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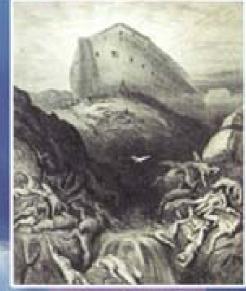
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This book is lossed under the Black Sea Research Program "NOAB" http://www.lo-bas.bg/sioahproject/index.html







AND THE ANCIENT MYTHS

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The Black Sea, the Flood and the Ancient Myths

Introduction

- **<u>1. The Black Sea what do we know about it?</u>**
- **2. Geo-catastrophic events in the Black Sea**
- **3. Hydrogen Sulfide the Curse of God**
- **4. The Black Sea Coast and Shelf a Center**
- of Flourishing pre-Flood Civilizations
- **5. About the names of the Black Sea**
- **<u>6. The Black Sea a Key to the World Flood</u>**
- **Mystery**
- **7. The Sumerian Epic and the Bible Myths Conclusion**

Chapter 1

The Black Sea – what do we know about it?



Mediterranean region

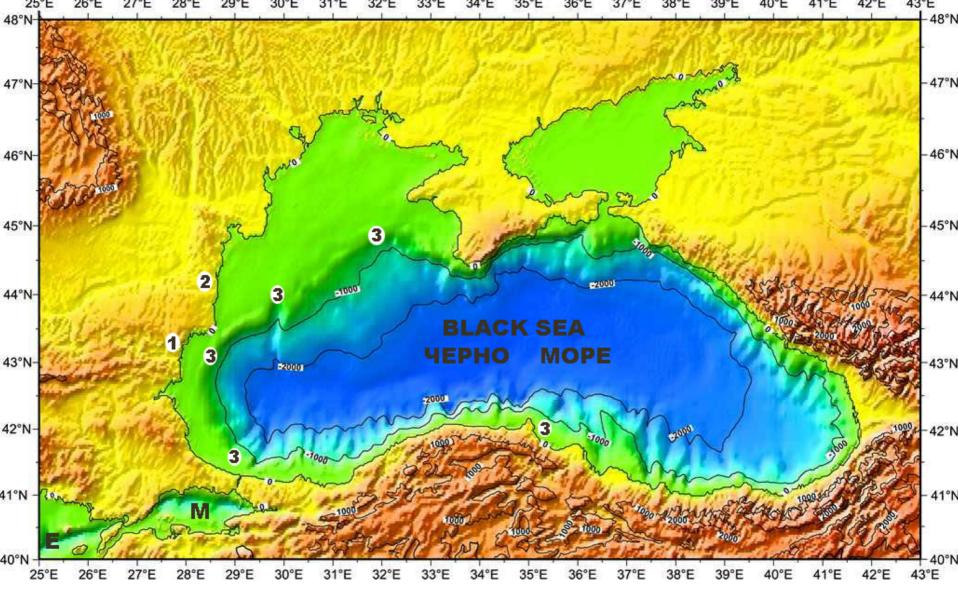


Fig.1. Eastern Mediterranean region

1.The Varna necropolis

2.Durankulak necropolis

3.Possible Neolith settlements in the region of the old shorelines

M – The Marmara Sea

E – The Aegean Sea

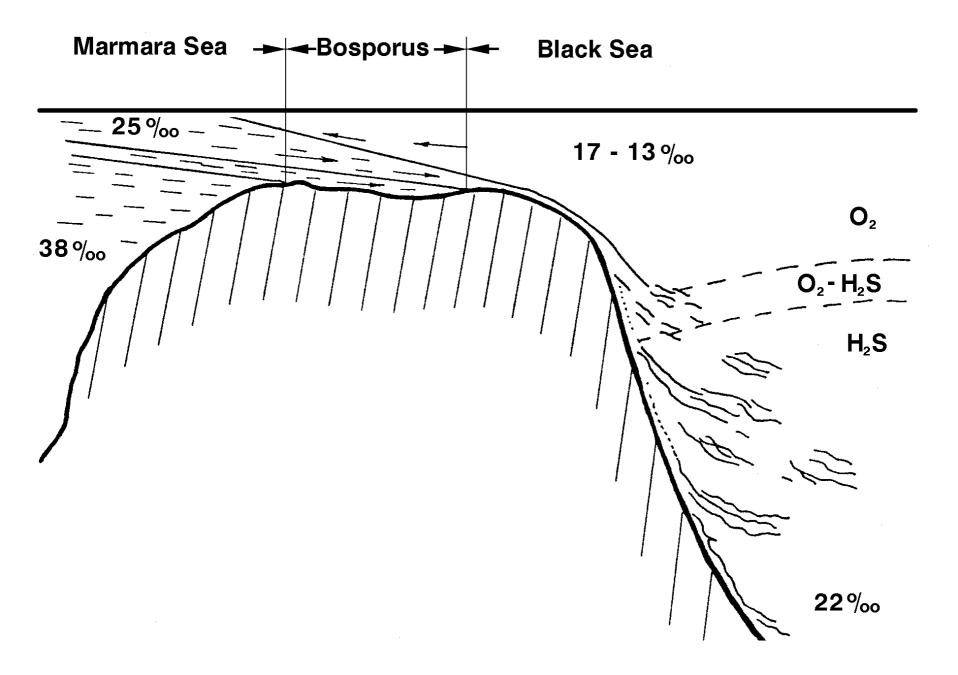


Fig. 2. A principle schema of the water exchange between the Black Sea and the Marmara Sea

