 2 vols., With 2 engr. fronts., engr. dedicatory plate 210 fine engr. plates (28 double-page) by J. v. Vianen, J. Mulder, G. v. d. Gouwen, M. Pool, a.o. after Hoet, Houbraken & Picart & 12 folding engr. maps. Contemp. gilt polished calf, folio. - Cat Bijbel Tent. 693, a well-annotated edition. The fine plates with underlines Hebrew, English, German, latin, French & Dutch were published separately in 1720 & 1728 as "Figures de la Bible". As the engr. front. indicates the plates in this cop were from the edition The Hague, P. de Hondt, 1728. One of the finest illustrated editions of the "States Version". - Top & foot of spines, corners & sides a bit dam., some foxing, some marg. waterstains, some leaves loose, but in all an acceptable copy

£3600

41 CAART-BOECK van Voorne, van alle de Dorpen en Polders gelegen in den Lande van Oost ende West Voorne, mitg. Over-Flaquee resorteerende onder 't Comptoir der Verpondingen 's lants van Voorne, N.pl., 1701. With a fine, double-page, etched title by Romeyn de Hooghe & 32 maps (1 fold., 31 double-page, numb. 1-17, A-F, 1-9) eng. by I. Stemmers & Jan Luyken after A. Steyaart, all in contemporary handcolouring. Contemp. calf, sides with gilt corner-pieces within double gilt lines & gilt lettering one same, spine richly gilt, large folio. = Landweh, R. d. H. 97. A beautiful copy, title and maps in brilliant and strictly contemporary handcolouring. The fine title and the cartouches are very decorative. - Corners repaired, top of spine a bit dam.

£13,000

42 GUICCIARDINI, L., Nederlands Beschreibung, in welcher aller darinn begriffnen Landschafften (etc.) Verteuschet durch D. Ferdernan von Memmingen, Basel, seb. Heinricipetri, 1580. With 4 double-page woodcut maps (general map of the Netherlands & 3 maps depicting the course of the Rhine) & ca. 150 woodcuts in the text (views of cities & villages, ships, plants, etc.). - First German edition. Bound after: J. SCHLEIDAN, General Historien der allerwahrhafftigsten unnd fürnembsten Geschichten, Thaten und Handlungen. . . Keyser Carols des Fünftten und Anfange Ferdinanden seines Bruders Regierung. Ib., id., c. (1577). With woodcuts in the text & a fold. woodcut map of Hungary. - Among the woodcuts double-page cuts of St. Quentin, the inquisition, the "ship" used in Charles' festival entry in Brussel & a number of smaller cuts depicting the entry itself. - Tog. 2 works in one vol. Old vellum (not contemp.), folio (partly a bit browned; a number of neat contemp. annots.)

£5800

TOTAL MAPS AND ATLASES £72,585 (17 lots)

**SOTHEBY'S, LONDON, 30-31 JULY, 1979
(PREMIUM 10%)**

43 [BLOME (RICHARD)] [BRITANNIA], 49 double-page engraved maps only (of 50, lacking the general map), no armorial plates, browned and soiled, a few plates and maps defective, lacking all before B1 and after 3N2, eighteenth century rough calf, slightly worn; [Wing B3297]; sold not subject to return, folio [1673].

£1200

44 CAMDEN (WILLIAM) BRITANNIA: or, a Chorographical Description of Great Britain and Ireland ... [translated] ... [and] revised ... by Edmund Gibson, 2-vol., titles printed in red and black, engraved portrait and 9 plates of coins, 51 double-page or folding engraved maps, slight browning, contemporary sprinkled calf, worn, folio 1753.

£900

45 LINSCHOTEN (JAN HUYGEN VAN) HISTOIRE DE LA NAVIGATION ... AUX INDES ORIENTALES: [LE GRAND ROUTIER DE MER; DESCRIPTION DE L'AMERIQUE], 3 parts in 1 vol., 36 folding engraved plates and plans, 6 folding engraved maps, a few of the plates, plans, and maps slightly defective, all mounted, some browning and soiling, contemporary mottled calf, worn, spine defective [Sabin 41373], folio Amsterdam, 1638.

£1600

46 ZEILLER (MARTIN) TOPOGRAPHIA GALLIAE, 13 parts in 3 vol., 9 engraved titles, 275 engraved plates and plans (? of 306), double-page or with more than one view to the plate, 12 double-page graved maps only (of 18), part 1 lacking all maps, part IV and IX lacking all maps and plates and plans, some browning and osiling, some plates and maps torn, early nineteenth century half calf, labels, slightly worn; sold not subject to return, folio Frankfurt-a.-M., Apud Casparum Merianum?, 1655-61

£1300

47 LINSCHOTEN (JAN HUYGEN VAN) HISTOIRE DE LA NAVIGATION ... aux Indes Orientales ... [Le grand routier de mer ... Description de l'Amérique], 3 parts in 1 vol., titles within engraved border or with engraved vignette, 30 folding engraved plates, 12 folding engraved maps and plans, full-page engraved portrait in text, slight browning and soiling, a few plates and maps and plans shaved, bookplate of Philip Lord Hardwicke, contemporary calf, rebounded, rubbed, folio Paris, 1638

£2600

TOTAL MAPS AND ATLASES £12,465 (27 lots)

**LAWRENCE, CREWKERNE, 4 OCTOBER, 1979
(PREMIUM 10%)**

48 ATLAS: COLLECTION OF THIRTY-NINE MAPS, mainly 17th century. Folio 19th century half calf spine gilt (some scuffing, label missing). These maps by De Wit, the Allard family, the Dancckerts family, Jaillot, Schenk and others, depict many parts of the world, including America and China, but chiefly Europe, and, in particular, the Netherlands and Germany. This collection seems to have been formed in the early 18th century, as a manuscript contents list, probably written at that period, headed 'Register der Kaarte' precedes the maps. A number of maps mentioned on the list have been removed from the atlas. Size and condition: The maps are generally in good condition, although a number have been trimmed to a uniform size to facilitate rebinding, but the borders are not affected. The maps are double-page, on guards throughout (some strengthened on the folds), plain on reverse except for manuscript numbering, the majority have contemporary hand-colouring. Maps are approximately 20½ in by 25 in, unless otherwise stated.

Contents.

Manuscript index.

1. ALLIARD, KAREL: Accuratissima Europae Tabula. Hand-coloured map of Europe, Amsterdam, c.1705. Title cartouche, slight tear at foot of central fold.
2. ALLARD, KAREL: Asiae Nova Discriptio. Uncoloured map of Asia with South Pacific and North Australia as represented by Tasman, Amsterdam, 1679. Title cartouche, galleons and monsters at sea, beasts on land, slight marginal staining, 19in by 24in.
3. ALLARD, KAREL: Africae Nova Discriptio. Uncoloured map of Africa, Amsterdam, 1679. Title cartouche with crocodile, another cartouche, 18½ in by 23 in
4. ALLIARD, KAREL: Americae Nova Discriptio. Uncoloured map of America, Amsterdam (1680). Title cartouche incorporating Indian on an armadillo, seahorses and Neptune at sea, 18½ in by 23½ in.
5. VISSCHER, NICHOLAES: Germaniae Inferioris XVII Provinciarum Accuratissima Tabula. Map of Flanders, Netherlands etc., contemp. hand-colouring of the Provinces, Peter Schenk, Amsterdam, c.1700. Title cartouche, key within cartouche with arms of Theodore Munter, galleons at sea.
6. ALLARDT, HUGO: Foederatae Belgicae Tabula. Uncoloured map of Netherlands, Belgium and North Germany, Amsterdam, c.1700. Title cartouche, two scales within decoration containing inset plan surmounted by orrery, galleons at sea, compass rose with rays, some very slight wear and holing on folds.
7. DANCCKERTS, JUSTIN: Provinciae Belgii Regii ... Map of N. France, Netherlands etc., hand-colouring of map border, boundaries and cartouche, Amsterdam, c.1700. Title cartouche with globe and putti, worn patches on title.
8. SPRECHT, CASPAR: Tafel Van de XVII Nederlandze Provincien ... Hand-coloured engraved table of 17 provinces, with inset map of provinces and table of distances, showing arms of states with explanations, Utrecht, 1705.
9. VISSCHER, NICHOLAES: Comitatus Hollandia Tabula Pluribus Locis Recens. Uncoloured map of the Netherlands, c.1700. Inset plan, galleons at sea, compass roses with rays, monster and mermaid bearing arms, canals.
10. SCHENK, PETER: Tabula Hollandiae Borealis, Cognitae olim sub nomine Kennemariae et West Frisiae ... Folding hand-coloured map of the Netherlands, after Sanson, Amsterdam, 1708. Title cartouche of dairy maids with cow (uncoloured), inset plan of islands, roads and canals, some wear on folds (repaired, three holes in outer margins).
11. WIT, FREDERICK DE: Tabula Domini Groeningae Quae et Complectitur Maximam Partem Drentiae. Hand-coloured map of Groenigen, Amsterdam, 1680 or later. Cartouche of arms, compass roses with rays, inset plan of islands, roads and waterways.
12. WIT, FREDERICK DE: Comitatus Zutphaniae et Fluminis Isulae Nova Delineatio. Uncoloured map of Rhine enterng Zuider Zee, Amsterdam, 1680 or later. Cartouche of arms, waterways, roads, 20½ in by 24½ in.
13. WIT, FREDERICK DE: Marchionatus Sacri Imperii et Domini Mechelini Tabula. Map of area surrounding Mechlen, including Brussels and Antwerp, Amsterdam, 1680 or later. Cartouche of arms, town plans, waterways, roads.
14. OTTENS, JOACHIM: Theatre de la Guerre, en Artois, Hainaut, Picardie, Isle de France ... Hand-coloured map of Northern France engraved by J. Keyser, Amsterdam, 1730 or later.
15. DANCCKERTS, THEODORE: Novissima et Accuratissima Canalis inter Angliae Tabula. Map of Southern Britain and Northern France (cartouche and boundaries hand-coloured). Amsterdam, 1700 or later. Title cartouche incorporating key and scale, compass roses with rays, sea depth, position of sea battles.
16. DANCCKERTS, CORNELIUS: Comte et Gouvernement du Provence ... Hand-coloured map of Southern France engraved by A. Schut, Amsterdam, c.1680. Title cartouche and key cartouche.
17. SANSON, N.: L'Espagne. Uncoloured map of Spain, H. Jaillot, Paris, 1695 or later. Title cartouche incorporating horses with horsemen
18. DANCCKERTS, THFODORE: Novissima Regnorum Portugalliae et Algarbiae Descriptio. Hand-coloured map of Portugal, Amsterdam, c.1700. Title cartouche with putti, key and scale surmounted by arms
19. SCHIFFN, PETER: L'Empire D'Allemagne. Hand-coloured map of the German Empire based on Sanson's, Amsterdam, continued on page 49

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The Directory of Dealers will be continued in forthcoming issues of the Map Collector. To make it as complete as possible, the Directory has been compiled from many varied sources. Also, each dealer has been asked to confirm details for the purposes of a listing. At the time of going to press we had not received confirmations from some of the dealers listed in this issue. Nevertheless, their names have been included in cases where the evidence available to us suggests that the information shown is correct.

If any dealers from countries dealt with in this issue are not listed, or if other readers know of such dealers, we should be grateful if they would let us know so that we can include them in the next issue.

