

Information Visualization

Lilly Library Visit, Isabel Planton, liblilly@indiana.edu

February 5, 2018 4:15-5:15 pm

1. Euclid

a) 1st edition

Euclid. *Elementa geometriae*. Venice: Erhardus Ratdolt, 25 May 1482. QA31 .E8 1482 Vault

- The first printed edition of Euclid was the first substantial book to contain geometrical figures, of which it included over 400.

b) 1st English edition with movable parts

Euclid. *The Elements of geometrie of the most auncient philosopher Evclide of Megara*. London: I. Daye [1570]. QA31.E82 B5 Vault

- A unique feature of this edition is the inclusion of pasted flaps of paper that can be folded up to produce three dimensional models of the propositions in Book XI, making it one of the oldest "pop-up" books known.

2. Hernán Cortés. *Praeclara Ferdinādi Cortesii de noua maris oceani Hyspania narratio sacratissimo ...* [Norimberga per Fridericum Peypus, 1524]. F1230 .C8 1524 Vault

- The first Latin edition of the Pietro Savorganno translation of the second Cortés Letter. With the large woodcut folding map of the Gulf of Mexico and Tenochtitlan. This is the first map of any American city, and the first to contain the designation "La Florida."

- 3) Latin American mss. Mexico II. 1596, Feb. 23-Apr. 23 (flat) La Ciudad de Tepeaca...**
- Used in a 1596 land claim by the community of Tepeaca, in Puebla in central Mexico. Native people were suing a Spaniard over the land.
- 4. Latin American mss. Bolivia. 1809, Dec. 6. (OV). Alcón y la Calle, Juan José. Plan topografico de la batalla de Yrupana...**
- Spanish map of a battle at Irupana
 - Contains an interesting mix of 'modern' map making and earlier traditions
- 5. Ptolemy, 2nd cent. [*Geographia*. Latin] *Cosmographia*. Ulm: Lienhart Holle, 16 July 1482. G1005 1482 vault flat**
- Ptolemy's work (2nd century, Alexandria) influenced European cartographers until the 19th century. Not known in the West until ~1400.

6. **Peter Apian. *Cosmographia. Excusum Landshutae: Typis ac formulis D. Joannis Weysenburgeris: impensis Petri Apiani, [1524].*** GA6 .A64 1524 Vault
- Numerous woodcut diagrams and illustrations, including volvelles. May be a more complete copy, as to the volvelles, than any recorded.
 - First geographical work of any importance after the new voyages of discovery made the work of Ptolemy obsolete. Apian, while following Ptolemy closely, laid the foundations for a new science of theoretical geography based on mathematics and measurement.
7. **Johann Bayer. *Uranometria. Augustae Vindelicorum: Excudit Christophorus Magnus...1603.*** QB65 .B35 Vault Flat
- First atlas to cover the entire celestial sphere, 51 star charts.
 - Bayer's main sources were Tycho Brahe's 1,005-star catalog (then available only in mss. form and incorporated onto some globes, not yet in print) and Hondius' 1597/98 celestial globe for the southern sky.
 - Bayer's greatest legacy may be the system of stellar nomenclature he introduced in *Uranometria*, which is still used today. Bayer's system assigned the Greek letter alpha to the brightest star, then each subsequent Greek letter to other stars in order of descending brightness, then Latin letters if needed.
8. **Gerardus Mercator. *L'Atlas, ou meditations cosmographiques de la fabrique du monde et figure dicelvy de nouveau reveu et augmenté ...*** Amsterodami: Sumptibus & typis aeneis ludoci Hondij, An. D. 1613. G1007 1613 Vault Flat
- Mercator credited, more than any other one man, with changing mapmaking from a low art form to an exact science.
 - Did his own land surveying, map drawing, and plate engraving.
 - Note use of word Atlas in the title, an early instance of this usage as a synonym for a map collection.

9. Robert Dudley. *Dell' arcano del mare / di D. Ruberto Dudleo duca di Nortumbria, e conte di VVaruich. Libri sei ; ... Al serenissimo Ferdinando secondo gran duca di Toscana suo signore. 1646-1647.* G1059 .D84 Vault Flat, 3 v. in 4

- Movable parts in v.3, pt. 6.
- Source of all things maritime of the period, with sections on navigation, shipbuilding, and other marine endeavors. A comprehensive atlas of every known coastline on the planet.

10. Joan Blaeu. *Atlas major.* [Amsterdam: Blaeu, 1658-1672].

G1012 .B63 A88 1658 v. 9 Vault Flat

- The *Atlas Major* was not great scholarly accomplishment but it quickly became a status symbol to own a set due to the superior typography, hand-colored maps, and unparalleled reception.
- Colored copies cost 450 guilders. To put this in perspective, in 1660, an assistant in the book trade earned about 2 guilders a week. Rent for a bookshop in Amsterdam's shopping center ranged from 400-700 guilders a year.

11. Boxer II mss. Dutch #5 Vault

Dutch East India Company coastal profiles from the North Atlantic to the South China Sea, 1680.

- A type of sea chart, for use of sailors
- They don't need information about the interior of landmasses, but do need detail about the coasts

12. Louis Bretez. *Plan de Paris, Commencé l'Année 1734, et Gravé sous les ordres de Messire Michel Etienne Turgot...* (Paris, 1739) G1844 .P3 B844 Vault Flat

- Louis Bretez and Michel-Etienne Turgot's monumental 1739 map of Paris, possibly the most ambitious urban mapping ever undertaken. Shows the whole of 18th century Paris and offers a wonderful perspective on the city prior to Baron Georges Eugène Haussmann's 19th-century redesign.

13. George Dillwyn. *A map of the various paths of life*. London, 1794. GV1507 .J5 D57

- This item provides an example of the moral improvement genre, in the tradition of John Bunyan's *Pilgrim's Progress* (1678), which was particularly popular at this time.

14. F. W. Rose. *Serio-Comic War Map for the year 1877*. London: G.W. Bacon, [1877].

DA676 Oversize folder 4, no. 54 (shelved in its own folder)

- Fascinating political caricature map by Frederick Rose of the countries of Europe, known as the Octopus Map from the brooding presence of the Russian Empire depicted as a massive octopus, whose tentacles stretch out towards Europe. In this map, the Octopus has Turkey and Persia, but has been wounded by Crimea and is being fought off by Germany. Most of the other nations are cautious observers.

15. Geographical history of the 32nd General Hospital: European Theater. 1943-1945.

Lilly Mss. D807 .U62 I39

- Map depicting the movements of the 32nd General Hospital throughout WWII. Events, places, and people are illustrated with small etchings.

16. *Shinkoku Hizen Nagasaki Zu* (Newly engraved map of Nagasaki in Hizen). Published by the first of Bunkindo, July 1802. G7964 .N28 S5 vault

- This map of Nagasaki is the earliest production of the Bunkindo firm, and is based on a map published by Toshimaya in 1778. This wood-block map is typical of those produced in Nagasaki during the period, with its depiction of Dutch ships and Chinese junks in the bay. The map also includes tables of sea and land distances from Nagasaki to various places in Japan.
- Wood block print.
- Oriented with north toward the upper right.
- Relief shown pictorially.
- Includes distance chart and table of navigable routes in Nagasaki.