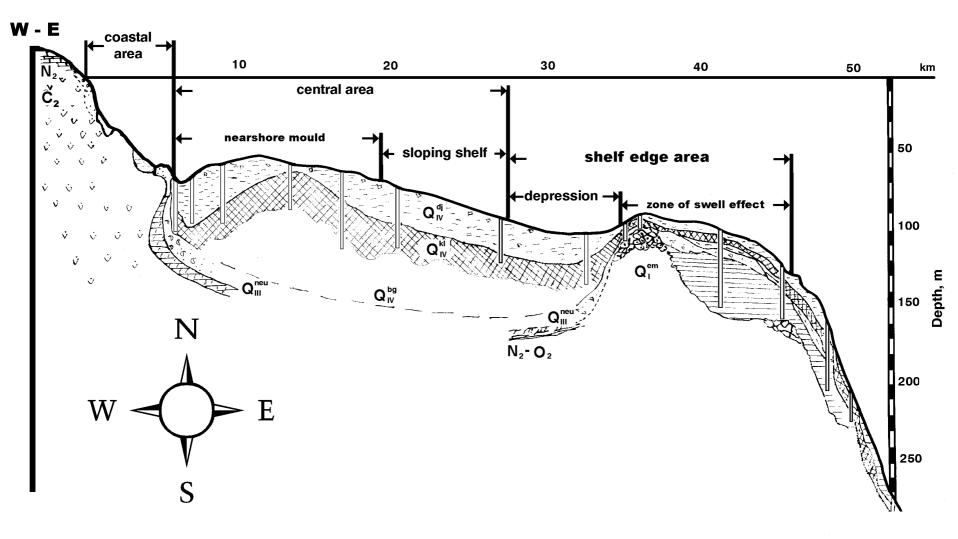
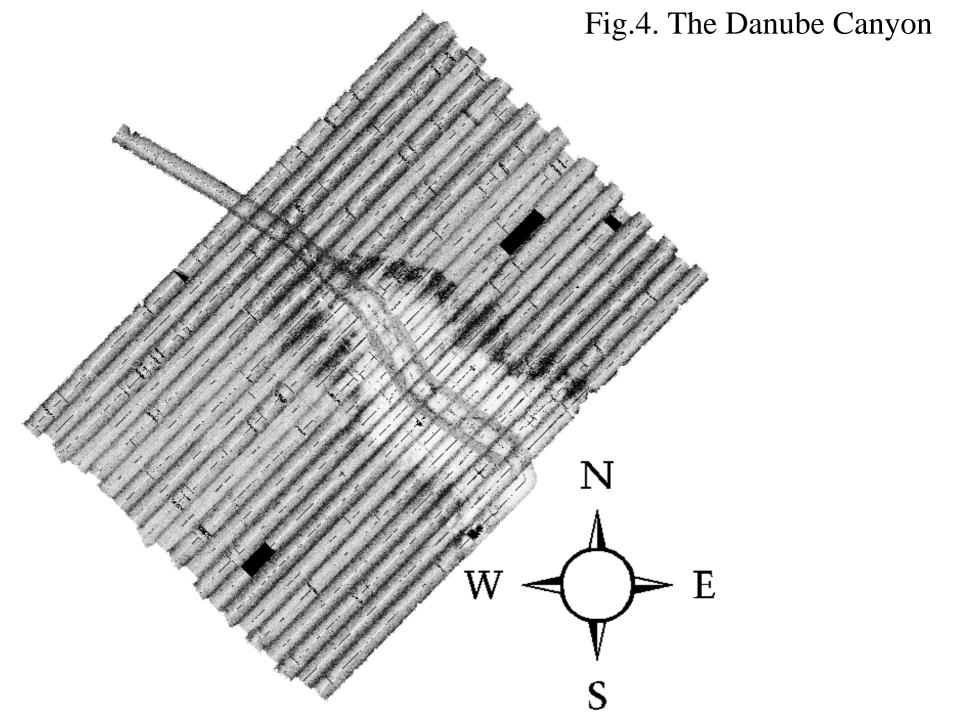


Fig. 3. Schematic geological cross section of the shelf and the major elements of the relief

Q₁ -Q_{IV} – quaternary deposits N₂ – Pliocene C₂ – Upper Cretaceous volcanogenic-sediment rocks



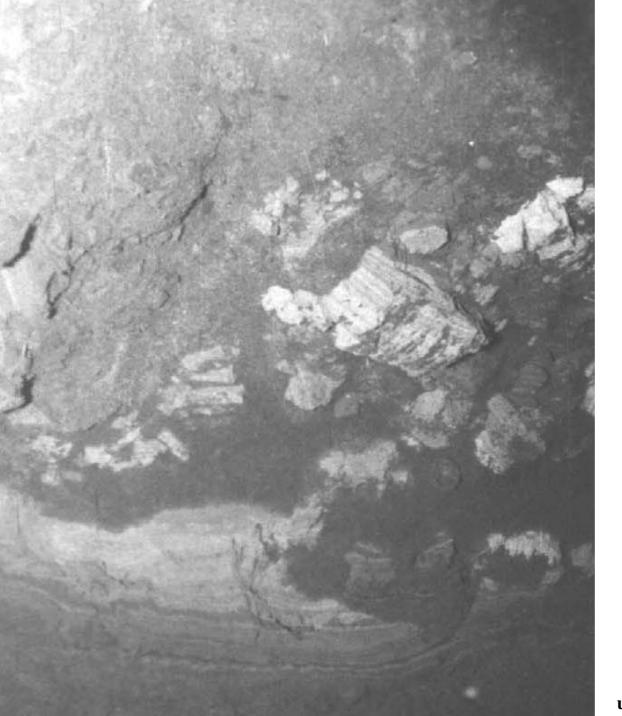


Fig.5. Active slidings in the axes of the underwater valleys (underwater picture)

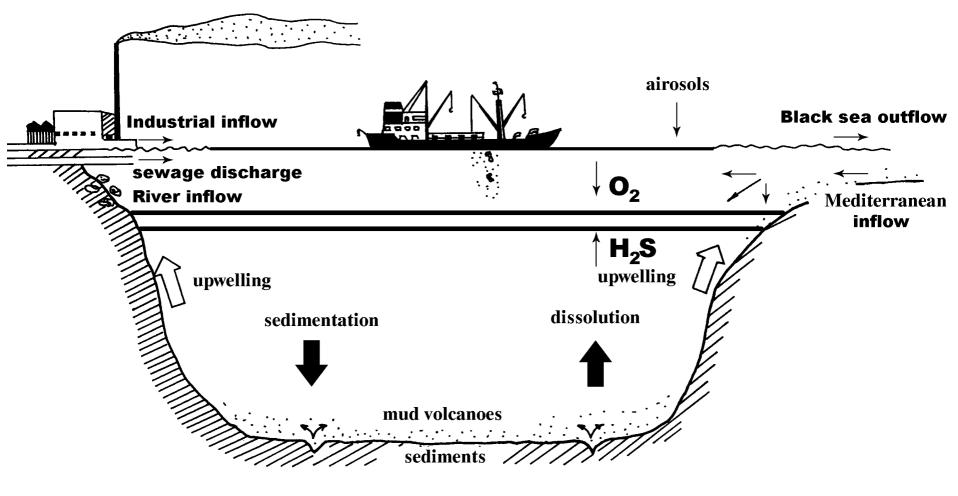


Fig. 6. Natural and anthropogenic factors for the formation of the contemporary Black Sea regime