The publication of this Directory is solely to assist collectors in locating dealers. Any transactions with any of the dealers listed are entirely at their own risk.

continued from page 47

- 1700 or later. Title cartouche (uncoloured).
20. WIT, FREDRICK DE: Totius Fluminis Rheni Novissima Descriptio. Hand-coloured map of the Rhine, on two plates, Amsterdam, 1680 or later. Title cartouche and key cartouche galleons at sea. *border trimmed from top plate.*
- 20a. Place index from one of Vischer's atlases.
21. SCHENK, PETER: Palatinatus Rheni Tabula ... Hand-coloured map of Southern Germany. Amsterdam, c.1700. Title cartouche (uncoloured).
22. WIT, FREDRICK DE: Utriusque Alsatie Ducatus. Hand-coloured map of Alsace, Amsterdam, 1680 or later. Title cartouche with shields and putti, inset plan supported by cherubs.
23. SCHENK, PETER: Saxoniae Electoralis Finitimarumque Nova et Antea ... Contemp. hand-coloured map by J.J. Kas, engraved by Schenk. Amsterdam, c.1700. Arms, vignette of horsemen and coach
24. DANCKERTS, CORNELIUS: Comitatus Tirolis Episcopatus ... Hand-coloured map of Austrian Alps. Amsterdam, c.1700.
25. SCHENK, PETER: Le Royaume de Boheme ... Hand-coloured map of Bohemia. Silesia etc., Amsterdam, c.1700. Title cartouche (uncoloured).
26. JAILLOT, H.: La Suisse Divisee en ses Treze Cantons. Map of Switzerland (boundaries coloured). Covens & Mortier, Amsterdam, c.1740. Title cartouche, key and scales, border of arms. (Apparently not on contents list.)
27. DANCKERTS, JUSTIN: Circuli Austriaci ... Hand-coloured map of Austria, Amsterdam, c.1700. Title cartouche incorporating scales, inset map
28. (BLAEU, G.): Danubius, Fluvius Europae Maximus, A fortibus ad Ostia, cum omnibus Fluminibus, ab utroque latere, in illum defluentibus. Uncoloured folding map showing the course of the Danube, c.1660. Title cartouche, scale cartouche, *two sections joined in middle, wide margins, 20 1/2 in by 39 1/2 in.*
29. DANCKERTS, JUSTIN: Status Sabaudici ... Hand-coloured map of Southern France etc., Amsterdam, c.1700.
30. DANCKERTS, CORNELIUS: Sedes Belli in Dauphinae et Provinciae ... Hand-coloured map of Southern France, Amsterdam, c.1680. A fine cartouche of mounted soldiers and drummers incorporating scale.
31. VALK, GERARD: Status Mediolanensis ... Hand-coloured map of North West Italy etc., Amsterdam, c.1700. Title cartouche, *slight holing in sea area, small tear at foot of fold.*
32. SCHENK, PETER: Continentis Italiae Pars Australior: sine Regnum Neapolitanum ... Hand-coloured map of Southern Italy and Sicily, Amsterdam, 1703. Title cartouche (uncoloured), inset plan of Malta and Gozo, *two small holes in sea area.*
33. SANSON, N.: Imperium Turcicum. Hand-coloured map of Turkish Empire, Amsterdam, c.1700. Peter Schenk. Title cartouche with French title, inset plan.
34. WIT, FREDRICK DE: Magnae Tartariae. Magni Mogolis Imperii Iaponiae et Chinae Nova Descriptio. Hand-coloured map of China and Japan, Amsterdam, c.1680. Title cartouche flanked by putti.
35. WIT, FREDRICK DE: Tabula Russiae vulgo Moscovia. Hand-coloured map of Moscovy, engraved by T. Lhulier, Amsterdam, c.1680. Title cartouche of hunters, deer etc.
36. WIT, FREDRICK DE: Norvegia Regnum ... Hand-coloured map of Norway, Amsterdam, c.1680. Title cartouche of pines, putti and arms of Norway only, incorporating scale, inset map.
37. VALK, GERARD: Tabula Ducatum Livoniae et Curlandiae recentior. Hand-coloured map of Eastern Baltic regions, Amsterdam, c.1700. Title cartouche (uncoloured).
38. ALLARD, KAREL: Regni Poloniae, Magni Ducatus Lithuaniae ... Hand-coloured map of Poland etc., Amsterdam, c.1700. Fine title cartouche and scale of cartouche after ... Tideman and engraved by G.V. Gouwen, *slight marginal holing.*
39. DANCKERTS, CORNELIUS: Insulae Americanae Nempae Hand-coloured map of Caribbean region, Amsterdam, c.1700. Title cartouche flanked by putti and clouds, *slight marginal holing.*

£1800

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BONHAM'S, LONDON, 10-11 OCTOBER, 1979 (PREMIUM 10%)

49. SCHEDEL (Hartmann): LIBER CHRONICARUM, 1809 woodcuts, some double-page and a double-page woodcut map of Wohlgemuth and Pleydenwurff. First Edition, 325 leaves including the 3 blank leaves and the 5 leaves of 'De Sarmacia' after the colophon, folio, old vellum (re-backed, tear in fol. 36, a number of leaves between folios 129-176 affected by damp resulting in some damage with loss of text, a few crudely repaired with old facsimile insertions, sold w.a.f.) Nuremberg, 1493.

£6800

50. BOWEN (E.): THE LARGE ENGLISH ATLAS. 44 (of 45) large double-page maps coloured in outline with cartouches, some with engraved views, etc. (title defective, map of Bedford badly torn, map of Cornwall slightly defective, minor tears and creases throughout, as an atlas sold w.a.f.) folio, disbound, T. Bowles, John Bowles & Son, etc., n.d. [ca. 1760].

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Collations, namely the listing of atlas contents map by map, are the basic tools of the map collector and the student of historical cartography. They assist in the identification of particular editions, in the dating of loose maps which have become detached from atlases and they help to confirm or otherwise the completeness of a particular work. It is only by studying atlas contents that collectors and scholars can determine which maps, covering particular areas of interest, have been published in atlas form.

A number of atlases are collated in each issue to form with the rest of The Map Collector, an unending part-work encyclopaedia on the history of cartography.

L'ATLAS CURIEUX, 1705

DE FER, N.: L'ATLAS CURIEUX/ OU/ LE MONDE REPRÉSENTÉ/ DANS DES CARTES GÉNÉRALES ET PARTICULIÈRES DU CIEL ET DE LA TERRE/ DIVISÉ/ TANT EN SES QUATRE PRINCIPALES PARTIES QUE PAR ÉTATS ET PROVINCES/ ET ORNÉ/ Par des Plans et Descriptions des villes capitales et Principales,/ et des plus superbes Edifices qui les embellissent:/ comme sont les Eglises, les Palais, les Maisons de Plaisance, les Hardins,/ les Fontaines &c./ Par N. de Fer. Géographe de MONSEIGNEUR LE DAUPHIN. // DEDIÉ/ A MONSEIGNEURS/ LES ENFANS DE FRANCE/ Par leur tres humble/ et res obeissant serviteur/ de Fer. // A PARIS/ chez l'Auteur/ dans l'Isle du Palais/ sur le quay de l'orloge/ a la Sphere Royale/ avec privilege du Roy/ 1705. // N.G. fe: 227 x 341mm. Oblong fol.

Contents:

1 TABLE/ DES FIGURES, CARTES ET DESCRIPTIONS DE L'ATLAS CURIEUX./ Suivant l'ordre que l'on doit tenir dans l'arrangement des deux Tomes qui composent cet ouvrage. // H. van Loon Scripsit 265 x 378mm.

2 [main title, as above]

3 LA SPHERE ARTIFICIELE. // A PARIS/ chez l'Auteur dans l'Isle du Palais sur le Quay de l'Orloge à la Sphere Royale./ Avec Privilege du Roy 1705.// H. Van Loon fecit. 230 x 325mm.

4 PLANISPHERES CELESTE. Par M.^r de la Hire. Professeur Royal et de l'Academie des Sciences. -/ Mis aujourd par N. de Fer. Geographe de Monseigneur le Dauphin.// A PARIS./ Chez de S.^r de Fer dans l'Isle du Palais sur le Quay de l'Orloge à la Sphere Royale./ Avec Privilege du Roy./ 1705 / H. van Loon fecit. 230 x 330mm.

5 DISCOUR SUR LE PLANISPHERE CELESTE/ Par M.^r de la Hire Professeur Royal et de l'Academie des Sciences. 162 x 225mm.

6 Le Systeme de Ptolomée/ Le Systeme de Copernic/ Le Systeme de Descartes/ Le Systeme de Ticho Brahe.// A PARIS./ Chez de S.^r de Fer dans l'Isle du Palais/ sur le Quay de l'Orloge à la Sphere Royale/ Avec Privilege du Roy.// H. van Loon Fecit. 235 x 330mm.

7 DES PRINCIPAUX SISTEMES DU MONDE, par N. de Fer. 165 x 227mm.

8 MAPPE-MONDE DU CARTE GENERALE DE LA TERRE./ Dressée Sur les Observations de M.^{rs} de l'Academie Royale des Sciences/ Par N. de Fer/ Geographe de MONSEIGNEUR LE DAUPHIN./ A Paris/ Chez l'Auteur, dans l'Isle du Palais a la Sphere Royale/ Avec Privilege du Roy/ 1705. // C. Inselin Sculpsit. 227 x 337mm.

9 DESCRIPTION DU GLOBE TERRESTRE. Par N. de Fer. 132 x 192mm.

10 MAPPE-MONDE OU/ CARTE UNIVERSELLE/ Par N. de Fer/ Geographe de Mons.^r le Dauphin.// A PARIS/ Chez l'Auteur dans l'Isle du Palais a la Sphere Royale/ Avec privilege du Roy/ 1705./ C. Inselin Sculps. 231 x 234mm.

11 L'EUROPE/ Suivant les Nouvelles observations/ de M.^{rs} de l'Academie Royale des Sciences/ Par N. de Fer./ Geographe DE MONSEIGNEUR LE DAUPHIN.// A PARIS/ Cher l'Autheur dans l'Isle du Palais Sur le Quay de l'Orloge/ a la Sphere Royale Avec/ Privilege du Roy./ 1705.// Dediée A/ NOSSEIGNEURS LES ENFANS/ DE FRANCE./ Par leur tres humble et tres obeissant serviteur/ de Fer. 220 x 328mm.

12 DESCRIPTION DE L'EUROPE Par de Fer. 128 x 187mm.

13 L'ASIE/ Suivant les Nouvelles Decouvertes dont les Point/ Principaux Sont Placez/ Sur les Observations 52

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14 DESCRIPTION DE L'ASIE. Par de Fer. 123 x 185mm.

15 L'AFRIQUE/ Dressée Selon les dernieres Relat./ et suivant les Nouvelles decouvertes/ dont les Points Principaux sont/ placez sur les observations de/ M.^{rs} de l'Academie Royale des Sciences./ Par N. de Fer./ A PARIS chez l'Auteur dans l'Isle du/ Palais sur le Quay de l'Orloge a la Sphere Royale 1705. Avec Privil. du Roy.// Dediée/ A NOSSEIGNEURS/ Les Enfants de France./ Par leur tres humble et/ tres Obeiss. Serviteur/ de Fer./ Geog. de Monseig.^r le Dauphin. 230 x 318mm.

16 DESCRIPTION DE L'AFRIQUE Par de Fer. 131 x 192mm.

17 L'AMERIQUE./ MERIDIONALE ET/ SEPTENTRIONALE/ Dressée selon les dernieres Relations/ et suivant les Nouvelles Decouvertes/ dont les points principaux sont placez/ sur les observations de M.^{rs} de l'Acade-/ mie Royale des Sciences. Par N. de Fer.// A PARIS/ Chez l'Autheur dans l'Isle du/ Palais sur le Quay de l'Orloge/ a la Sphere Royale Avec priv. du Roy, 1705.// Dressée et Dediée/ A NOSSEIGNEURS LES/ ENFANS DE FRANCE./ Par leur tres humble/ et tres Obeissant ser-/ viteur de Fer. Geog./ de MGR. LE DAUPHIN/ C. Inselin Scripsit. 223 x 331mm.

18 DESCRIPTION DE L'AMERIQUE par de Fer. 133 x 193mm.

19 LA FRANCE/ SES Conquêtes, des/ Acquisitions & ses Bornes/ Par les derniers Traitez et dont/ les Points principaux sont posés/ suivant les Observat. de M.^{rs} de l'Academie Royale des/ Sciences. par N. de Fer.// Dediée A/ NOSSEIGNEURS LES/ ENFANS DE FRANCE/ Par leur tres humble/ et tres Obeissant/ Serviteur de Fer./ Geog. de M.^r le Dauphin/ rule/ A Paris/ Chez l'Autheur dans l'Isle du/ Palais sur le Quay de l'Orloge/ à la Sphere Royale, avec P. du Roy/ 1705.// Inselin sculp. 221 x 318mm.

20 DESCRIPTION DE LA FRANCE par N. de Fer. 133 x 193mm.

21 ENVIRONS DE PARIS/ Par N. de Fer. 1705.// P. Starckman sc. 241 x 341mm.

22 LE PLAN DE LA VILLE./ CITÉ, ET/ UNIVERSITÉ/ DE PARIS./ Capitale du Royaume/ de France./ Située a 48. degrez 51 minutes de La=/ titude Septentrionale et à 20 degrez/ 30. minutes de Longitude. Suivant les/Dernieres Observations de M.^{rs} de l'Academie Royale des Sciences./ Par N. de Fer.// A Paris./ Chez l'Autheur dans l'Isle du/ Palais a la Sphere Royale./ Avec Privilege du Roy/ 1705.// H. van Loon sculp. 218 x 332mm.

23 DESCRIPTION DE PARIS, par N. de Fer. 164 x 224mm.

24 VUE DE LA GRANDE FASADE DU LOUVRE, du côté d'Orient.// A Paris chez le S.^r de Fer avec privilege du Roy 1705. 240 x 325mm.

25 VUE DU CHATEAU DU LOUVRE PAR LA COUR./ A Paris chez le S.^r de Fer dans l'Isle du Palais/ a la Sphere Royale 1705. 238 x 328mm.

26 DESCRIPTION DU CHATEAU DU LOUVRE. Par N. de Fer. 1704. 164 x 227mm.

27 LA PLACE DE LOUIS DE GRAND.// A Paris chez S.^r de Fer. avec Privilege du Roi. 230 x 330mm.

28 DESCRIPTION DE LA PLACE DE LOUIS DE GRAND Par N. de Fer. 152 x 213mm.

29 PLAN DE L'OBSERVATOIRE, ROYAL DE PARIS./ Bâtie sous le Regne de Louis le Grand l'an 1667. Sur le Dessen de M.^r Perrault.// A PARIS/ Chez le S.^r de Fer/ dans l'Isle du Palais/ sur le Quay de l'Orloge/ a la Sphere Royale./ 1705.// A. Coquart. 230 x 325mm.

