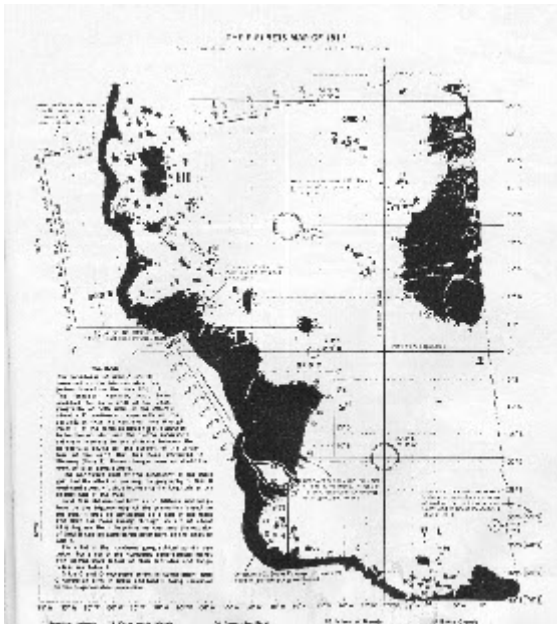


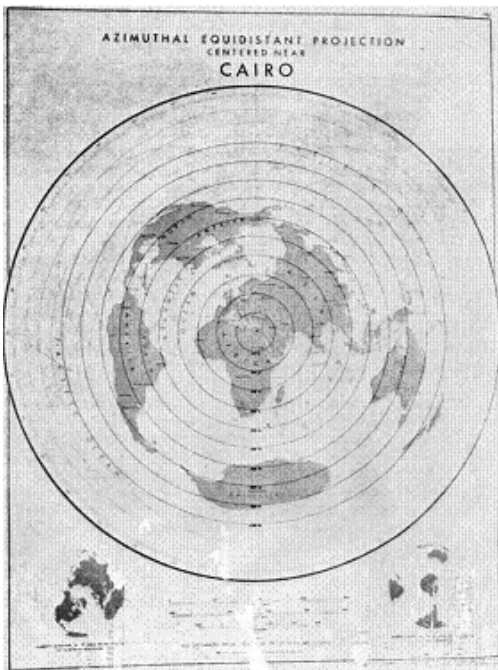
# The Piri Reis Map Controversy



**How did the ancients know the true outline of Antarctica which is now deep under ice?**



**Right** - The contours from the Piri Reis map



**Left** - an azimuthal projection of the real globe (bottom image), show very similar distortions.

Piri Re'is own commentary indicates that some of his source maps were from the time of Alexander the Great (332 B.C.).

## Introduction

In 1929, a group of historians found an amazing map drawn on a gazelle skin.

Research showed that it was a genuine document drawn in 1513 by Piri Reis, a famous admiral of the Turkish fleet in the sixteenth century.

His passion was cartography. His high rank within the Turkish navy allowed him to have a privileged access to the Imperial Library of Constantinople.

The Turkish admiral admits in a series of notes on the map that he compiled and copied the data from a large number of source maps, some of which dated back to the fourth century BC or earlier.

## The Controversy

The Piri Reis map shows the western coast of Africa, the eastern coast of South America, and the northern coast of Antarctica. The northern coastline of Antarctica is perfectly detailed. The most puzzling however is not so much how Piri Reis managed to draw such an accurate map of the Antarctic region 300 years before it was discovered, but that the map shows the coastline under the ice. Geological evidence confirms that the latest date Queen Maud Land could have been charted in an ice-free state is 4000 BC.