Chapter 2

Geo-catastrophic events in the Black Sea

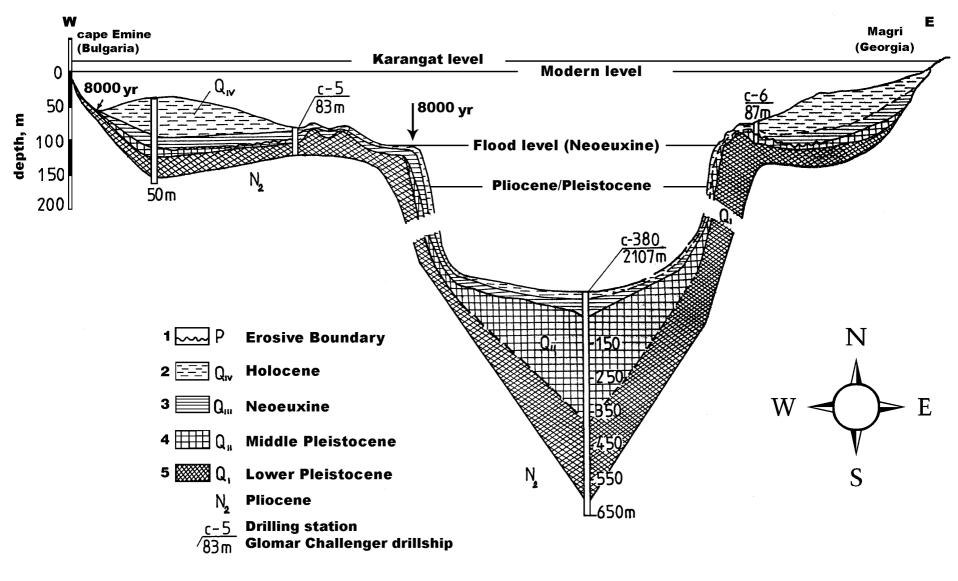
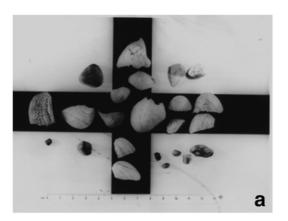
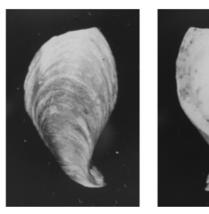


Fig. 7. Schematic geological cross-section and the old shorelines of the Black Sea





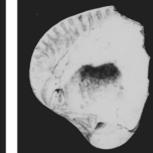
Dreissena rostriformis pontocaspica



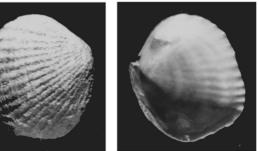


Dreissena rostriformis abchasica





Didacna olla livent



Didacna tschaudia guriana

Fig. 8. Shore sediments with an Lower Pleistocene age



Chaudinian coastal sediments a - fragments from shells b - gravel grains with shells

c - gravel grains



Dreissena rostriformis tschaudae

Fig. 9a. Lower Pleistocene fauna (genus Dreissena)

Fig. 9b. Lower Pleistocene fauna (genus *Didacna*)