30 VUE SEPTENTRIONALE DE L'OBSERVATOIRE./

De Paris.// FASADE MERIDIONALE DE L'OBSERVATOIRE./ De Paris.// [observatory] A Paris chez le S.^r de Fer dans l'Isle sur le Quay de l'Orloge a la Sphere Royale avec du Roy 1705.// A. Coquart s. 257 x 335mm.

31 DESCRIPTION DE L'OBSERVATOIRE Royal, par N. de Fer 1704. 168 x 236mm.

32 PLAN GENERAL DU REZ DE CHAUSSÉE DE L'ÉGLISE ET DE L'HÔTEL ROYAL DES INVALIDES/ mis au jour par N. de Fer.// A PARIS/ Chez le S.^r de Fer, dans l'Isle du Palais/ a la Sphere Royale avec privilege du Roy./ 1705. 232 x 341mm.

33 Plan General a veüe d'Oyseau de l'hostel/ Royal des Invalides, Bâti pres et au Sud-/ ouest de Paris dans le Pré aux Clercs.// Veüe en perspective de l'hostel Royal des Invalides// Grand Portail et Dome de l'Eglise de l'hostel Royal des Invalides. Par N. de Fer, A Paris dans l'Isle du Palais sur le Quay de l'Orloge a la Sphere Royale./ Avec Privil du Roy 1705. 235 x 307mm.

34 DESCRIPTION DE L'HOTEL ROIAL DES INVALIDES, par N. de Fer. 138 x 242mm.

35 Veüe DE L'AQUEDUC D'ARCUEIL du Côté du Midy.// Veüe DE L'AQUEDUC du côté du Village D'ARCUEIL./ ou du Septentrion. Guerard delinea vit/ et fecit.// [aqueduct] // A. Paris./ Cher le S.^r de Fer. dans l'Isle du Palais/ ala sphere Royale avec Privilege du Roy. 1705. 231 x 340mm.

36 LE BOIS DE BOULOGNE./ Prés Paris./ Appartenant au Roy et aux Dames Religieuses-/ de l'Abbaye de Lonchamp. Dans le quel Bois-/ Francois I. Roy de France y fit Bâti le cha-/teau Royal de Madrid/ Par N. de Fer./ Geographe de sa Majesté Catholique/et de Monseigneur le Dauphin/ avec privil. du Roy 1705. 235 x 327mm.

37 PLAN GENERAL DES/ CHATEAUX ET VILLE DE/ S.^r GERMAIN EN LAYE./ A Paris chez le S.^r de Fer dans l'Isle du Palais sur le Quay de l'Orloge a la/ sphere Royale/ Avec Privilege du Roy 1705.// H. van Loon fecit. 230 x 335mm.

38 DESCRIPTION DE S.^r GERMAIN EN LAYE, DE MARLY, DE TRIANON./ ET DE LA MENAGERIE, Par N. de Fer. 160 x 222mm.

39 LA MACHINE/Située la Riviere de Seine près S.^t Germain en Laye.../ par N. de Fer.// C. Inselin Sculpsit. 222 x 335mm.

40 COUPE DE LA MACHINE DE MARLY// VUE GENERALE DE LA MACHINE/ DE MARLY. 228 x 340mm.

41 DESCRIPTION DE LA MACHINE DE MARLY, qui conduit les eaux a Versailles, par N. de Fer. 162 x 211mm.

42 PLAN GENERAL DE VERSAILLES/ Son Parc, Son Louvre, Ses Jardins, ses Fontaines, ses Bosquets, et sa ville./ Par N. de Fer. Geographe de Monsgr./ le Dauphin.// A PARIS/ chez le S.^r de Fer dans l'Isle du Palais sur le/ Quay de l'Orloge a la/ Sphere Royale./ Avec Privilege du Roy./ 1705.// Gravé par C. Inselin. 330 x 224mm.

43 DESCRIPTION DE VERSAILLES par N. de Fer. 127 x 186mm.

44 LE CHATEAU DE VERSAILLES ET SES DEUX AISLES, veües du côté des lardins.// A Paris chez le S.^r de Fer avec privilege du Roy 1705. 219 x 327mm.

45 ECURIES DU ROY A VERSAILLES, Veües du côté du Louvre.// A Paris chez le S.^r de Fer avec Privilege du Roy 1705. 222 x 325mm.

46 LE PALAIS DE CLAGNY, Prés Versailles, Veüe du côté de Paris.// A Paris chez le S.^r de Fer avec privilege du Roy 1705. 234 x 325mm.

47 LA MENAGERIE DE VERSAILLES. par N. de Fer./ avec privilege du Roy 1075. [sic] 332 x 213mm.

48 PLAN DU PALAIS DE TRIANON/ Bâti par Louis le Grand à l'un des Bouts de la Croissée/ du grand Canal de Versailles.// A Paris/ Chez le S.^r de Fer dans l'Isle

L'ATLAS CURIEUX ou LE MONDE REPRÉSENTÉ DANS DES CARTES GÉNÉRALES ET PARTICULIÈRES DU CIEL ET DE LA TERRE DIVISÉ D'ABORD EN SES QUATRE PRINCIPALES PARTIES QUE PAR ÉTATS ET PROVINCES ET ORNÉ

Par des Plans et Descriptions des Villes Capitales et Principales.
et des plus Superbes Edifices qui les embellissent:

Comme sont les Eglises, les Palais, les Mairies, de Plaisance, les Jardins,
les Fontaines &c.

Par N. de Fer, Geographe de MONSIEUR LE DAUPHIN.



The main title page from De Fer's L'Atlas Curieux.

du/Palais sur le quay de l'orloge/ a la Sphère Royale. Avec priv. du Roy./ 1705.// C. Inselin Sculp. 224 x 336mm.

49 MAISON ET JARDINS/ DE S.^T CIR/ Pres Versailles/ par N. de Fer./ avec privil. du Roy/ 1705/ 239 x 333mm.

50 DESCRIPTION DE LA MAISON DE S.^T CIR. Par N. de Fer. 159 x 219mm.

51 PLAN GENERAL DE MARLY. // A Paris, chez le S.^T de Fer dans l'Isle du Palais/ Sur le Quay de l'Orloge a la Sphère Royale. // Avec Privilège du Roy 1705.// H. van Loon sculp. 385 x 282mm.

52 PLAN DE LA BELLE ET MANIFIQUE/ MAISON DE MONSIEUR A S.^T CLOUD/ Son Parc, Ses Jardins, Ses Bosquets,/ Allées, Casquades, jets d'Eau, Canaux,/ Grottes, Bassins &c./ Par N. de Fer/ avec privilège du Roy 1705. 274 x 378mm.

53 PLAN GENERAL DE CHANTILLY; Appartenant à S.A.M.^{GR} LE PRINCE DE CONDE Son Bourg, Ses Jardins,/ Fontaines, Bosquets et Canaux, Situés à 8 lieues de Paris, entre Senlis et la Rivière d'Oyse A Paris chez le S.^T de Fer. Avec Privil. du Roy 1705.// A Coquart sculp.^S et Scrip.^S 242 x 338mm.

54 GOUVERNEMENT/ DE DAUPHINÉ/ GENERALITÉ/ DE GRENOBLE. Par N. de Fer Geographe de/ sa Majesté catholique et de/ Monseign.^r le Dauphin.// A Paris chez l'Auteur dans l'Isle/ du Palais ala Sphère Royale/ avec Privilège du Roy./ 1705.// P. Starckman Sc. 229 x 339mm.

55 DESCRIPTION DE LONDRES par N. de Fer. 130 x 193mm.

56 LES PROVINCES UNIES/ DES PAÏS BAS/ Connues sous le nom/ DE HOLLANDE./ Par N. de Fer. Geographe de Monseigneur/ LE DAUPHIN/ A PARIS./ chez l'Auteur dans l'Isle du Palais a/ la Sphère Royale./ Avec Privilège du Roy. 1705.// Van Loon Sculp.^S 227 x 329mm.

57 DESCRIPTION DES PROVINCES UNIES DE PAÏS BAS. Par N. de Fer 161 x 225mm.

58 AMSTERDAM. Fameux Port de Mer./ Situé à 52. degrez 21. minutes/ de Latitude Septentrionale et a/ 22.

deg. 52. min. de Longitude./ Par N. de Fer./ A Paris./ dans l'Isle du Palais/ a la Sphère Royale/ avec Priv. du Roy 1705.// H. van Loon fecit. 222 x 323mm.

59 DESCRIPTION D'AMSTRDAM, par N. de Fer. 130 x 192mm.

60 LA HAÏE/ Sejour ordinaire de/ la Cour Hollandoise/[rule]/ Par N. de Fer/ A PARIS/ Chez l'Auteur dans l'Isle/ du Palais sur le Quay de/ l'Orloge à la Sphère/ Royal. Avec privilège/ du Roy./ 1705.// C. Inselin fecit [reversed]. 221 x 333mm.

61 DESCRIPTION DE LA HAYE, par N. de Fer. 128 x 189mm.

62 Vue Generale de la Maison et des Jardins de NIEUBURG, pres du Village de RISWICK. appartenant a la Maison de/ Nassau et ou se sont tenues les conférences de la Paix Generale en 1705.// H. Van Loon Fecit. 166 x 293mm.

63 PAÏS BAS CATHOLIQUES/ Connues sous le nom de/ FLANDRE./ Par N. de Fer.// A PARIS/ Chez l'Auteur dans l'Isle du/ Palais ala Sphère Royale./ Avec Privilège du Roy 1705.// Van Loon sculp. 215 x 323mm.

64 DESCRIPTION DES PAÏS BAS CATHOLIQUES, Connus sous le nom de FLANDRE. Par N. de Fer. 158 x 228mm.

65 BRUSSELLES/ Ville des Pais Bas/ capitale du Brabant et Sejour/ Ordinaire du Gouverneur pour/ le Roy d'Espagne.// A PARIS/ chez le S.^T de Fer, dans l'Isle du Palais/ a la Sphère Royale. Avec Privilège du Roy./ 1705. 222 x 315mm.

66 DESCRIPTION DE BRUXELLES. par N. de Fer. 134 x 191mm.

67 ANVERS// LE MARQUISAT DU S.^T EMPIRE/ Consistant en la seule ville/ D'ANVERS./ et son Territoire/ qui fait une des Provinces/ des Pais Bas, au Roy d'Espagne.// A PARIS/ Chez le S.^T de Fer, dans l'Isle du Palais a la/ Sphère Royale Avec privilège du Roy 1705.// Grave par P. Starck-man. 242 x 338mm.

68 DESCRIPTION DE LA VILLE D'ANVERS. Par N. de Fer. 1704 174 x 258mm.

69 LA FLANDRE/ ESPAGNOLE./ et LA FLANDRE/ HOLLANDOISE/ Avec les Nouvelles/ LIGNES./ Par N.

de Fer. Geographe de/ sa Majesté catholique et de/ Monseigneur le Dauphin./ avec Privilège du Roy. 1705.// Gravé par P. Starck-man. 254 x 352mm.

70 PARTIE SEPTENTRIONALE/ DU DUCHÉ DE BRABANT/ Ou se trouve/ le Quartier d'Anvers &c/ aux Espagnols./ le Marq.^t de Berg op- Zoom./ La Baronnie de Breda/ Mairie de Bois le Duc &c./ aux Hollandois./ Par N. de Fer./ Geographe de sa Majesté catholique/ et de Monseigneur le Dauphin.// Gravé par P. Starck-man. 240 x 335mm.

71 DESCRIPTION DE LA VILLE DIJON Par N de Fer. 1704. 170 x 238mm.

72 HAUTE ET BASSE/ ALSACE/ SUNTGOU, BRISGOU, / ET ORTENOU./ Par N. de Fer.// P. Starck-sculp. 357 x 240mm.

73 DESCRIPTION DU GOUVERNEMENT D'ALSACE Par N. de Fer. 178 x 220mm.

74 LES ENVIRONS DES DEUX BRISACHS. Par N. de Fer. Geog. de sa Majesté catholique et de Monseigneur le Dauphin.// C. Inselin sculp. 235 x 338mm.

75/76 LES ENVIRONS DES DEUX BRISACHS/ ET DE FRIBOURG/ Par N. Fer/ Geographe de sa Majesté Catholique/ et de Monseigneur le Dauphin.// A Paris chez l'Auteur dans l'Isle du Palais a la Sphère Royale avec privilège du Roy 1705.// A Coquart sculp. 2 sheets, total dimensions 240 x 664mm.

77 LES DUCHÉZ/ DE LORRAINE./ ET DE BAR./ ET/ LES EVÊCHÉZ/ DE METZ./ TOUL, ET VERDUN./ Par N. de Fer./ Geographe de sa Majesté Catholique/ et de Monseigneur le Dauphin.// A PARIS / Chez l'Auteur avec Privilège du Roy/ 1705.// Gravé par P Stark-man. 232 x 253mm.