On 6th July 1960 the U. S. Air Force responded to Prof. Charles H. Hapgood of Keene College, specifically to his request for an evaluation of the ancient Piri Reis Map:

*6, July, 1960*

*Subject: Admiral Piri Reis Map*

*TO: Prof. Charles H. Hapgood*

*Keene College*

*Keene, New Hampshire*

*Dear Professor Hapgood,*

*Your request of evaluation of certain unusual features of the Piri Reis map of 1513 by this organization has been reviewed.*

*The claim that the lower part of the map portrays the Princess Martha Coast of Queen Maud Land, Antarctic, and the Palmer Peninsular, is reasonable. We find that this is the most logical and in all probability the correct interpretation of the map.*

*The geographical detail shown in the lower part of the map agrees very remarkably with the results of the seismic profile made across the top of the ice-cap by the Swedish-British Antarctic Expedition of 1949.*

*This indicates the coastline had been mapped before it was covered by the ice-cap. The ice-cap in this region is now about a mile thick.*

*We have no idea how the data on this map can be reconciled with the supposed state of geographical knowledge in 1513*

*Harold Z. Ohlmeyer  
Lt. Colonel, USAF Commander*

The official science has been saying all along that the ice-cap which covers the Antarctic is million years old.

The Piri Reis map shows that the northern part of that continent has been mapped before the ice did cover it. That should make think it has been mapped million years ago, but that's impossible since mankind did not exist at that time.

Further and more accurate studies have proven that the last period of ice-free condition in the Antarctic ended about 6000 years ago. There are still doubts about the beginning of this ice-free period, which has been put by different researchers everything between year 13000 and 9000 BC.

The question is: Who mapped the Queen Maud Land of Antarctic 6000 years ago? Which unknown civilization had the technology or the need to do that?

It is well-known that the first civilization, according to the traditional history, developed in the mid-east around year 3000 BC, soon to be followed within a millennium by the Indus valley and the Chinese ones. So, accordingly, none of the known civilizations could have done such a job. Who was here 4000 years BC, being able to do things that NOW are possible with the modern technologies?

All through the Middle Ages were circulating a number of sailing charts called "portolani", which were accurate maps of the most common sailing routes, showing coastlines, harbours, straits, bays, etc. Most of those portolani focused on the Mediterranean and the Aegean seas, and other known routes, just as the sailing book which Piri Reis himself had written. But a few reported of still unknown lands, and were circulating among few sailors who seemingly kept their knowledge about those special maps as hidden as they could. Columbus is supposed to have been one of those who knew these special sailing charts.

To draw his map, Piri Reis used several different sources, collected here and there along his journeys. He himself has written notes on the map that give us a picture of the work he had been doing on the map. He says he had been not responsible for the original surveying and cartography. His role was merely that of a compiler who used a large number of source-maps. He says then that some of the source-maps had been drawn by contemporary sailors, while others were instead charts of great antiquity, dating back up to the 4th century BC or earlier.

Dr. Charles Hapgood, in his book **Maps of the Ancient Sea Kings** (Turnstone books, London 1979, preface), said that:

*It appears that accurate information has been passed down from people to people. It appears that the charts must have originated with a people unknown and they were passed on, perhaps by the Minoans and the Phoenicians, who were, for a thousand years and more, the greatest sailors of the ancient world. We have evidence that they were collected and studied in the great library of Alexandria (Egypt) and the compilations of them were made by the geographers who worked there.*

Piri Reis had probably come into possession of charts once located in the Library of Alexandria, the well-known most important library of the ancient times.

According to Hapgood's reconstruction, copies of these documents and some of the original source charts were transferred to other centers of learning, and among them to Constantinople. Then in 1204, year of the fourth crusade, when the Venetians entered Constantinople, those maps began to circulate among the European sailors.