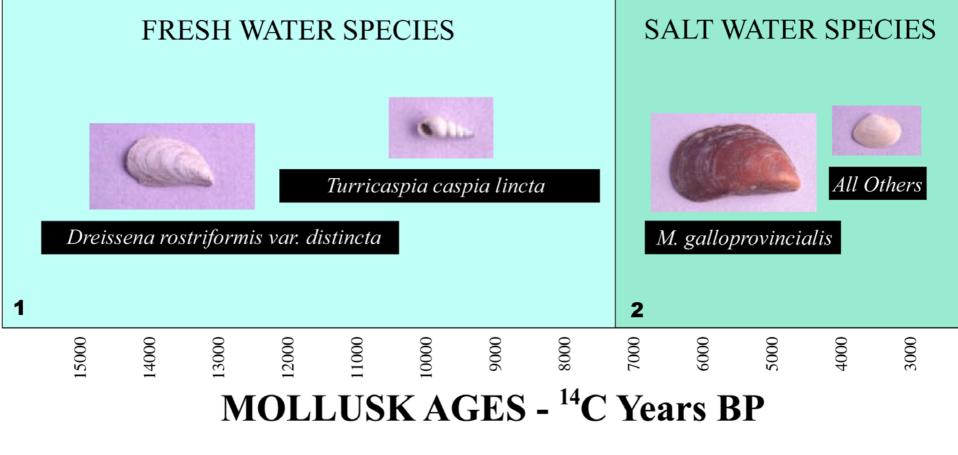


Fig. 9c. Fauna species before –1 and after the Flood -2

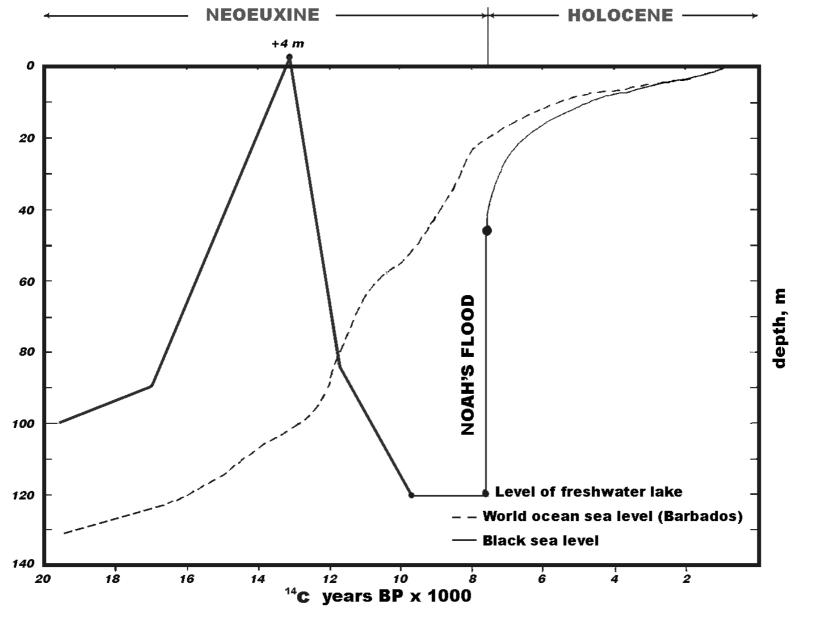


Fig.10. The curve of the changes in the level of the World Ocean and the Black Sea during the last 18,000 years

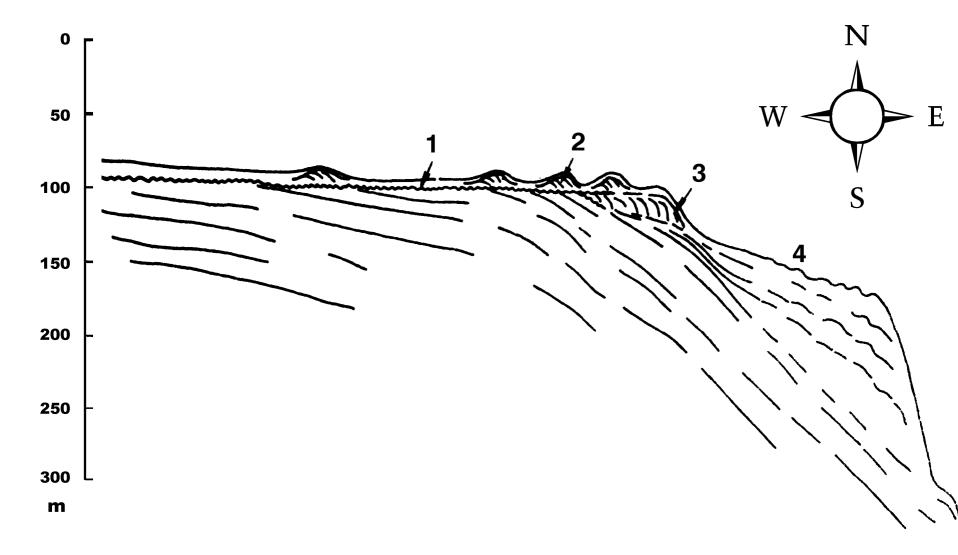


Fig.11a. General schema of the ancient shoreline of the shelf 1 – erosion surface 2 – Neoeuxine bars

3 – Chaudian shore bars **4** – peripheral shelf terrace

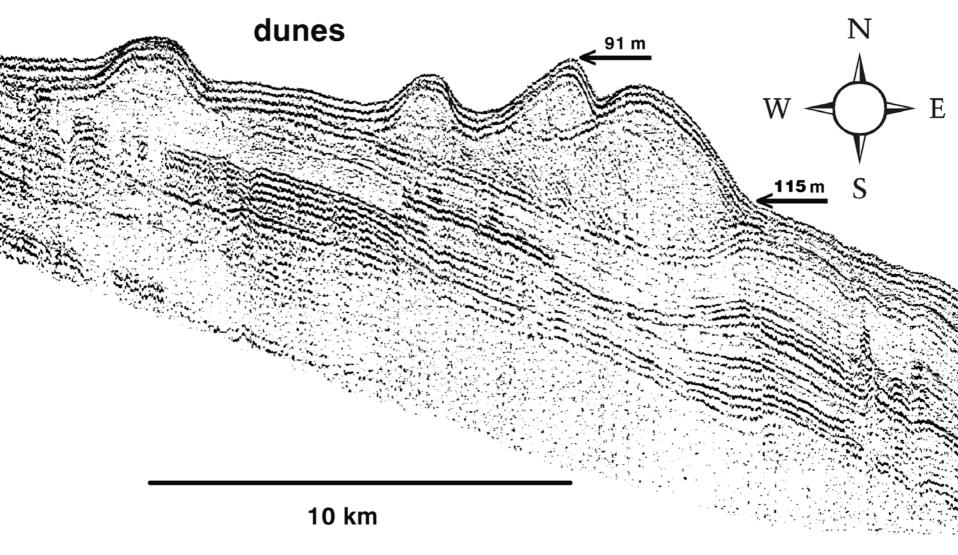


Fig.11b. Fragment of seismic-acoustic record in the region of the old shorelines (profile Emine cape)



Fig.12a. Description of a geological drill on board of Akademik ship

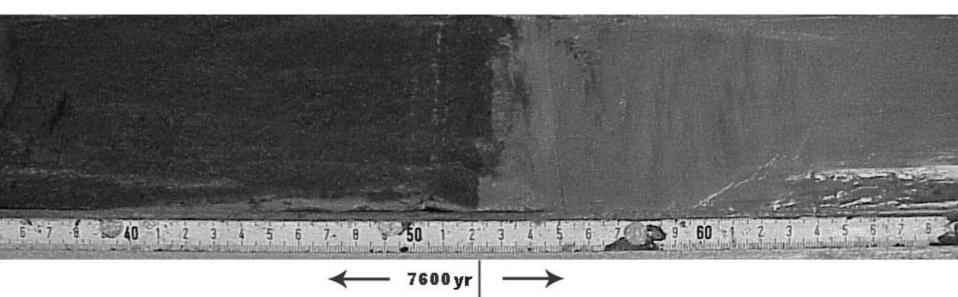


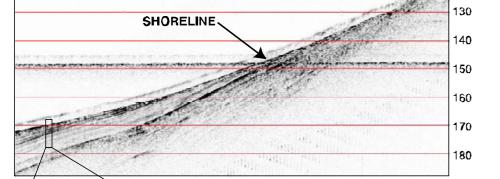
Fig.12b. Geological pipe flies to the bottom...