78 DESCRIPTION DES ÉTATS de LORRAINE. Par N. de Fer. 1704. 185 x 253mm.

79 LE PAÏS MESSIN./ SES DEPENDENCES./ et/ Terre Adiacentes/ Sur les Memoirs de Jean Briouys. Par N. de Fer. Geographe de sa/ Majesté Catholique et de/ Monseigneur le Dauphin./ Avec Privilège du Roy/ 1705/ A Paris chez le S.^T de Fer dans l'Isle du/ Palais sur le Quay de l'Orloge à la Sphère Royale.// H. van Loon fec. 278 x 370mm.

80 LE COURS DE LA SARE/ aux Environs de la Quelle/ se Trouve/ Diverses Provinces qui composent/ LA PROVINCE DE LA SARE/ OU/ LORRAINE ALLEMANDE./ Par N. de Fer./ A PARIS/ Chez l'Auteur dans l'Isle du Palais a la/ Sphere Royale. Avec Privilege du Roy. 1705. Gravé par P. Starck-man. 335 x 238mm.

81 VOYAGE D'ENÉE/ Tire de Virgile./ Par N. de Fer./ Avec Privilege du Roy. 1705./ A PARIS/ Chez l'Auteur dans l'Isle du Palais/ sur le Quay de l'Orloge a la Sphere/ Royale. // P Starck-man. sc. 245 x 332mm.

82 PARC, JARDINS, CHATEAU, ET BOURG DE/ MEUDON/Pres et au dessous de PARIS. Presentement/ A MONSIEUR LE DAUPHIN./ Présenté a Monseigneur, par son tes/ humble Serviteur et Geographe/ de Fer. 1708. [inset.]/ DESCRIPTION DE/ MEUDON./ Veüe du Chateau de/ MEUDON./ du Côté de l'Entree. 448 x 485mm.

83 BOURG, CHATEAU, ET/ JARDINS DE/ FONTAINE-BLEAU/ Situez au Midy et a 14. Lieues de/ Paris, au milieu de la Forest de Biere/ ditte aujourd'hui de Fontaine-Bleau/ Mis au jour par N. de Fer Geographe de/ Monseigneur le Dauphin. // Gravé par C. Inselin. 405 x 312mm.

84 FOREST DE BIERE/ OU DE FONTAINE-BLEAU. Contenant/ 13212: Arbres en Bois tant bien/ que mal planté non compris les/ Rochers et Bruyeres./ Mis au Jour par de Fer Geographe de Monseigneur le Dauphin 1705. // C. Inselin Sculps. 427 x 420mm.

85 DESCRIPTION DE FONTAINE-BLEAU ET DE SA FOREST par N. de Fer. 160 x 222mm.

86 PLAN DE LA FOREST DE LAYE/ et de la Garonne du Vezinet/ DU BOURG DE S.^t GERMAIN dit en Laye DE LA VILLE DE POISSY/ et de tout ce qui est contenu dans cet Ance que forme la Riviere de Seine/ Par N. de Fer./ Geographe de sa Majesté Catholique et de Monseigneur le Dauphin. // A. Coquart scul. 462 x 421mm.

L'ATLAS CURIEUX OU/ LE MONDE/ Dressé et Dédié/ANOSSEIGNEURS/ LES ENFANS DE FRANCE/ Par leur tres humble et tres obéissant serviteur/ N. de Fer./ Geographe de MONSIEUR LE DAUPHIN. // A Paris/ chez le S.^t de Fer/ dans l'Isle du Palais/ sur le Quay de l'Orloge/ ala Sphere/ Royale./ avec Pri/ du Roy 1705. // N./Guerard/ inv. e.¹ fecit. 218 x 331mm.

1 LES/ ISLES BRITANNIQUES/ ou sont les Royaumes/ D'ANGLETERRE/ D'ECOSSE et/ D'IRLANDE./ Par N. de Fer. Geographe de/ MONSIEUR LE DAUPHIN. // A PARIS/ Chez l'Auteur dans l'Isle du Palais a la/ Sphere Royale avec/ Privilege du Roy/ 1705. // Vincent de Ginville fecit. [inset.] ISLES DE FER/ ISLES DE SHET-LAND. 221 x 332mm.

2 DESCRIPTION DES ISLES BRITANNIQUES par N. de Fer. 162 x 228mm.

3 L'ISLE DE WIGHT/ Dressée sur les Derniers

Memoires/ [rule] / A Paris chez N. de Fer dans l'Isle/ du Palais sur le Quay de l'Orloge a la/ Sphere Royale/ avec Priv. du Roy [date 1692 erased] // H. Van Loon sculp. // [insets:] LES ISLES SORLINGUES, OU SILLEY./ TOR BAYE. 350 x 312mm.

4 PLAN DES VILLES DE LONDRES ET DE WESTMINSTER et de leurs Faubourgs avec le Bourg de Southwark. Par de Fer Avec Priv. du Roy./ 1705./ C. Inselin Sculps. 225 x 35mm.

5 L'ALLEMAGNE/ DIVISÉE PAR CERCLES/ Par N. de Fer./ Geographe de Monseigneur/ le Dauphin. // A PARIS./ chez l'Auteur dans l'Isle du Palais sur le/ Quay de l'Orloge ala Sphere Royale./ Avec Privilege du Roy./ 1705/ H. van Loon Sculp. 222 x 331mm.

6 DESCRIPTION DE L'ALLEMAGNE, par N. de Fer. 165 x 210mm.

7 LES XIII. CANTONS/ DES SUISSES/ LEURS ALLIEZ ET LEURS/ SUJETS./ Par N. de Fer./ Geographe de sa Majesté Catholiques/ et de Monseigneur le Dauphin. // A Paris/ chez l'Auteur dans l'Isle du Palais a la Sphere/ Royale./ Avec Privil. du Roy. 1705. // C. Inselin Sculp. 230 x 329mm.

8 LES ARMES DES XIII. CANTONS DES SUISSES suivant leurs seances ET LES DATTES DELEURS LIGUES/ avec les noms de leurs villes capitales Par. N. de Fer. // LES NOMS ET LES ARMES DES ALLIEZ DES CANTONS. // A Paris chez le S.^t de Fer dans l'Isle du Palais ala Sphere Royale avec Privilege du Roy. 1705. 170 x 241mm.

9 PLAN DE LA BATAILLE DE FREDELINGUE/ Gagnée sur les Imperiaux par l'Armée/ du Roy Commandée par M.^r le Marquis/ de Villars le 14 Octobre 1702/ mis au jour par N. de Fer Geographe de sa/ Majesté catholique et de Monseigneur le Dauphin/ A Paris/ dans l'Isle Majesté du Palais a la/ Sphere Royal avec privil/ du Roy. 232 x 335mm.

10 LES QUATRE VILLES FROSTIÈRES, situées sur le Rhein, sont du cercle de Souabe et A l'Empereur. Par N. de Fer/ A Paris dans l'Isle du Palais a la Sphere Royale avec Privilege du Roy 1705. // [RHEINFELD] [Seckingen] // [CONSTANCE] A. Coquart. Sculp. // [LAUFFENBURG] // [WALDSHUST] 254 x 351mm.

11 LE COURS DU RHEIN Depuis MAYENCE jusques a COBLENS. Ou se Trouvent Partie Des Etats de TREVES. De MAYENCE et/ DU PALATINAT DU RHEIN. les Comtes de CAZENELLENBOGEN et de SPANHEIM &c. Par N. de Fer. Geog.^r de sa Maiesté Cato/ique et de Monseig.^r le Dauphin. 321 x 338mm.

12 LES ENVIRONS DE LANDAU/ Par N. de Fer. Geographe de sa Majesté/ Catholique et de Monseig. le Dauphin./ Avec priv. du Roy 1705. // C. Inselin Sculpsit. 233 x 333mm.

13 LE COURS DU RHEIN/ Depuis Cologne, Jusques a / Rheinberg, ou se trouvent/ Les Bas Electorat de Cologne./ Partie des Duches de Juliers, / de Berg, et de Guelldres et/ le comté de Meurs./ Par N. de Fer. / Geographe de sa Majesté/ catholique et de

Monseigneur/ le Dauphin. // A Paris/ chez l'Auteur dans l'Isle du Palais a la/ Sphere Royale. Avec Priv. du Roy 1702. 231 x 333mm.

14 LE COURS DU RHEIN/ de puis Coblens Jusques a Cologne/ ou se trouvent partie des Archevê= /chez et Electorats de Treves, et de/ Cologne, et partie des Duches de/ Juliers et de Berg./ Par N. de Fer./ Geographe de sa Majesté catholique et de/ Monseigneur le Dauphin./ A Paris/ chez l'Auteur, Avec Priv. du Roy. 1705. // C. Inselin Sculpsit. 232 x 333mm.

15 COLOGNE/ Ville Considerable Située sur le/bord occidentale du Rhein Capit./ de l'Electorat de meme nom./ Par N. de Fer. // a Paris/ dans l'Isle du Palais a la Sphere/Royale avec Privil. du Roy 1705. 230 x 340mm.

16 DESCRIPTION DE LA VILLE DE COLOGNE, par N. de Fer. 166 x 210mm.

17 LE COURS DU RHEIN depuis/ Rheinberg jusque a Arnhem/ ou se trouvent/ LE DUCHÉ DE CLEVES et partie/ de ce luy de la GUELDRÉS Espagnole/ et Hollandoise./ Par N. de Fer./ Geographe de sa Majesté Catholique et de/ Monseigneur le Dauphin. // A PARIS/ Chez l'Auteur avec Privilege du Roy/ 1705. 228 x 335mm.

18 LE COURS DE LA MOSELLE/ Depuis l'Embranchement a la Saare jusques a/ Cochem./ ou se trouve/ LES ENVIRONS DE TREVE ET DE TRAEBACH./ Par N. de Fer. Geographe de sa Majesté Catholique/ et de Monseigneur le Dauphin./ A PARIS/ Chez l'Auteur dans l'Isle du Palais ala Sphere/ Royale avec Privilege du Roy 1705. 234 x 325mm.

19 LA HAUTE GUELDRÉS/ ou se trouvent les environs de/ GUELDRÉS, VENLO, ET RUREMONDE/ Par N. de Fer./ Geographe de sa Majesté Catholique/ et de Mon^{seigneur} le Dauphin avec P. du R. 1705. // C. Inselin sculp. 241 x 330mm.

20 LA PARTIE SEPTENTRIONALE/ DE LA SEIGNEURIE DE/ L'EVECHÉ DE LIEGE/ ET LE LIMBOURG/ Hollandois/ ou se trouvent les/ Environs de Maestricht/ Par N. de Fer./ Geographe de sa Majesté/ Catholique/ et de Monseigneur le Dauphin/ avec Privilege du Roy 1705. // Gravé par P. Starck-man. 245 x 340mm.

21 LES ENVIRONS DE/ NAMUR/ DE HUY, ET DE/ CHARLE-ROY/ ou se trouve encore/ LA HASBAYE./ Par N. de Fer. A Paris dans l'Isle du Palais/ ala Sphere Royale avec Privilege du Roy. 230 x 590mm.

22 LES ENVIRONS DE/ DINANT/ DE PHILIPPEVILLE/ ET DE/ CHARLEMONT/ ou se trouve encore/ LE CONDROS/ Par N. de Fer. Geographe de Monseigneur Le DAUPHIN/ A PARIS/ Chez l'Auteur dans l'Isle du Palais./ sur le Quay de l'Orloge/ a la Sphere Royale/ Avec Priv. du Roy. 1705. // H. van Loon sculp. 222 x 590mm.

23 LE CERCLE/ DE/ SOUABE/ Par N. de Fer/ Geographe de sa Majesté/ Catholique et de Monseig./ le Dauphin./ 1705. // A Paris chez l'Auteur dans l'Isle du Palais ala Sphere Royale/ avec Privilege du Roy. 1705. // P Starck-man Sc. 251 x 345mm.

24 CERCLE/ DE BAVIERE/ Par N. de Fer. // A PARIS/ Chez l'Auteur, dans l'Isle du Palais ala Sphere Royale avec/ Privilege du Roy. 1705. // P. Starck-man Sculp. 247 x 340mm.

25 DESCRIPTION DE L'ELECTORAT, DUCHÉ, PALATINAT/ ET CERCLE DE BAVIERE/ ET DU CERCLE DE SOUABE. Par N. de Fer. 170 x 252mm.

26 La Grande salle DE RATISBONNE ou se trouve tout l'Empire assemblée a l'ouverture d'une DIÉTÉ/ Et lorsque les colleges des Electeurs. des Princes des Villes, veulent accorder leurs conclusions particulieres pour en faire de Générales sur les affaires qui s'y traitent./ Par N. de Fer. avec Privilege du Roy 1705. // A Paris chez l'Auteur dans l'Isle du Palais a la Sphere Royale. 240 x 330mm.