*Most of these maps - Hapgood goes on - were of the Mediterranean and the Black sea. But maps of other areas survived. These included maps of the Americas and maps of the Arctic and Antarctic Oceans. It becomes clear that the ancient voyagers travelled from pole to pole. Unbelievable as it may appear, the evidence nevertheless indicates that some ancient people explored Antarctic when its coasts were free of ice. It is clear too, that they had an instrument of navigation for accurately determining the longitudes that was far superior to anything possessed by the peoples of ancient, medieval or modern times until the second half of the 18th century. [...]*

*This evidence of a lost technology will support and give credence to many of the other hypothesis that have been brought forward of a lost civilization in remote times. Scholars have been able to dismiss most of those evidences as mere myth, but here we have evidence that cannot be dismissed. The evidence requires that all the other evidences that have been brought forward in the past should be re-examined with an open mind." (Ibid.)*

In 1953, a Turkish naval officer sent the Piri Reis map to the U.S. Navy Hydrographic Bureau. To evaluate it, M.I. Walters, the Chief Engineer of the Bureau, called for help Arlington H. Mallery, an authority on ancient maps, who had previously worked with him.

After a long study, Mallery discovered the projection method used. To check out the accuracy of the map, he made a grid and transferred the Piri Reis map onto a globe: the map was totally accurate. He stated that the

only way to draw map of such accuracy was the aerial surveying: but who, 6000 years ago, could have used airplanes to map the earth??

The Hydrographic Office couldn't believe what they saw: they were even able to correct some errors in the present days maps!!

The precision on determining the longitudinal coordinates, on the other hand, shows that to draw the map it was necessary to use the spheroid trigonometry, a process supposedly not known until the middle of 18th century.

Hapgood has proved that the Piri Re's map is plotted out in plane geometry, containing latitudes and longitudes at right angles in a traditional "grid"; yet it is obviously copied from an earlier map that was projected using spherical trigonometry! Not only did the early map makers know that the Earth was round, but they had knowledge of its true circumference to within 50 miles!

Hapgood had sent his collection of ancient maps (we will see the Piri reis map was not the only one...) to Richard Strachan, at the Massachusetts Institute of Technology. Hapgood wanted to know exactly the mathematical level needed in order to draw the original source maps. Strachan answered in 1965, saying that the level had to be very high.

In fact Strachan said that in order to draw such maps, the authors had to know about the spheroid trigonometry, the curvature of the earth, methods of projection; knowledge that is of a very high level.

The way the Piri Reis map shows the Queen Maud land, its coastlines, its rivers, mountain ranges, plateaus, deserts, bays, has been confirmed by a British-Swedish expedition to Antarctic ( as said by Olhmyer in his letter to Hapgood); the researchers, using sonar and seismic soundings, indicated that those bays and rivers etc, were underneath the ice-cap, which was about one mile thick.

Charles Hapgood, in 1953, wrote a book called "Earth's shifting crust: a key to some basic problems of earth science", where he made up a theory to explain how Antarctic had been ice-free until year 4000 BC.

The theory summing up is as follows:

The reason Antarctic was ice-free, and therefor much warmer, it is to be found in the fact that, at one time, its location wasn't the south pole. It was located approximately 2000 miles further north. Hapgood says this "would have put it outside the Antarctic Circle in a temperate or cold temperate climate".

### **Read more information about Pole Shifting.**

The reason why the continent moved down to its present location has to be found in a mechanism called "earth-crust-displacement". This mechanism, not to be confused with the plate-tectonics or the continental drift, is one whereby the lithosphere, the whole outer crust of the earth "may be displaced at times, moving over the soft inner body, much as the skin of an orange, if it were loose, might shift over the inner part of the orange all in one piece". (Charles Hapgood, "Maps of the ancient sea-kings",).

This theory was sent to Albert Einstein, which answered to Hapgood in very enthusiastic terms. Though geologists did not seem to accept Hapgood's theory, Einstein seemed to be as much open as Hapgood saying: "In a polar region there is a continual deposition of ice, which is not symmetrically distributed about the pole. The earth's rotation acts on these unsymmetrically deposited masses, and produces a centrifugal momentum that is transmitted to the rigid crust of the earth. The constantly increasing centrifugal momentum produced in this way will, when it has reached a certain point, produce a movement of the earth's crust over the rest of the earth's body...." (Einstein's foreword to "Earth's shifting crust" p.1)

Anyway, whether Hapgood's theory is correct, the mystery still thrills. The Piri Reis map is something which is not supposed to exist. I mean that by no means there was supposed to be anyone that far back in time



able to draw a map of such precision; in fact the relative longitudinal coordinates are totally accurate, as stated by Official studies on the map that we saw above.

