



**Foundation for Science
Technology and Civilisation**

Mapping and Picturing: Maps as Records of History

Author: Prof. Gonsel Renda
Chief Editor: Prof. Mohamed El-Gomati
Associate Editor: Dr. Salim Ayduz
Production: Savas Konur

Release Date: February 2007
Publication ID: 664

Copyright: © FSTC Limited, 2007

IMPORTANT NOTICE:

All rights, including copyright, in the content of this document are owned or controlled for these purposes by FSTC Limited. In accessing these web pages, you agree that you may only download the content for your own personal non-commercial use. You are not permitted to copy, broadcast, download, store (in any medium), transmit, show or play in public, adapt or change in any way the content of this document for any other purpose whatsoever without the prior written permission of FSTC Limited.

Material may not be copied, reproduced, republished, downloaded, posted, broadcast or transmitted in any way except for your own personal non-commercial home use. Any other use requires the prior written permission of FSTC Limited. You agree not to adapt, alter or create a derivative work from any of the material contained in this document or use it for any other purpose other than for your personal non-commercial use.

FSTC Limited has taken all reasonable care to ensure that pages published in this document and on the MuslimHeritage.com Web Site were accurate at the time of publication or last modification. Web sites are by nature experimental or constantly changing. Hence information published may be for test purposes only, may be out of date, or may be the personal opinion of the author. Readers should always verify information with the appropriate references before relying on it. The views of the authors of this document do not necessarily reflect the views of FSTC Limited.

FSTC Limited takes no responsibility for the consequences of error or for any loss or damage suffered by readers of any of the information published on any pages in this document, and such information does not form any basis of a contract with readers or users of it.

FSTC Limited

27 Turner Street, Manchester, M4 1DY, United Kingdom

Web: <http://www.fstc.co.uk> Email: info@fstc.co.uk

MAPPING AND PICTURING: MAPS AS RECORDS OF HISTORY

Prof. Günsel Renda*

This article was first published in the Essays in Honour of Ekmeleddin Ihsanoglu, (compiled by M. Kaçar-Zeynep Durukal). Istanbul: IRCICA, 2006, pp. 557–566. This book can be obtained from IRCICA publication on their official website: www.ircica.org. We are grateful to Dr. Halit Eren, General Director of IRCICA and Mustafa Kacar-Zeynep Durukal, editor of the book, for allowing publication.

Researchers of cartography are often geographers or cartographers themselves who examine maps for their content in view of the science of map making, while the illustrations on the maps are often overlooked. A study of historical maps and sea charts indicates, however, that cartographers have often considered map making as an art as well as a science and aimed to record the different parts of the world not only with their topographical details but also with their history. Therefore, city views, costumes, ships, flora and fauna and even portraits found on certain maps have brought them close to works of art.

Certain illustrated maps have survived from the Roman and Medieval times but it is in the sixteenth and seventeenth centuries that a great number of maps and sea charts or portolans have been produced. It is the real explosion of geography in the sixteenth century that led to the production of maps and sea charts by the Italians, Catalan and Portuguese as well as the Ottomans. This was the natural outcome of the Portuguese expeditions that led to new trade routes and naval traffic especially on the Mediterranean. To this must be added the conflicts that aroused in the sixteenth century between the ruling powers in the Mediterranean. For all purposes maps and sea charts were needed to provide current knowledge of geography and navigation. Maps and sea charts normally served to guide soldiers for military expeditions and especially mariners who sailed close to shore for refuge from corsairs and the ports they stopped for supply. Suitable harbours or towns were indicated with inscriptions and sometimes with sketchy vignettes. Maps and sea charts more or less have followed the same techniques over the centuries. Portolans or sea charts drawn on vellum are either single sheets, the size of the animal skin used, or they are in the form of atlases made up of separate sheets. They have interconnecting rhumb lines; representing the 32 points of the compass, 32 winds main half and quarter which join in wind roses which are multicoloured and decorated with a variety of motifs. Coast lines are drawn in green or blue, the islands painted in different colours. They have decorative scale bars as well, the place names or legends are written at right angles to the shore in black or red. Some of these maps or sea charts were produced in Italian, Catalan or Ottoman workshops as special presentation copies prepared for rulers or wealthy customers. Important cities which in the simple maps were no more than vignettes developed in these copies into plan views or ground level panoramas of certain cities and harbours with added legends concerning historical facts often indicating the political allegiance of a place. Venice and Genoa were the most frequently illustrated ports although other cities such as Marseilles, Jerusalem, Alexandria or Cairo were represented. They also included figures of

* Koc University, Faculty of Arts and Sciences, Istanbul, Turkey.

rulers or other humans worthy of attention, animals, birds, flags, etc. It is in these illustrated maps that the links between map and picture making bring aesthetic concerns and their artistic component needs to be explored.