27 PLAN DE LA VILLE/ D'ULM/ Ville Imperiale d'Allemagne/ du cercle de Souabe/ située sur le Danube. // A PARIS/ chez le S.^t de Fer dans l'Isle du Palais/ sur le Quay de l'Orloge a la Sphere Royale/ Avec privilege du Roy/1705. 248 x 347mm.

28 LES ENVIRONS DE VIENNE/ En Autriche./ Par N. de Fer Geographe/ de sa Majesté Catholique et de/ Monseig. le Dauphin./ A PARIS/ Dans l'Isle du palais sur le Quay/ de l'Orloge a la Sphere Royale/ Avec privilege du Roy/ 1705. 166 x 500mm.

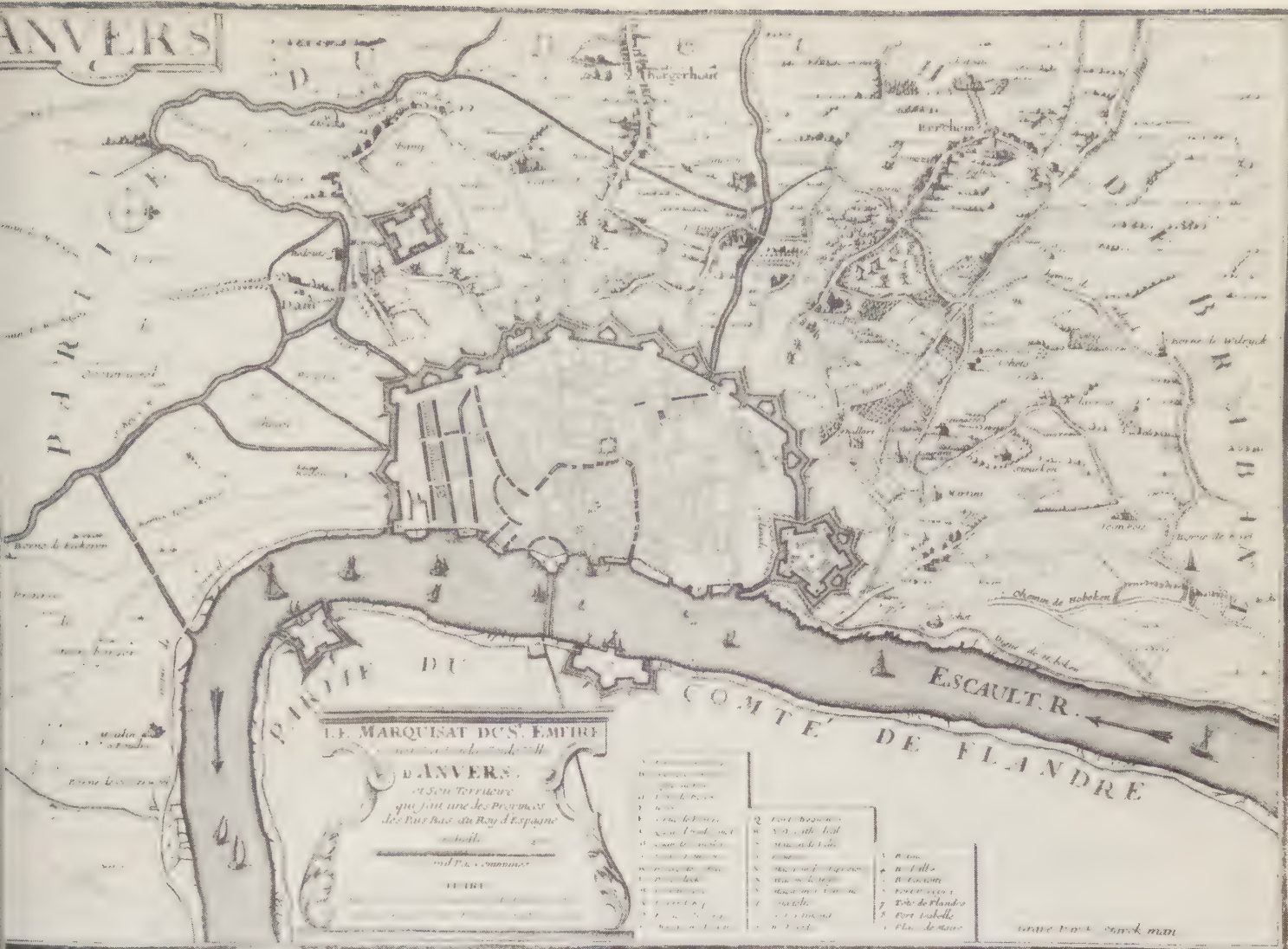
29 MUNICH/ Ville Capitale des/ Etats de son Altesse/ Electorale de Baviere. // A PARIS/ chez le S.^t de Fer./ dans l'Isle du Palais/ a la Sphere Royale/ 1705. // A. Coquart. sculp. 235 x 326mm.

30 DESCRIPTION DE ULM, ET DE MUNICH. Par N. de Fer. 1704. 165 x 240mm.

31 VIENNE capitale de l'Archiduché d'Autriche Residence/ Ordinaire des Empereurs d'Occident/ de la Maison d'Autriche, située sur/ le Danube a 32. degrez 15. minutes/ de longitude, et a 48. degrez 22. min tes/ de Latitude Septentrionale./ Par N. de Fer. Geographe

Mappe-Monde ou Carte Universelle by N. De Fer in L'Atlas Curieux.





Antwerp showing the Escaut River from De Fer's L'Atlas Curieux.

de/ sa Majesté Catolique et de/ Monseigneur le Dauphin./ A PARIS/ dans l'Isle du Palais ala Sphere/ Royale avec Privi./ du Roy. 1705. 243 x 335mm.

32 VEUE SEPTENTRIONALE DE VIENNE/ En Autriche./ VEUE MERIDIONALE DE VIENNE/ En Autriche./ A Paris chez le sieur de FER. Quay de l'Orloge du Palais ala Sphere Royale avec Privi. du Roy. 1705. L. G. Begule Sculpisit. 238 x 335mm.

33 SUEDE/ NORVEGUE et/ DANNEMARCK/ Par N. de Fer./ Avec Privilege du Roy/ 1705/ A Paris/ Chez l'Auteur/ dans l'Isle du/ Palais a la/ Sphere Royale./ C. Inselin Sculpisit. 212 x 147mm. DESCRIPTION des Royaumes de SUEDE, NORVEGUE/ ET DANNEMARCK. Par N. de Fer. 249 x 172mm.

34 CARTE DES ESTATS/ DE SUEDE, DE DANNEMARCK, ET DE POLOGNE/ sur la Mer Baltique/ Pour servir a l'Intelligence des affaires des Couronnes du Nord/ ou se trouvent encore/ LES ESTATS DE LA COURONNE DE POLOGNE L'EMPIRE D'ALLEMAGNE/ ET LES XVII PROVINCES DE PAYS BAS./ Avec des Routes de Paris dans tous ces Estats./ Par N. de Fer. Geographe de Monseigneur le Dauphin./ [rule] /. A Paris chez l'Auteur dans l'Isle du Palais sur le Quay de l'Orloge ala Sphere Royale/ Avec Privilege du Roy 1705./ H. Van Loon sculp. 428 x 350mm. [East half of (38)]

35 COPENHAGUE/ Ville Capitale du Royaume de/ Danne-marq et sejour ordinaire/ re du Roy. Située dans l'Isle de/ Seelande au Detroit du Sond a 55./ Degrez 40. minutes de latitude Sept. et a 30 degrez 55. minutes de longitude./ Suivant les dernieres observations/ Par N. de Fer./ A PARIS/ chez le S.^r de Fer dans/ l'Isle du Palais sur le/ Quay de l'Orloge a la Sphere/ Royale Avec privilege du Roy./ 1705/ C. Inselin sculpis. 224 x 330mm.

36 LE SUND/ ou/ DETROIT DU SOND/ Passage ordinaire des vaisseaux qui/ entrent ou qui sortent de la Mer Baltiq./ En y payent un droit si considerable/ qu'il fait un des meilleurs et des plus gros/ revenus du Roy de Danne-marq./ Par N. de Fer./ A Paris/ chez l'Auteur dans l'Isle/ du Palais sur le quay de/ l'Orloge de Sphere

Royale/ Avec Privi. du Roy/ 1705./ C. Inselin sculpisit [in reverse]. 330 x 220mm.

37 DESCRIPTION DE COPENHAGUE ET DU DETROIT DU SOND. par N. de Fer. 129 x 180mm.

38 ESTATS DES COURONNES/ DE DANNEMARK/ SUEDE, ET POLOGNE/ sur la Mer Baltique./ Dressés et Dediés/ A NOSSEIGNEUR LES ENFANS/ DE FRANCE./ Par leurs tres humble/ et tres obeissant/ serviteur de Fer./ Geogr. de MONSEIGN./ LE DAUPHIN./ [inset:] DESCRIPTION DE L'ISLE DE HUENE. 428 x 350mm. [West half of (34)].

39 DESCRIPTION DE LA POLOGNE par N. de Fer. 168 x 224mm.

40 DESCRIPTION DU DAUPHINÉ Par N. de Fer. 155 x 204mm.

41 GOUVERNEMENT GENERAL DU LIONNOIS/ GENERALITEZ DE LION ET DE RIOM ou se trouve/ LES PROVINCES d'Auvergne LIONNOIS FOREZ/ ET BEAUJOLAIS/ Par N. de Fer./ Geographe de sa Majesté Catolique/ et de Monseigneur le Dauphin. Avec/ Privilege du Roy. 232 x 356mm.

42 DESCRIPTION DU LIONNOIS, BEAUJOLAIS, FOREZ, ET AUVERGNE. Par N. de Fer. 168 x 248mm.

43 LION/ Ville tres considerable du/ Royaume de France située/ au conflans du Rosne et/ de la Saone a 23. degrez/ 4 minutes de Longitude et/ a 45. deg. 45. min. de latitude/ [rule] / A PARIS/ Chez le S.^r de Fer dans/ l'Isle du Palais a la Sphere/ Royale, avec privi. du Roy. 1705. 224 x 340mm.

44 DESCRIPTION DE LA VILLE DE LION. par N. de Fer. 130 x 191mm.

45 SOUVERAINETÉ/ DE NEUCHATEL/ ET DE/ VALLANGIN./ Dediee A/ Monseigneur le/ Prince de CONTI/ par son tres humble/ et tres obeissant/ serviteur de Fer./ A PARIS / Chez le S.^r de Fer./ dans l'Isle du/ Palais sur le/ Quay de l'Orloge/ a la Sphere Royale/ avec privilege du Roy./ 1705/ [rule] C. Inselin Sculpis. 230 x 339mm.

46 DESCRIPTION DE LA SOUVERAINETE DE NEUCHATEL ET DE VALLANGIN Par N. de Fer. 125 x 184mm.

47 LES DEUX/BOURGOGNES/ DUCHÉ ET COMTÉ/ GENERALITÉ DE DIJON./ La Bresse et la Principauté de/ Dombes./ Par N. de Fer./ A PARIS/ Chez l'Auteur dans/ l'Isle du Palais a la/ sphere Royale/ 1705. 255 x 352mm.

48 DESCRIPTION DES DEUX BOURGOGNE Par N. de Fer. 168 x 245mm.

49 PLAN GÉNÉRAL DU PARC=/ ET DU CHAU DE L'ESTANG./ Ou est celui de LA MARCHE, et de/ VILLENEUVE, appartenants à=/ Monseig.^r de Chamillant./ Mis au jour par N. de Fer./ A Coquart Sculpisit. 243 x 341mm.

50 LES GOUVERNEMENTS GENERAUX/ DE L'ISLE DE FRANCE et/ DE CHAMPAGNE/ ou se trouvent/ LES GENERALITEZ/ DE PARIS ET/ DE CHALONS./ Par N. de Fer./ Geographe de sa Majesté Catolique, et de Monseigneur/ le Dauphin/ [rule] A PARIS./ Chez l'Auteur dans l'Isle/ du Palais sur le Quay de/ l'Orloge ala Sphere Royale/ Avec Privilege du Roy. 1705./ P Starck-man sculp. 242 x 354mm.

51 DESCRIPTION DU GOUVERNEMENT GENERAL DE CHAMPAGNE ET BRIE. Par N. de Fer. 172 x 250mm.

52 GOUVERNEMENT GENERAL/ DE PICARDIE./ et Partie de celui de/ l'Isle de France/ ou se trouve/ LES GENERALITEZ/ D'AMIENS ET DE SOISSONS./ Par N. de Fer./ A Paris chez l'Auteur dans/ l'Isle du Palais ala Sphere/ Royale avec Privilege du Roy/ 1705./ P Starck-man. sculp. 244 x 354mm.

53 DESCRIPTION DU GOUVERNEMENT DE PICARDIE. Par N. de Fer. 165 x 244mm.

54 GOUVERNEMENT GENERAL/ DE NORMANDIE/ Subdivisé en ses trois Generalitez/ De Rouen de Caen et D'Alençon/ Par N. de Fer. Geographe de sa majesté Catolique et de Monseigneur/ le Dauphin / A PARIS / Chez l'Auteur dans l'Isle du/ Palais sur le quay de/ l'Orloge/ a la Sphere Royale avec/ privilege du Roy. 240 x 343mm.