Fig.12c. Sapropel cores

Fig.12d. Freshwater – sea sediments boundary (¹⁴C – 7 600 years)





Subbottom profile across Romanian shelf/slope showing ancient shoreline unconformity



Core from the Romanian continental slope showing marine clay overlying lacustrine clay



Mytilus galloprovincialis ~6800 year old salt water mollusk



Dreissena rostriformis ~7400 year old fresh water mollusk Fig. 9d. The contrast boundary of the Flood by mollusk fauna and lithologic features

Core and subbottom profile from the continental slope. The upper shell represents the Mediterranean species that invaded the Black Sea after a catastrophic flooding event that wiped out preexisting fresh water fauna (lower shell). Mytilus is found in the more recent marine sediments, whereas Dreissena is found in the lake sediments.

Chapter 3

Hydrogen Sulfide – the

Curse of God

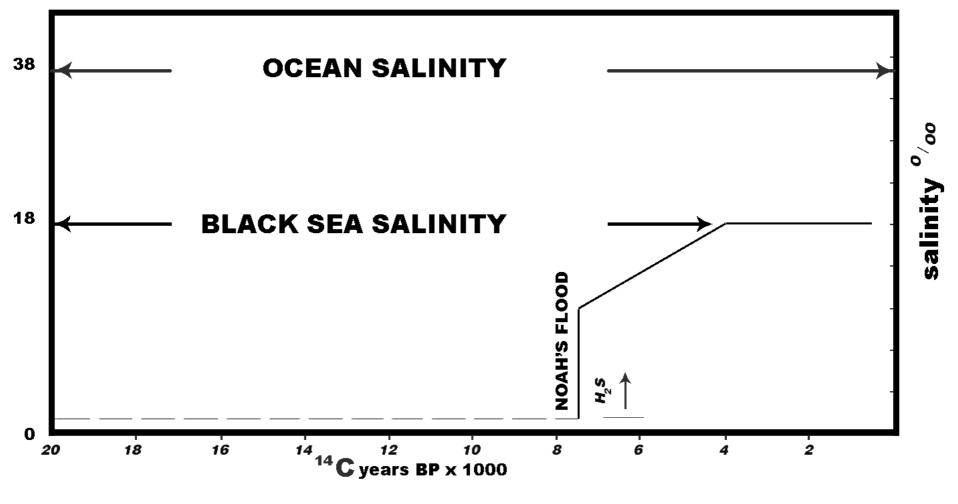


Fig.13. The connection between the catastrophic events (the Flood) and the formation of hydrogen sulfide

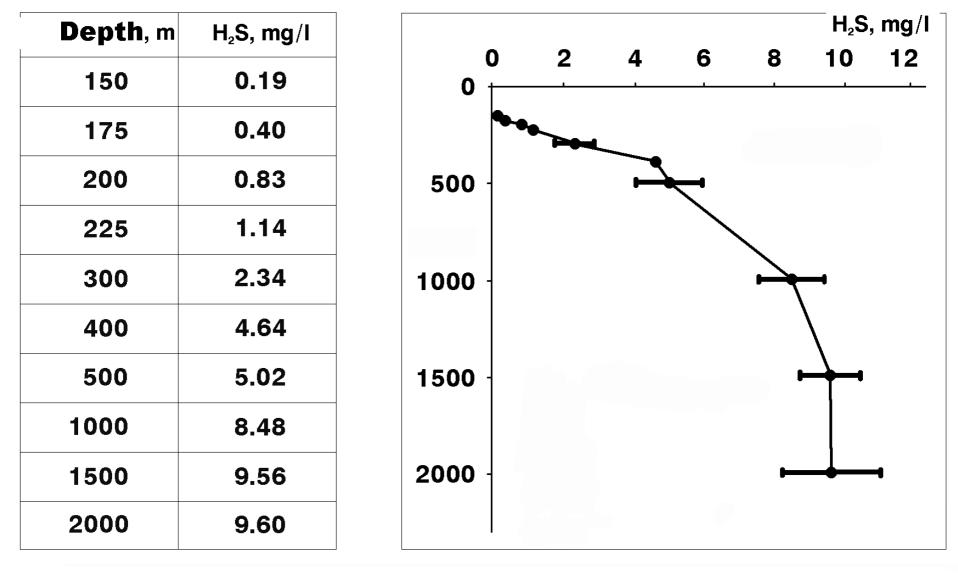


Fig. 23. Average vertical profile of the hydrogen sulfide concentration in the Black Sea (*Eremeev et all, 1999*)