A study of such maps or sea charts from the Mediterranean reveals the interplay between diverse cultures in the area and especially the political and cultural relations between the Mediterranean countries, and the different approaches revealed by the works of Italian, Catalan or Ottoman cartographers.

The Catalan or Italian cartographers preparing maps and sea charts for their patrons seem to have developed a special interest towards the Moslem rule in the eastern Mediterranean. Ottoman expansion into Anatolia and especially the conquest of Istanbul in 1453 must have been an unpleasant reality for Italian and Catalan cartographers as they were reluctant to depict the city under Moslem rule and they preferred to indicate if all, the new masters of the Byzantine capital only by a flag and symbolize the Moslem rule in Anatolia by banners with crescents or sometimes a turbaned figure holding a dagger.

One of the best plan views of Istanbul during Byzantine rule was drawn by Christoforo Buondelmonte in his *Liber Insularum*, the book on islands, in 1430, which still is a real document for the city and its monuments. Approximately sixty years after, the city was depicted in *Liber Cronicarum* printed in Germany in 1492 still as a Byzantine city with no indication of the monuments added by Mehmed II after the city's conquest in 1453. As late as 1561, the Venetian cartographer Giorgio Sideri refrained from drawing Istanbul although he depicted many of the cities and harbours in Europe, North Africa and the Near East, and preferred to mark the Bosphorous with a Christian flag as well as a banner with a crescent placing a Christian flag in the Black Sea as well. Some Italian cartographers such as Jacopo Maggiolo did depict Istanbul under Moslem rule. However Jerusalem and Cairo although drawn in much detail are not indicated as Moslem cities although they came under Ottoman rule in 1516.

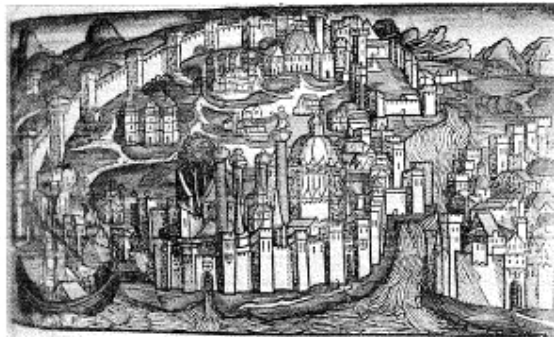


Figure 1. *View of Istanbul. Liber Cronicarum, Topkapi Palace Museum Library, H. 2878, d. 1497.*

On the other hand Battista Agnese, a Venetian cartographer active in the second quarter of the 16th century seems to have taken a keen interest in contemporary history. His world maps and atlases covering different parts of the world are extensively illustrated and quite accurate. His interest in political history is explicit in his depictions of rulers in all the European countries, the Scottish and English kings, and the enthroned Pope. He had a keen interest for the eastern rulers as well. Suleyman the Magnificent, the reigning Ottoman sultan is depicted on his throne in Anatolia. The inscription nearby indicates the spot where Timur defeated Bayezid II in 1402, in Ankara. In Iran, not far from the Caspian, he placed the Safavid sultan on his throne.

Interesting though is Agnese's depiction of the island of Rhodes under a Christian flag although the island was taken by Suleyman the Magnificent. Ottoman rule in the Balkans is verified by a second portrait of Suleyman the Magnificent, both portraits being quite realistic depictions of the sultan. Suleyman was one of the sultans most frequently portrayed by European artists at the time, so he must have seen a portrait of the Ottoman sultan. His indication of the holy town Jerusalem with a depiction of Christ and God in the clouds is done undoubtedly to emphasize the Christian significance of the town. On the other hand, when depicting the eastern Mediterranean area he indicates in an inscription that Selim I had conquered the area.



Figure 2. *Portrait of Suleyman the Magnificent enthroned on the map of the Ottoman Empire, Battista Agnese. Portolan 1, Venezia, Museo Correr, d. 1553 (Courtesy of Museo Correr).*

Agnese's maps are the most accurately illustrated examples. Other 16th and 17th century cartographers reflected different approaches. Some indicated political rule by placing curious symbolic imaginary figures as rulers, for example the figure symbolizing the Habsburg king in Europe or the Ottoman sultan in this portolan. Some included seascapes; others gave plan views of the major towns unframed in a section above the maps.