And this is a demonstration of impossible technology: the first instrument to calculate the longitude in a approximately correct way has been invented in 1761 by the English John Harrison.

Before there was no way to calculate the longitude in an acceptable way: there could be errors of hundreds kilometers....

And the Piri Reis map is just one of several which show supposedly unknown lands, impossible knowledge, precision which still today would surprise.....

In fact Piri Reis himself admitted he based his map on way older charts; and those older charts had been used as sources by others who have drawn different maps still of great precision.

Impressive is the "Dulcert's Portolano", year 1339, where the latitude of Europe and North Africa is perfect, and the longitudinal coordinates of the Mediterranean and of the Black sea are approximated of half degree. An even more amazing chart is the "Zeno's chart", year 1380. It shows a big area in the north, going up till the Greenland; Its precision is flabbergasting. "It's impossible" says Hapgood "that someone in the fourteenth century could have found the exact latitudes of these places, not to mention the precision of the longitudes..."

Another amazing chart is the one drawn by the Turkish Hadji Ahmed, year 1559, in which he shows a land stripe, about 1600 Km. wide, that joins Alaska and Siberia. Such a natural bridge has been then covered by the water due to the end of the glacial period, which rose up the sea level. Oronteus Fineus was another one who drew a map of incredible precision. He too represented the Antarctic with no ice-cap, year 1532

There are maps showing Greenland as two separated islands, as it was confirmed by a polar French expedition which found out that there is an ice cap quite thick joining what it is actually two islands.

As we saw, many charts in the ancient times pictured, we might say, all the earth geography. They seem to be pieces of a very ancient world wide map, drawn by unknown people who were able to use technology that we consider to be a conquer of the very modern times

When human beings were supposed to live in a primitive manner, someone "put on paper" the whole geography of the earth. And this common knowledge somehow fell into pieces, then gathered here and there by several people, who had lost though the knowledge, and just copied what they could find in libraries, bazaars, markets and about all kind of places. Hapggod made a disclosure which amazingly lead further on this road: he found out a cartographic document copied by an older source carved on a rock column, China, year 1137. It showed the same high level of technology of the other western charts, the same grid method, the same use of spheroid trigonometry. It has so many common points with the western ones that it makes think more than reasonably, that there had to be a common source: could it be a lost civilization, maybe the same one which has been chased by thousands years so far?

### **Summary**

The Piri Re's map is often exhibited in cases seeking to prove that civilization was once advanced and that, through some unknown event or events, we are only now gaining any understanding of this mysterious cultural decline. The earliest known civilization, the Sumerians in Mesopotamia, appear out of nowhere around 4,000 B.C. but have no nautical or maritime cultural heritage. They do, however, speak reverently of ancestral people who were like the "gods" and were known as the nefilim. Here is a summary of some of the most unusual findings about the map:

Scrutiny of the map shows that the makers knew the accurate circumference of the Earth to within 50 miles.

The coastline and island that are shown in Antarctica must have been navigated at some period prior to 4,000 B.C. when these areas were free of ice from the last Ice Age.

The map is thought to be one of the earliest "world maps" to show the Americas. Early scholars suggested that it showed accurate latitudes of the South American and African coastlines - only 21 years after the voyages of Columbus! (And remember, Columbus did NOT discover North America - only the Caribbean!) Writing in Piri Re's own hand described how he had made the map from a collection of ancient maps, supplemented by charts that were drawn by Columbus himself. This suggests that these ancient maps were available to Columbus and could have been the basis of his expedition.

**·As can be seen below, an azimuthal projection ( looking at the globe from a point above the globe), from the point above Cairo, Africa (Egypt) shows that the Piri Reis map corresponds more or less with the lower right quarter of this map if one rotates it some 20 degrees counter clockwise.**

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