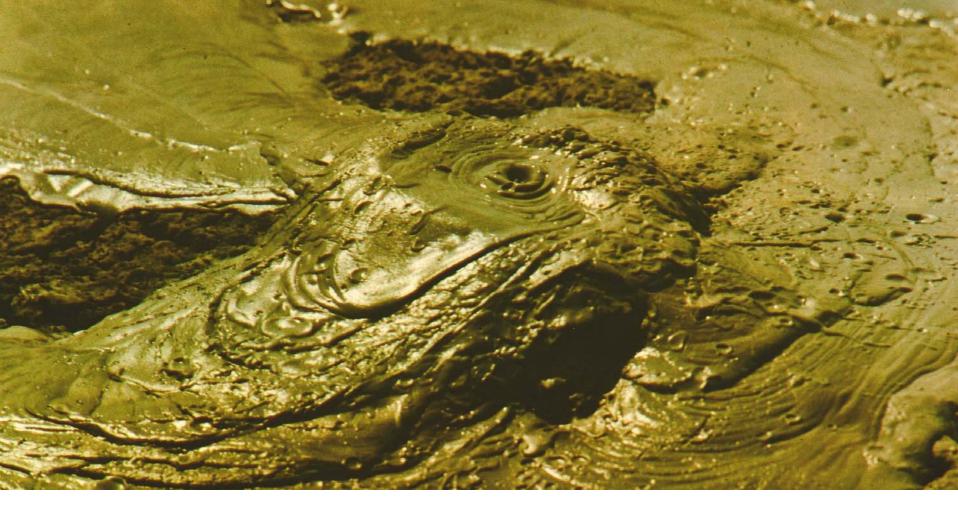
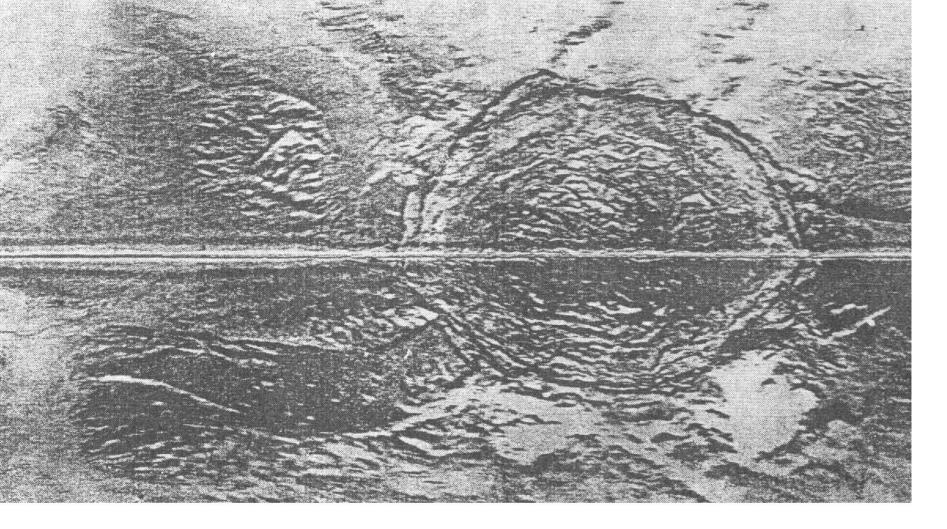
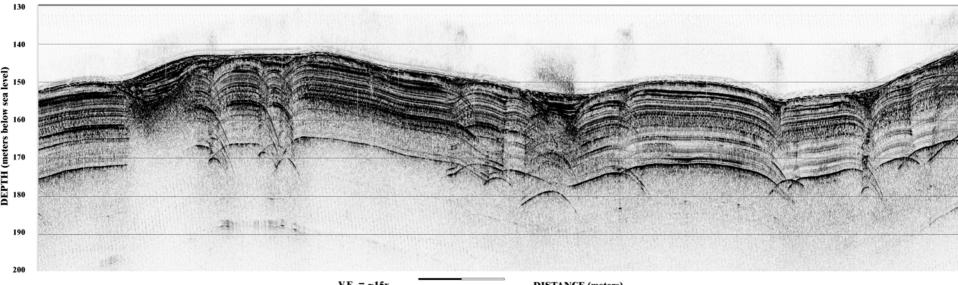


Fig.15a. Mud volcano on the Crimea peninsula



BLACK SEA MUD VOLCANOES (SIDE SCAN SONAR) depth 2000m

AREA I - LINE 13 - Ancient Provodiskya River Delta



V.E. = $\sim 15x$ 0 150 300 DISTANCE (meters)

Fig.16. Gas fountains on the Black Sea seafloor (the paleo-valley of the Provadijska River)

Chapter 4

The Black Sea Coast and

Shelf – a Center of

Flourishing pre-Flood

Civilizations

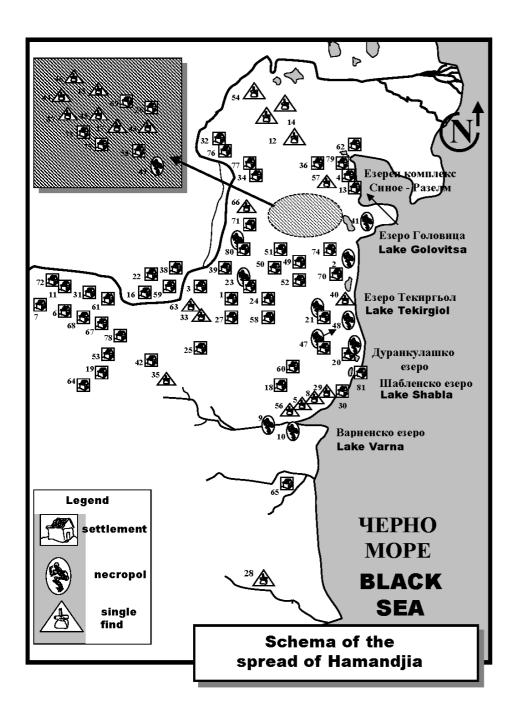


Fig.17. Schema of the spread of Hamandjia culture in Dobroudja (6,000-5,000 BC, T. Dimov et. all, 1992)

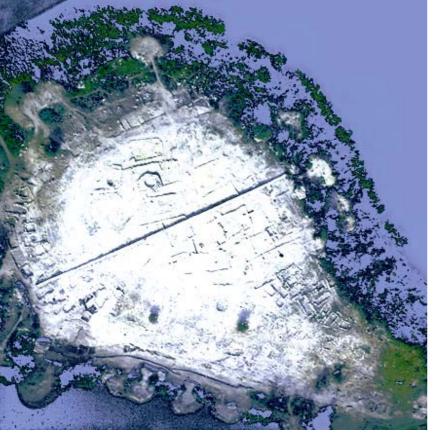




Fig.18a. A settlement hill of the Big island in the Durankulak Lake (aero picture T. Dimov)

Fig.18b. The oldest stone architecture in Europe (5,000 BC, picture T. Dimov)



Fig.18c. Graphical reconstruction of lodgings with stone base (5,000 BC, author T. Dimov, artist Ulia Gerova)



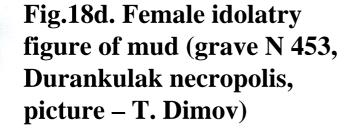


Fig.18e. Antropomorphic mud vessel (Durankulak necropolis, picture – T. Dimov)