55 DESCRIPTION DU GOUVERNEMENT GENERAL DE NORMANDIE. Par N. de Fer. 172 x 251mm.

56 PLAN DE LA VILLE/ ET DU CHATEAU/ DE CAËN/

64 Descriptions des Provinces situées aux environs de la Riviere de Loire/ Savoir/ POITOU, ANJOU, MAINE.

75 GOUVERNEMENT GENERAL/ DE LANGUEDOC/
et partie de celui/ DE GUIENNE et GASCOGNE./ ou

86 PLAN DE NARVA/ Assiégué par 80000 Moscovites
qui/ furent Attaqués et défaits dans leurs/ lignes par
CHARLES XII. Roy de Suede/ Commandant son Armée



en personne/ a l'age de dix huit ans./ le 30. Novembre 1705// A PARIS/ chez le S^r De Fer sans l'Isle du Palais ala Sphere Royale./ Avec Priv. du Roy./ 1701./ Grave par van Loon. 229 x 339mm.

87/88 ESTATS DU/ GRAND DUC/ DE MOSCOVIE/ Suivant les dernière/ relations par N. de Fer. 135 x 180mm./ **HONGRIE./ OU/ PARTIE SEPTENT./ DE LA TURQUIE/ EN EUROPE./** Par N. de Fer./ Inselin sculp. 139 x 198mm [2 small maps on one sheet]

89 DESCRIPTION DE LA MOSCOVIE ET DE LA HONGRIE. Par N. de Fer. 173 x 249mm.

90 ESPAGNE ET PORTUGAL/ Divisés en ses Principales parties/ ou Royaumes./ Par N. de Fer/ A PARIS, Chez l'Auteur dans l'Isle du Palais ala/ Sphere Royale/ Avec Privilege du Roy. 1705./ H van Loon sculp. 216 x 330mm.

91 DESCRIPTION DE L'ESPAGNE ET DU PORTUGAL par N. de Fer. 162 x 226mm.

92 IDÉE GENERALE DE LA MONARCHIE D'ESPAGNE, par N. de Fer. 172 x 251mm.

93 MADRID, Ville Considerable de la Nouvelle Castille, séjour ordinaire des/ Roys d'Espagne. Par N. de Fer. Geographe de Monseigneur le Dauphin./ A Paris/ Chez le S^r de Fer dans/ l'Isle du Palais a la/ Sphere Royale avec/ Privilege du Roy. 1705. 226 x 327mm.

94 DESCRIPTION DU MADRID. par N. de Fer. 132 x 192mm.

95 Buen-retiro/ Maison de Plaisance du Roy d'Espagne/ pres Madrid/ Hermitage de S Antoine/ dans le Buen-retiro/ Entree du Palais Royal a Madrid./ La Place Major, de Madrid./ [inset:] PHILIPPE V. ROY D'ESPAGNE. 225 x 334mm.

96 Ligne directe des Branches d'Espagne et d'Allemagne,.../ A PARIS/ Chez l'Auteur sur le Quay de l'Orloge/ a la Sphere Royale avec Privilege du Roy 1705. 223 x 335mm.

97 ROYAUME DE GALICE/ PROVINCE D'ESPAGNE/ Par N. de Fer. Geog. de sa Majeste/ Catalique et de Monseig. le Dauphin/ A Paris/ Chez l'Auteur dans l'Isle du Palais/ a la Sphere Avec priv. du Roy./ 1705./ [insets:] PORT ET RADE/ DE VIGO/ en Galice/ Par N. de Fer. 1705./ LA VILLE ET LE PORT DE LA/ COROGNE. C. Inselin Sculp. 233 x 323mm.

98 LES ASTURIÉS ET LA BISCAYE./ LES ROYAUME DE NAVARRE/ D'ARRAGON ET DE LEON, ET CELUY/ DE LA VIEILLE CASTILLE. Par N. de Fer. 255 x 375mm.

99 L'ANDALOUSIE./ LES ROYAUMES DE GRENADE./ ET DE MURCIE, et/ Grande Partie de ceux/ DE LEON, DE CASTILLE./ ET DE VALENCE/ Par N. de Fer. Geographe de/ sa Majeste Catalique/ A PARIS/ Chez l'Auteur dans l'Isle du Palais ala Sphere Royale avec Privilege du Roy. 1705./ P Starck-man sc. 252 x 353mm.

100 PRINCIPAUTE/ DE/ CATALOGUE/ A Paris chez le S^r de Fer, dans/ l'Isle du Palais a la Sphere Royale./ DESCRIPTION DE LA CATALOGUE/ Par N. de Fer. 244 x 349mm.

101 CADIS/ Son Port, sa Rade./ et ses/ environs./ Par N. de Fer. Geographe/ de sa Majeste catalique et/ de Monseigneur le Dauphin/ A PARIS/ dans l'Isle du Palais sur le quay/ de l'Orloge a la Sphere Royale/ avec priv. du Roy./ 1705. 241 x 341mm.

102 DESCRIPTION DE CADIS par N. de Fer. 161 x 222mm.

103 LE FAMEUX DETROIT DE GIBRALTAR. Par N. de Fer./ [inset:] COSTE D'ANDALOUSIE/ ET D'ALGARVE/ depuis CADIS jusque au/ CAP S^t VINCENT./ A Paris chez le S^r de Fer dans l'Isle du Palais a la Sphere Royale avec priv du Roy. C. Inselin sculp. 233 x 313mm.

104 DESCRIPTION DU DETROIT DE GIBRALTAR. Par N. de Fer. 160 x 220mm.

105 L'ESCURIAL 222 x 335mm.

106 PREMIER PLAN GENERAL DU MONASTERE ROYAL DE S^t LAURENS/ AU BOURG DE L'ESCURIAL PRES MADRID/ SEPULTURE DES ROYS D'ESPAGNE. 222 x 335mm.

107 DESCRIPTION DE L'ESCURIAL. Par N. de Fer. 160 x 225mm.

108 Maison et chambre/ Angelique/ de la Vierge Marie de/ MONT-SERRAT/ Située en Catalogue a Sept/ ieûes au Nord de/ Barcelone./ A PARIS/ chez le S^r de Fer dans l'Isle du Palais sur/ le quay de l'Orloge a la Sphere Roiale/ avec privilege du Roy/ 1705. 223 x 334mm.

109 DESCRIPTION DU MONT-SERRAT. par N. de Fer. 160 x 225mm.

110 Geographe de sa Majesté Catalique/ et de Monseigneur le Dauphin/ a Paris/ chez l'Auteur dans l'Isle du Palais ala Sphere/ Royale avec Privilege du Roy. 1705/ P Starck-man scu. 337 x 250mm.

111 PALAIS ROYAL/ DE LISBONNE./ LE CHATEAU



Mappe-Monde ou Carte General De La Terre from L'Atlas Curieux.

DE BELEM/ pres Lisbonne dans la Riviere du Tage// LISBONNE./ A Coquart sculp. 241 x 333mm.

112 DESCRIPTION DE LA VILLE DE LISBONNE. par N. de Fer. 165 x 229mm.

113 [ELVAS]/ [EVORA.] // A Paris chez le S^r de Fer sans l'Isle du Palais a la Sphere Royale avec privilege du Roy. A. Coquart sculp. 250 x 348mm.

114 [ESTREMOS] // [VILLA VICIOSA] // [S^t JULIEN OU S^t GIAO] // [ARONCHES] // A Coquart. sculp. A Paris chez le S^r de Fer sans l'Isle du Palais sur le Quay de l'Orloge ala Sphere Royale avec privilege du Roy. 250 x 349mm.

115 [OLIVENCA] // [SETUVAL.] // A Paris chez le S^r de Fer dans l'Isle du Palais sur le Quay de l'Orloge ala Sphere Royale avec privil du Roy. A Coquart. sculp. 243 x 343mm.

116 L'ITALIE/ Par N. de Fer Geographe de/MONSEIGNEUR LE DAUPHIN// A Paris/ Chez l'Auteur dans l'Isle du Palais sur le Quay de l'Orloge a la Sphere/ Royale. Avec priv. du Roy. 1705./ C. Inselin sculp. 220 x 336mm.

117 DESCRIPTION D'ITALIE, par N. de Fer. 165 x 226mm.

118 LES ETATS DE SAVOYE/ Subdivises/ en CHABLAIS, GENEVOIS,/ FAUSIGNY, TARANTAISE/ MORIENNE./ et la VRAYE SAVOYE/ Par N. de Fer Geographe de sa Majeste/ Catholique et de Monseig le Dauphin/ avec Privilege du Roy. 1704./ T. Rousseau sculp. 254 x 345mm.

119 ETAT/ DE LA REPUBLIQUE/ DE GENES./ Par N. de Fer/ Geographe de sa Majeste Catalique et de/ Monseigneur le Dauphin/ Avec Privilege du Roy. 1705./ Grave par P. Stark-man. 158 x 370mm.

120 DESCRIPTION DE LA REPUBLIQUE DE GENES. Par N. de Fer.

121 LES ESTATS/ DU DUCHE DE MILAN/ Par N. de Fer. Geographe de Monseigneur/ LE DAUPHIN/ A Paris/ Chez l'Auteur dans l'Isle du Palais/ a la Sphere Royale/ avec privilege du Roy./ 1705 Van Loon sculp. 212 x 322mm.

122 DESCRIPTION DES ETATS DE MILAN. Par N. de Fer. 158 x 220mm.

123 LES/ ENVIRONS/ DE MILAN./ Par N. de Fer./ Geographe de Monseigneur le Dauphin/ A PARIS/ chez l'Auteur dans l'Isle du Palais sur le/ quay de l'Orloge a la Sphere Royale/ Avec Privilege du Roy 1705. 228 x 340mm.

124 MILAN/ Ville des plus grandes, des plus/ riches, et des plus fortes d'Italie./ Capitale du Duché de meme nom./ Séjour ordinaire du Gouverneur/ des Etats de Milan pour le/ Roy l'Espagne/ Par N. de Fer./ A Paris/ Chez le S^r de Fer. dans/ l'Isle du Palais, sur le Quay/ de l'Orloge a la Sphere Royale/ Avec privilege du Roy./ 1705./ C. Inselin sculp. 212 x 335mm.

125 DESCRIPTION DE MILAN par N. de Fer. 122 x 183mm.

126 Frontieres DU MILANEZ, DU CREMONESE et DU

LODESAN, au Roy d'Espagne. LE BERGAMAS, LE BRESSAN et LE CREMAS, a la/ Republique de Venise sont remarquer les Endroits ou les Armées des Alliez de des Imperiaux ont Campeez en 1701. Par N de Fer. Geographe de Monseigneur le Dauphin./ C Inselin Sculp. 228 x 335mm.

127 PLAN DE LA VILLE DE CREMONE./ Comme elle etoit la nuit du dernier de Janvier ou Premier de Fevrier 1702..../ Par N. de Fer. Geographe Monseigneur/ le Dauphin./ A PARIS./ Chez le S^r de Fer, dans l'Isle du Palais, sur le Quay le l'Orloge du/ Palais a la Sphere Royale/ Avec Privilege du Roy 1705./ Van Loon fecit. 232 x 332mm.

128 DESCRIPTION DE LA VILLE DE CREMONE/ Et de la grande Action qui si est passée en 1702. Par N. de Fer. 180 x 250mm.

129 LES DUCHES DE MANTOUE/ et de LA MIRANDOLE./ Avec la plus grand partie/ des Territoire de/ VERONE BRESCIA, et/ de CREMONE./ Par N. de Fer./ Geographe de Monseigneur/ le Dauphin./ A Paris/ Chez l'Auteur dans/ l'Isle du Palais a la/ Sphere Royale/ Avec Privilege/ du Roy/ 1705./ Cette carte est tirée/ de Joannes Joansonius./ et Gravée par van Loon. 236 x 346mm.

130 DESCRIPTION DU DUCHÉ MANTOUE, par N. de Fer. 148 x 205mm.

131 LE SERAGLIO et les environs de MANTOUE Par N. de Fer./ LE SERAGLIO..../ Par N. de Fer./ Geographe ed sa Majesté Catholique et de/Monseigneur le Dauphin. Avec privilege/ du Roy 1705./ Gravé par C. Inselin. 230 x 325mm.

132 MANTOUE./ Ville Considrable d'Itaie Capitale d'un Du=/ ché de même nom, séjour ordinaire de/ son Prince et Siege d'un Evêque./..../ Par N. de Fer./ Geographe de Monseig. le Dauphin/ A Paris chez l'Auteur dans l'Isle du Palais/ a la Sphere Royale Avec Privilege du Roy 1705/ H. Van Loon. sc. 228 x 335mm.

133 DESCRIPTION DE LA VILLE DE MANTOUE, par N. de Fer. 151 x 209mm.

134 LES DUCHES/ DE/ PARME/ ET PLAISANCE/ DE MODENE ET/ DE REGE. Par N. de Fer./ A Paris./ Chez l'Auteur dans l'Isle du Palais/ a la Sphere Royale avec Priv. du Roy./ 1705./ C. Inselin/ Sculp. 235 x 345mm.