The sixteenth century saw the production of several maps and sea charts by the Ottomans as well. The Ottoman expansion policy in the Mediterranean resulted in the annexation of Syria and Egypt followed by the siege of Rhodes already signalling Ottoman supremacy in the Aegean by 1520's. This continuing interest in campaigns in the Mediterranean necessitated the presence of a powerful fleet and extensive geographic material. It was Mehmed II in the 15th century who had acquired a rich collection of geographical sources for the Ottoman court. His personal interest in geography is revealed by a large number of books and maps still kept in the Topkapi Palace Museum. Francesco Berlinghieri, the Florentine geographer, dedicated a copy of Ptolemy's *Geographike's* Italian translation to Mehmed II. A military map of the Venetian republic also commissioned by Mehmed II is now in the Topkapi Museum.

Various military maps or siege plans were produced by the Ottomans. In two siege plans, one of Belgrade and the other of Lepanto, painted in the technique of miniature painting, Lepanto is shown enclosed in flatly rendered walls but the monuments themselves in elevation. It is in way a map and also a miniature painting. The plan of Belgrade has scattered vignettes reminiscent of portolan style but the way the buildings are shown, the plants rendered and the colouring is typical of Ottoman miniatures of the time.

The best examples of Ottoman mapping are found among the works of Piri Reis, a manner and a cartographer at the court of Selim I and Suleyman the Magnificent. His well known world map of 1513 based on the Columbus map of 1498 and the various copies of his *Kitab-i Bahriye*, a book of portolans and sailing directions, are full of city views and legendary images worthy of attention. In the long inscription on the world map he says he consulted 20 maps and mappamondi and legends about the discovery of America.

Piri's *Kitab-i Bahriye* contains charts of the Mediterranean starting his voyage with the Aegean Sea, the Dalmatian shores, Italy, southern France, Spain, North Africa, east Mediterranean, southern shores of Turkey and back to the Dardanelles. Some of his legends describing the towns and their depictions themselves are reflections of the Ottoman cartographers' approach. Piri describes Venice in his text, as a city no more than a simple fishermen's town established by fishermen from Alexandria who brought the relics of San Marco. Although as an Ottoman mariner, he must have accepted Venice significant as a naval force as well as being a commercial center not to forget its large arsenal, and although it is the largest representation of a town in the whole book, the city's view reflects Piri's perception of Venice. The arsenal, the only rivalling arsenal to the Istanbul one, as Piri writes, is depicted in detail. The church of San Marco and the campanile are indicated but not very accurately drawn. The rest is a pile of buildings and canals. The image is far removed from the accurate bird's eye views of the town already used in European maps after Barbari's plan of Venice in 1500. Piri's version is a topographical drawing of the town in an Ottoman miniaturist's approach. But when it comes to towns in North Africa or the Anatolian coast, Piri gives detailed representations of the towns based on his own observations. When depicting Cairo he shows many of the Moslem monuments, he emphasizes the sailors because it had an arsenal, and he carefully depicts all the significant monuments.

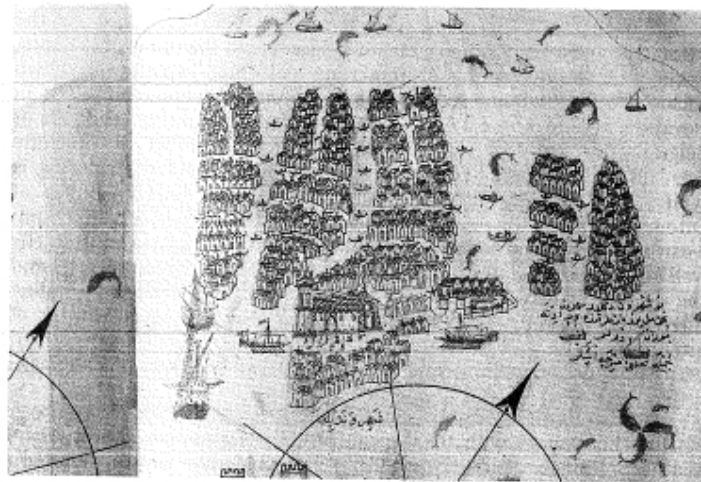


Figure 3. View of Venice. Piri Reis, *Kitab-i Bahriye*, Suleymaniye Library, ca. 1525, A 2162, f. 214b

In later copies of Piri Reis' book produced at the end of the 16th century town views have been elaborated and are much more detailed. By the mid-16th century a tradition of topographical painting was initiated in the Ottoman ateliers influenced by the cartographers' work. Miniature artists now depicted in the historical manuscripts those towns besieged or visited by the Ottoman army or navy with accurate topographical details very much like the town views in atlases. These views painted by the Ottoman artists some of whom

are known by name indicate the close relationship between cartographers and artists, and documents prove the presence of artists working at the cartographers' ateliers in Istanbul.