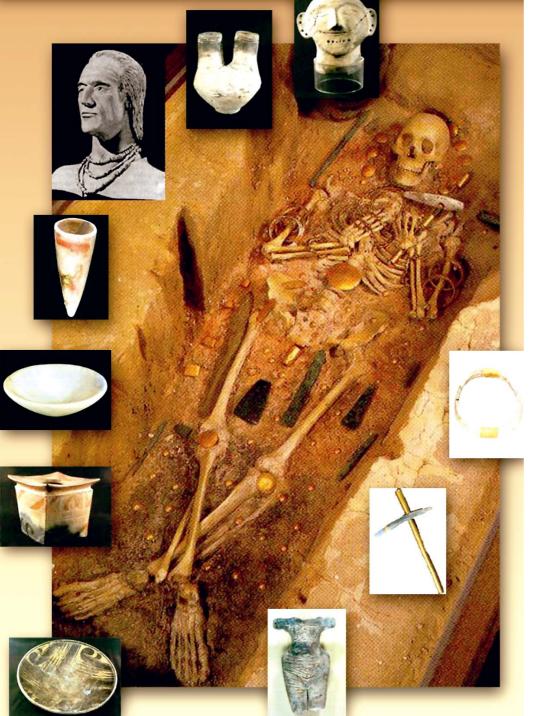


Fig.19. Cult items of gold, copper and mud (5,000 BC, Varna culture, Varna necropolis, grave N43c



Fig.20a.Remains of Neolith settlements in the Black Sea bottom in the region of Synop (underwater picture)

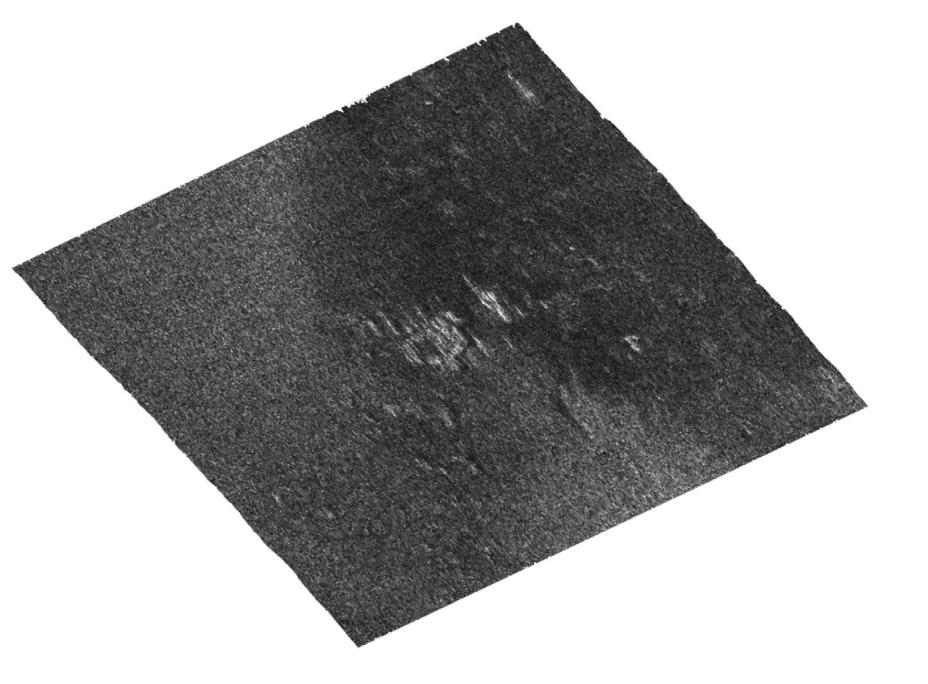


Fig.20b. Possible remains of neolith settlements in the old shorelines – 115 m depth (sonar picture)

Chapter 5

About the names of the

Black Sea



Fig.21. The supposed route of Gilgamesh through the "Sea of Death"





Fig.22.The Argonauts' ship "Argus" (engraving) Fig.23. A map of the Black Sea (Albino de Canepa, 1498)

Chapter 6

The Black Sea – a Key to

the World Flood

Mystery

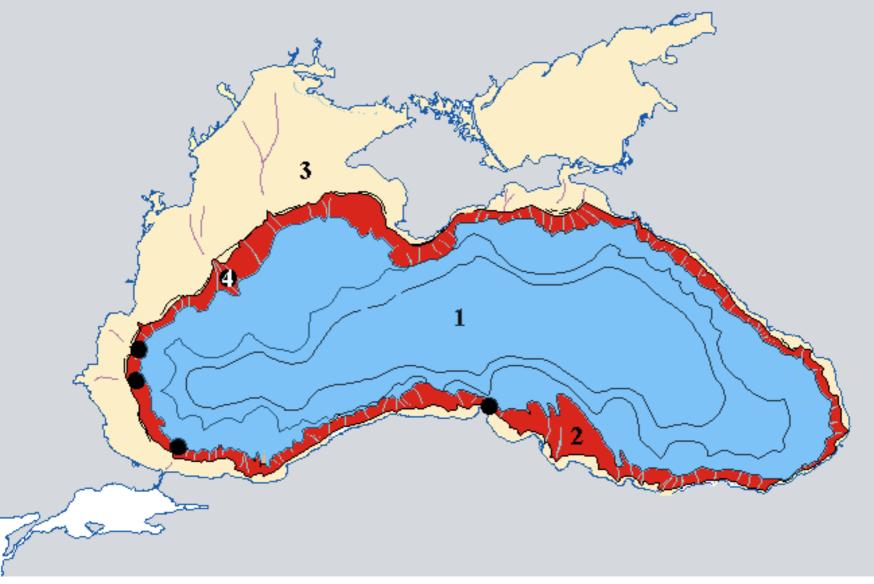


Fig.24. Paleo- geographic schema of the old Black Sea shorelines

- 1. Sea-lake
- 2. **Pre-Flood shorelines of the Black Sea**
- **3.** The Black Sea after the Flood
- 4. Possible settlements before the Flood