135 LES EMBOUCHURES DES RIVIERES/ DU PO ET DE L'ADIGE/ ou se trouvent/ LE FERRARESE, LE BOULOGNESSE,/ et partie de la Romagne. Par N. de Fer. / Geographe de Monseigneur/ le Dauphin. A Paris chez l'Auteur dans l'Isle/ du Palais a la Sphere Royale./ Avec Privilege du Roy/ 1705// [inset:] LA REPUBLIQUE DE LUQUES./ et la/PRINCIPAUTE DE MASSE. H. van Loon sculp. 228 x 335mm.

136 LES EVESCHÉS DE/ TRENTE, et de BRIEN./ LE COMTE DE TIROL./ et les Etats de la/ Republique de Venise./ dans le Fond du Golfe./ Par N. de Fer. Geographe de sa/ Majeste Catholique et Monseigr./ le Dauphin./ A PARIS./ Chez l'Auteur dans l'Isle du Palais sur/ le Quay de l'Orloge a la Sphere Royale./ Avec

Privilege du Roy. 1705. 246 x 346mm.

137 LES ESTATS DE/ L'EGLISE, ET/ DE TOSCANE/ Par N. de Fer. avec priv. du Roy 1705. // A Paris dans l'Isle du/ Palais sur le quay de l'Orloge/ a la Sphere Royale.// C. Inselin sculps. 231 x 332mm.

138 DESCRIPTION DES ETATS DE L'EGLISE ET DE TOSCANE, par N. de Fer. 155 x 215mm.

139 LES ENVIRONS/ DE ROME/ Par N. de Fer/ Geographe de/ MONSEIGNEUR LE DAUPHIN/ A Paris/ Chez l'Auteur dans l'Isle du Palais sur le Quay de l'Orloge / a la Sphere Royale/ Avec Privilege du Roy./ 1705. 230 x 343mm.

140 DESCRIPTION DES ENVIRONS DE ROME, par N. de Fer, 161 x 222mm.

141 PLAN DE LA VILLE/ DE ROME/ Par de Fer./ A PARIS./ Chez l'Auteur dans l'Isle du Palais sur le Quay/ de l'Orloge a la Sphere/ Royale avec Privilege/ du Roy 1705. 230 x 290mm.

142 DESCRIPTION DES ENVIRONS DE ROME par N. de Fer. 130 x 185mm.

143 L'EGLISE/ DE S.^T PIERRE/ A ROME// A Paris/ Chez le S.^f de Fer dans l'Isle du/ Palais sur le quay de l'Orloge/ a la Sphere Royale/ [rule] Avec Privilege du Roy. 1705. 221 x 32mm.

144 DESCRIPTIONS DE L'EGLISE, DE LA PLACE ET DE LA COLONNADE DE S.^T PIERRE DE ROME./ par N. de Fer. 125 x 180mm.

145 VENISE/ Ville Capitale/ de la plus celebre et/ Illustre Republique/ de l'Europe.// Avertissement./ Le S.^f de Fer a fait un grand Plan de/ Venise dans le quel on a marque tous/ les canaux et les Ponts qui les traverses/ avec leurs Noms, les Eglises et leurs/ titres, il se vend comme celuy cy./ A Paris chez l'Auteur dans l'Isle du Palais a/ la Sphere Royale avec Pr. du Roy 1705. 215 x 332mm.

146 DESCRIPTION DE VENISE. 133 x 185mm.

147 LES ENVIRONS/ DE LA VILLE/ DE NAPLES./ Dans la Province de Labour./ avec la Routte de cette ville a Rome/ par N. de Fer. Geographe de Monseigneur/ A PARIS/ chez l'Auteur dans l'Isle du Palais sur/ le quay de l'Orloge a la Sphere/ Royale. Avec Privilege du Roy.// Vincent de Ginville Scripsit. 228 x 338mm.

148 LE ROYAUME/ DE NAPLES/ Par N. de Fer. Geographe de/ MONSEIGNEUR LE DAUPHIN/ A Paris. chez l'Auteur sur le Quay de/ l'Orloge a la Sphere Royale./ Avec Privilege du Roy 1705.// L'ISLE DE/ SARDAGNE// van Loon sculpsit. 225 x 335mm.

149 DESCRIPTION DU ROYAUME DE NAPLES, Par N. de Fer. 158 x 227mm.

150 NAPLES.// A PARIS/ Chez le S.^f de Fer./ dans l'Isle du Palais a la Sphere/ Royale avec privilege du Roy/ 1705. 221 x 335mm.

151 DESCRIPTION DE LA VILLE DE NAPLES, par N. de Fer. 163 x 230mm.

152 LES MERVEILLES/ DE POZZOLI OU POUZZOL/ CUME ET BAI A OU BAYES./ Dans le Voisinage/ de Naples./ Par N. de Fer./ A Paris/ Chez l'Auteur dans l'Isle du Palais sur le Quay de/ l'Orloge a la Sphere Royale avec Priv. du Roy./ 1705. 220 x 328mm.

153 DESCRIPTION DES MERVEILLES DE POZZULL, dans le Voisinage de Naples, par N. de Fer. 165 x 226mm.

164 [LE MONT VESUVE] // [inset:] COUPE DU MONT VESUVE.// Par N. der Fer./ Avec Privil. du Roi. 228 x 34mm.

155 DESCRIPTION DU MONT-VESUVE, OU Montagne de Somma, par N. de Fer. 157 x 222mm.

156 LE MONT CASSIN/ Dessine sur les lieux par M.^f de la Salle// A Paris chez le S.^f de Fer dans l'Isle du Palais ala Sphere Royale avec Privil. du Roy. 1705. 230 x 325mm.

157 ISLE DE ROYAUME/ DE SICILE./ Par N. de Fer. Geographe de/ MONSEIGNEUR LE DAUPHIN.// A PARIS./ Chez l'Auteur dans l'Isle du Palais a la Sphere Royale./ Avec Privilege du Roy 1705.// H Van Loon sculp. 225 x 334mm.

158 DESCRIPTION DE L'ISLE ET ROYAUME DE SICILE par N. de Fer. 159 x 213mm.

159 MESSINE/ Residence Ordinaire du viceroy de Sicile. 225 x 331mm.

160 DESCRIPTION DE MESSINE par N. de Fer. 160 x 223mm.

161 CATANE et/ LE MONT GIBEL./ en Sicile.// PALERME./ Capitale de Sicile.// A PARIS/ Chez le St de Fer dans l'Isle du Palais sur le quay de l'Orloge du Palais a la Sphere Royale avec privilege/ du Roy 1075. [sic] 230 x 336mm.

162 DESCRIPTION DES VILLES DE PALERME, ET DE CATANE, ET DU MONT-GIVEL, par N. de Fer. 179 x 257mm.

163 GRECE MODERNE./ OU/ Partie Meridionale/ de la/ TURQUIE EN EUROPE./ Divisee en Beglerbeglies, on/ Grands Gouvernements./ Par N. de Fer.// A 58

PARIS./ Chez l'Auteur dans l'Isle du Palais a la/ Sphere Royale./ Avec Privilege du Roy 1705.// Van Loon sculpsit. 225 x 335mm.

164 DESCRIPTION DE LA GRECE MODERNE. Par N. de Fer. 162 x 123mm.

165 VUE DE LA VILLE ET DU PORT DE CONSTANTINOPLE. 229 x 333mm.

166 DESCRIPTION DE CONSTANTINOPLE. Par N. de Fer. 160 x 222mm.

167 VUE DES DARDANELLES DE CONSTANTINOPLE. 228 x 334mm.

168 DESCRIPTION DU DETROIT DES DARANELLES DE CONSTANTINOPLE, par N. de Fer. 163 x 325mm.

169 LA PERSE, LA GEORGIE/ ET LA TURQUIE D'ASIE./ Avec le partie Septentrionale/ DE L'ARABIE./ Par N. de Fer./ Geographe de Sa Majeste Catoliques/ et de Monseigneur le Dauphin/ avec privil. du Roy 1705. 230 x 335mm.

170 DESCRIPTION DE LA TURQUIE EN ASIE, DE LA PERSE, ET DE L'ARABIE, par N. de Fer. 170 x 231mm.

171 LE MEIDAN OU LA PLACE D'ISPAHAM en Perse.// A Coquart sculp. 232 x 326mm.

172 DESCRIPTION DU MEIDAN OU DE LA PLACE D'ISPAHAM. par N. de Fer. 165 x 230mm.

173 LES VRAYS INDES/ dits/ GRANDS INDES/ OU/ INDES ORIENTALES/ Par N. de Fer. Geographe de sa Majeste Catoliques/ et de Monseigneur le Dauphin.// A Paris/ chez l'Auteur dans l'Isle du/ Palais a la Sphere Royale/ avec privil. du Roy 1705.// C. Inselin sculp. 221 x 312mm.

174 LA PARTIE ORIENTALE/ DE L'ASIE/ ou se trouvent/ LE GRAND EMPIRE/ DES TARTARES CHINOIS/ et celuy/ DE JAPON. Par N. de Fer.// A Paris/ chez l'Auteur dans l'Isle du Palais a la/ Sphere Royale avec priv. du Roy. 1705.// C. Inselin sculpsit. 231 x 328mm.

175 DESCRIPTION DES INDES, par N. de Fer. 168 x 230mm.

176 DESCRIPTION DE L'EMPIRE DES TARTARES CHINOIS, par N. de Fer. 168 x 336mm.

177 LES ISLES PHILIPPINES/ et celles DES LARRONS ou de MARIANES/ LES ISLES MOLOQUES et de/ LA SONDE, avec/ LA PRESQUISLE DE L'INDE/ DE LA LE GANGE OU/ ORIENTALE/ Par N. de Fer. Geog.^f de Mons.^f LE DAUPHIN.// A Paris/ chez l'Auteur dans l'Isle du Palais/ Sur le Quay de l'Orloge avec Pr. du Roy/ 1705.// C. Inselin sculpsit. 220 x 335mm.

178 DESCRIPTION DES ISLES PHILIPPINES MOLOQUES ET DE LA SONDE Par N. de Fer. 162 x 324mm.

179 PLAN DE PONDICHERY/ a la cote de Coromandel/ occupe par la compagnie Royale/ des Indes Orientales. Mis au jour/ Par N. de Fer.// A PARIS/ Chez le S.^f de Fer dans l'Isle du/ Palais ala Sphere Royale avec/ privilege du Roy 1705.// A Coquart. sculp. 240 x 350mm.

180 LA TERRE SAINTE/ Tirée des Memoires de/ M. de la Rue./, Par N. de Fer./ Geographe desa Majesté Catolig./ et de Monseigneur le Dauphin./ Avec privil. du Roy 1705.// [inset:] Tabula/ Mansionum/ ad caput 33. numer/ LE-PASSAGE-DU-PEUPLE/ SAINT par/ les Deserts de l'Arabie. 231 x 305mm.

181 DESCRIPTION DE LA TERRE SAINTE. Par N. de Fer. 172 x 330mm.

182 PARTIE ORIENTALE D'AFRIQUE/ ou se trouvent/ L'EGIPTE, LA NUBIE, L'ABISSINE, ET L'AJAN/ et partie/ DE LA NIGRITIE DU GRAND DESERT ET DU BILDULGERID &c/ ou se trouvent encore/ L'ARABIE qui fait partie de l'Asie-/ ET LA MER ROUGE/ Par N. de Fer. Geographe de/ Sa Majesté Catolique et de/ Monseigneur le Dauphin.// A Paris./ chez l'Auteur avec privilege du Roy, 1705.// C. Inselin Sculpsit. 222 x 223mm.

183 DESCRIPTION DE LA PARTIE ORIENTALE D'AFRIQUE par N. de Fer. 176 x 242mm.

184 PARTE OCCIDENTALE/ D'AFRIQUE/ OU se trouve/ les Isles Canaries./ et du cap verd/ dans la mer Atlantique/ les Etats du Roy de Maroc./ les Royaumes d'Alger/ et de Tunis./ le Bildulgerid et le/ Saara, en BARBARIE/ LA NIGRITIE, ET LA/ GUINEE./ Par N. de Fer. 224 x 335mm.

185 DESCRIPTION DE LA PARTIE OCCIDENTALE D'AFRIQUE. Par N. de Fer. 158 x 218mm.

186 PARTIE MERIDIONALE/ D'AFRIQUE/ ou se trouvent/ LA BASSE GUINEE, LA CAFRIERIE, LE/ MONOMOTAPA, LE MONDEMUGI/ LE ZANGUEBAR ET L'ISLE DE/ MADAGASCAR./ Par N. de Fer./ Geographe de sa Majesté Catolique/ et de Monseig. le Dauphin.// C. Inselin sculps. 212 x 322mm.