Later in the century several Ottoman atlases without text were produced, some of them with elaborate illustrations. In an atlas in the Walters Art Gallery dating from late 16th century, the major cities in Europe and the East Mediterranean are depicted with accurate details (Alexandria and Marseilles). Genoa is depicted with its two harbours, but the most interesting image in the atlas is the panorama of Istanbul. The city is divided by the Golden Horn and the Bosphorous into three sections and each section when viewed from the sea is drawn like a ground level panorama. The Istanbul skyline with its major mosques and Galata section with its tower are marked with accuracy, not to forget the arsenal which was elaborated in the second half of the 16th century. The panorama looks like a ground level view at first sight but it also gives the feeling of a bird's eye view because the city is shown from a distance. Yet it totally lacks the single perspective used in bird's eye views of European towns by cartographers such as Roselli and Barbari at the beginning of the 16th century. On the other hand this panoramic view of Istanbul is not an imaginary or symbolic representation of the town nor is it in any way reminiscent of portolan style town views seen previously. It is more in line with detailed panoramas of Istanbul often drawn by European travellers in the 16th century such as the Lorichs panorama or the Vienna one. They are ground level panoramas seen from the Galata section. The true bird's eye view plan of Istanbul was published by Braun and Hogenberg in the *Civitates Orbis Terrarum* early in the 17th century (1572-1618) where the view of Istanbul is in the perfect geometrical perspective. Braun and Hogenberg included figures and portraits in their city views and there is an interesting note in their publication. They say they did this to prevent the Turks whose religion forbade images from using their maps for their own military end.

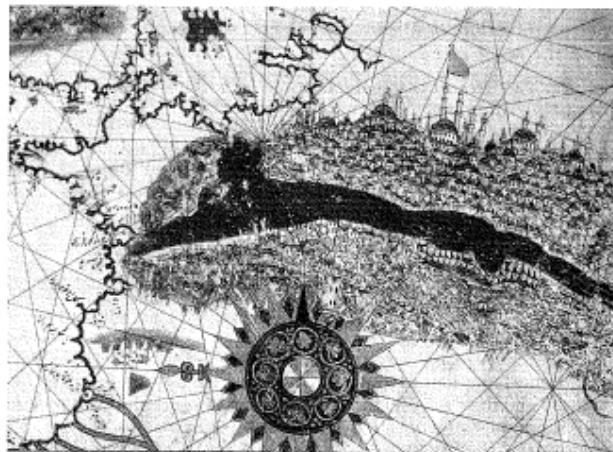


Figure 4. *View of Istanbul. Atlas, F. 8b-9a, Baltimore Walters Art Gallery, W. 660, d. 1560s (Courtesy of Walters Art Gallery).*

When Bleau brothers presented their atlas to Louis the 14th in 1663 they wrote "geography is the eye and light of history". "The cartographer describes each section of the world individually with its cities, villages, islands, rivers, lakes, mountains, etc. and tells its history making everything so clear so that the reader sees the actual town or place before his eyes". Maps should be considered to present geography as the eye of history. They record the history of a town as well as the 'political history of a region, they reflect the conflicts between political powers and beliefs, they reflect the artistic milieu of the period and above all the

cartographer who often was also the artist, or sometimes the sailor or the traveller himself, his political tendencies, his interest in far away lands, his cultural background, his knowledge of environment and nature and his own world of fantasies and memories. No doubt the map makers in history have been referred to as "world describers". Their work enables us to contemplate at home and right before our eyes things that are farthest away. Yet the artistic component of the cartographers work is equally significant. This interesting merge of mapping and picturing, should be the concern of the historians of art as these illustrated maps may well be a source for historical documentation as well as the art of painting at the time, and the aesthetic criteria prevailing in various art circles in the Mediterranean.

Selected Bibliography

Goodrich, T., "The Earliest Ottoman Maritime Atlas-the Walters Deniz Atlasi", *Archivum Ottomanicum*, 11 (1986) 25-50.

Goodrich, T., "Old Maps in the Library of Topkapi Palace in Istanbul", *Imago Mundi*, no.45, London, 1993.

The History of Cartography, vol. two, book one (ed. J. B. Harley, D. Woodward), Chicago and London, 1992.

XIV-X VIII. Yuzyil Portolan ve Deniz Haritalari/Portolani e Carte Nautiche XI V-X VII Secolo dalle collezioni del Museo Correr - Venezia. Museo del Topkapi- Istanbul, 1994.

Renda, G. "Representations of towns in Ottoman sea charts of the sixteenth century and their relation to Mediterranean cartography", *Soilman le Magnifique et son temps*, Paris, 1992, 279-297.

Soucek, S., *Piri Reis and Turkish Mapmaking after Columbus*, London, 1992.