187 DESCRIPTION DE LA PARTIE MERIDIONALE D'AFRIQUE. Par N. de Fer. 174 x 241mm.

188 CAP DE BONNE ESPERANCE/ Par N. de Fer./ A

PARIS/ chez l'Auteur dans l'Isle du Palais/ sur le quay de l'Orloge a la Sphere/ Royale avec Privilege du Roy 1705.// [BAYE DE/LA TABLE] // [LE FORT/ DU CAP DE/ BONNE ESPERANCE/ aux Hollandois] 245 x 350mm.

189 DESCRIPTION DU FAMEUX CAP DE BONNE ESPERANCE. Par N. de Fer. 172 x 250mm.

190 LE CANADA, OU NOUVELLE FRANCE/ La Florida, La Virginie, Pensilvanie, Carolinie./ Nouvelle Angleterre et Nouvelle Yorck./ l'Isle de Terre Neuve, la Louisiane/ et le Cours de la Riviere de/ Misissipi./ Par N. de Fer. Geographe de Monseig. le Dauphin/ A PARIS./ Chez l'Auteur dans l'Isle du Palais sur le Quay de l'Orloge ala Sphere Royale/ Avec Privilege du Roy 1705.// van Loon sc. 232 x 339mm.

191 DESCRIPTION DE LA NOUVELLE FRANCE, et Pays aux environs, Par N. de Fer. 161 x 233mm.

191DESCRIPTION DE LA NOUVELLE FRANCE, et Des Pays aux environs, Par N. de Fer. 161 x 233mm.

192 LES COSTES AUX ENVIRONS/ DE LA RIVIERE DE/ MISIPI./ Decouvertes par M.^f de la Salle/ en 1683./ et reconnues par M.^f le Chevallier/ d'Iberville en 1698 et 1699./ par N. de Fer. Geographe de/ Monseigneur le Dauphin/ 1705.// Vincent de Ginville Sculpsit. 215 x 332mm.

193 DESCRIPTION DE LA DECOUVERTE DU MISIPI, Par N. de Fer. 161 x 222mm.

194 Cette Carte/ DE CALIFORNIE et/ DU NOUVEAU MEXIQUE./ est tirée de cette quie a été envoyée/ par un grand d'Espagne pour/ être communiquée a M.^{rs} de/ l'Academie Royale des Sciences/ Par N. de Fer Geographe de/ Monseigneur le Dauphin/ avec privilege du Roy./ 1705.// A Paris/ dans l'Isle du Palais sur le quay de l'Orloge/ a la Sphere Royale.// C. Inselin sculp. 225 x 338mm.

195 Les differentes Navigations et décentes que les Espagnois ont faites a LA CALIFORNIE- qu'ils ont depuis appelle/ LES ISLES CALIFORNIENES ou NOUVELLE CAROLIES. Par N. de Fer. 166 x 222mm.

196 LE VIEUX MEXIQUE/ OU/ NOUVELLE ESPAGNE/ avec les costes/ DE LA FLORIDE/ Faisant partie de l'Amerique Septentrionale/ Par N. de Fer. Geogr. de Monseig/ le Dauphin/ APARIS chez l'Auteur dans l'Isle du Palais/ sur le quay de l'Orloge a la Sphere Royale/ Avec Privil. du Roy/ 1705. 226 x 245mm.

197 DESCRIPTION DU MEXIQUE OU NOUVELLE ESPAGNE et de LA FLORIDE par N. de Fer. 164 x 225mm.

198 LES ISLES DE/ L'AMERIQUE/ Conue^s Sous le Nom/ D'ANTILLES./ ou sont/ les Isles de Cuba, S.^t Domingue/ et Jamaïque/ les Lucayes, les Caribes./ et celles du Vent./ Par N. de Fer.// A PARIS./ chez l'Auteur dans l'Isle du Palais a la/ Sphere Royale./ Avec Privilege du Roy. 1705/ H Van. Loon Sculp. 222 x 360mm.

199 DESCRIPTION DES ISLES ANTILLES par N. de Fer. 162 x 230mm.

200 L'ISLE DE LA MARTINIQUE/ A PARIS/ Dans l'Isle du Palais chez le S.^t de Fer. a la/ Sphere Royale. avec privilege du Roy./ 1704.// P Starck-man sc. 262 x 360mm.

201 DESCRIPTION DE L'ISLE DE LA MARTINIQUE Par N. de Fer. 151 x 215mm.

202 PLAN DES VILLES:/ FORTS, PORT, RADE et Environ/ DE CARTAGENE/ Située dans l'Amerique Meri/ dionale dans la Province de Terre Ferme appartenant/ aux Espagnols./ Par N. de Fer/ Avec Privilege du Roy/ 1705.// C. Inselin sculpsit. 220 x 320mm.

203 DESCRIPTION DE CARTAGENE. Par N. de Fer. 129 x 192mm.

204 LA TERRE FERME ET LE PEROU/ avec/ LE PAYS DES AMAZONES/ ET LE BRESIL/ Dans l'Amerique Meridionale/ Par N. de Fer. Geographe de Monseigneur le Dauphin/ Avec Privilege du Roy 1705.// Grave par Charles Inselin. 228 x 335mm.

205 DESCRIPTION DE LA TERRE-FERME, DU PEROU, DU PAYS DES AMAZONES, ET DU BRESIL, par N. de Fer. 163 x 225mm.

206 LE CHILI/ et/ Les Provinces qui Composent/ Celle de/ RIO DE LA PLATA/ avec/ LES TERRES MAGELLANIQUE/ Par N. de Fer. Geogr. de MONSEIG^R LE DAUPHIN.// A PARIS/ Chez l'Auteur dans l'sle du/ Palais ala Sphere Royale/ Avec priv. du Roy/ 1705.// C. Inselin Sculpsit. 218 x 335mm.

207 DESCRIPTION DU CHILI DE LA PLATA ET DES TERRES MAGELLANIQUES, par N. de Fer. 163 x 223mm.

208 DETROIT DE MAGELLAN// Par le St de Fer./ A Paris/ chez l'Auteur dans l'Isle du Palais/ sur le Quay de l'Orloge a la Sphere/ Royale, avec privil du Roy./ 1705.// Charles Inselin sculpsit. 224 x 336mm.

209 DESCRIPTION DU DETROIT DE MAGELLAN. par N. de Fer. 164 x 223mm.



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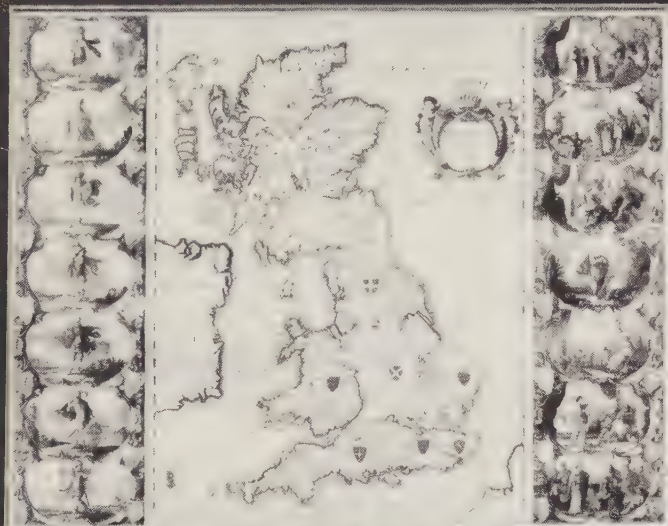
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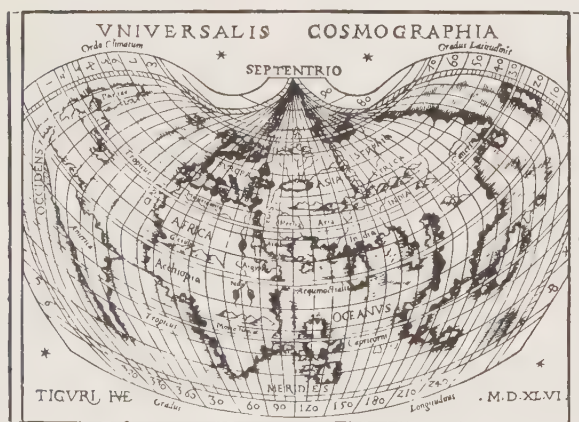
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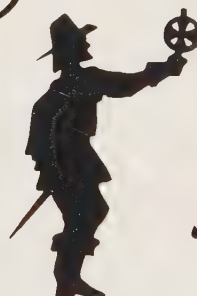
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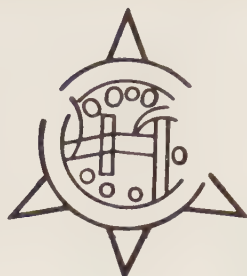
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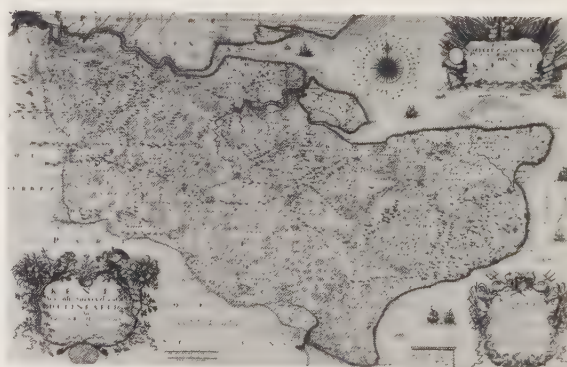
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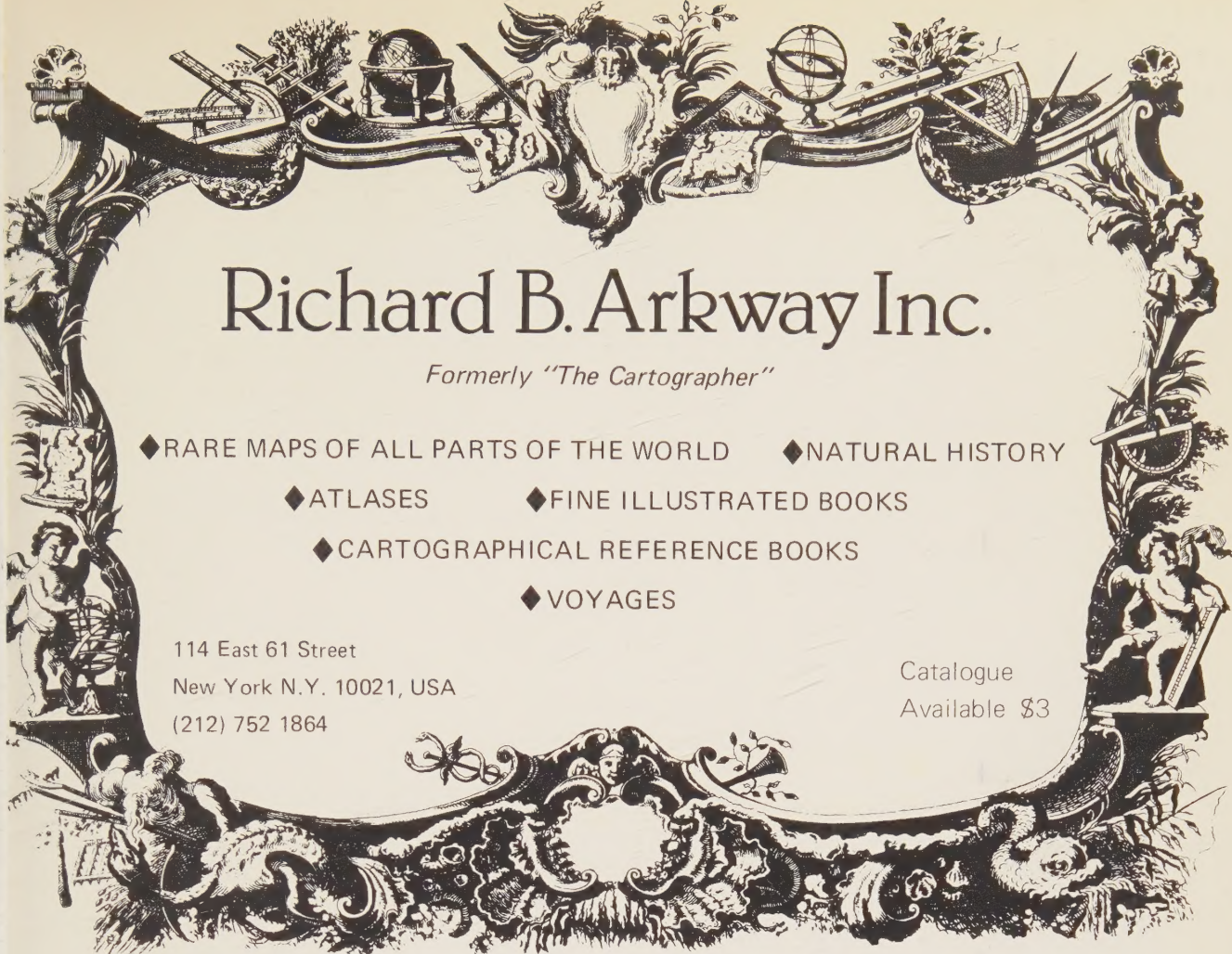
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