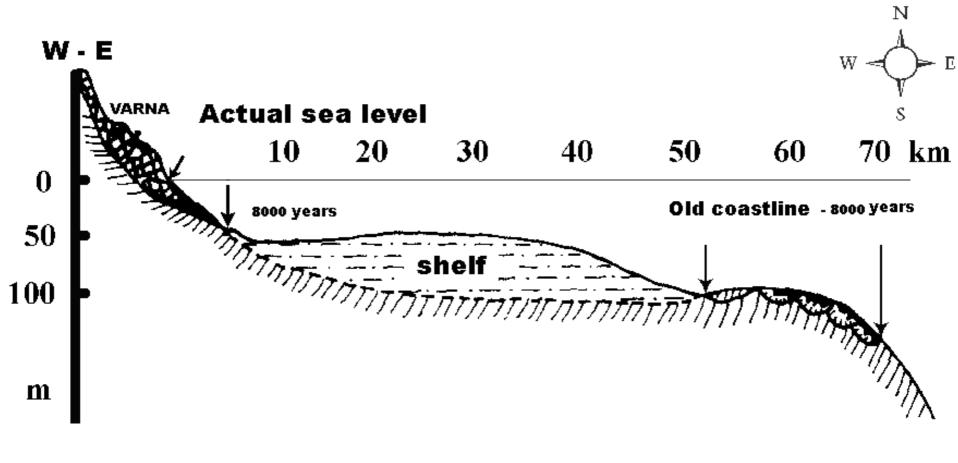


Fig. 25. Profile of the shelf and the course of the catastrophic geological events during the last 8,000 years



Fig.26. If the sea inhabitants could have talked about the Flood....



Fig.27a. "the Noah's plate" – general view

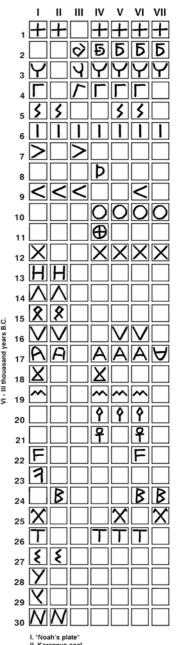


Fig.27b.Symbols on the back side of the plate

Comparative analysis of the signs on an underwater archaeological target from Neolith /"Noah's plate"/ and their connection with those of the ancient civilizations.

Fig.28. Correlation of the symbols:

I – the Noah's plate II – Karanovo seal III – tablets from Gradeshnitza IV – Magurata inscription V – Sumerian writing VI – Egyptian writing VII – Indian writing



I. "Noah's plate" II. Karanovo seal III. Gradeshnitsa table IV. Magura cave V. Shoumerian VI. Egypt

VII. India

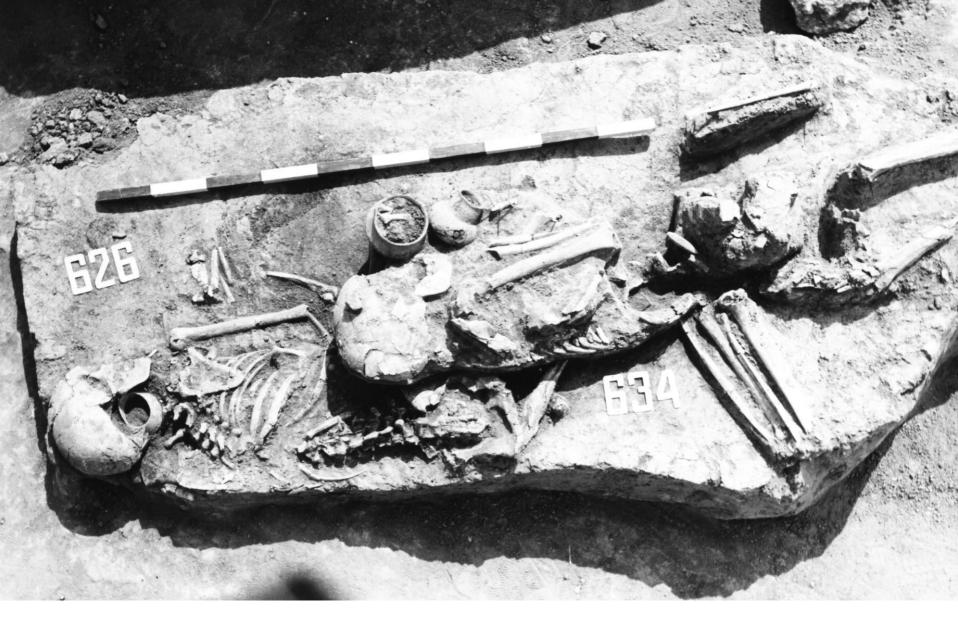


Fig.29. Graves N626 and N634 from the ancient Durankulak necropolis (6,000 – 5,000 BC, T. Dimov)



Fig.30. Reconstruction of the Bosporus sill

Chapter 6

The Sumerian Epic and the Bible Myths



Fig.35a. "The construction of the ark" (Richard and Francis Hook)

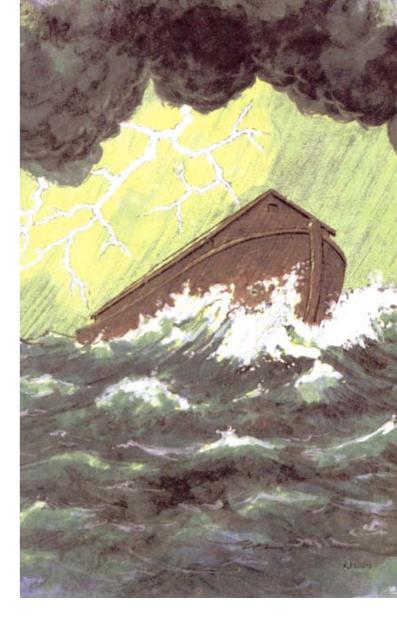


Fig.35b. "The Ark" in the waves of the Sea of Death (Richard and Francis Hook)







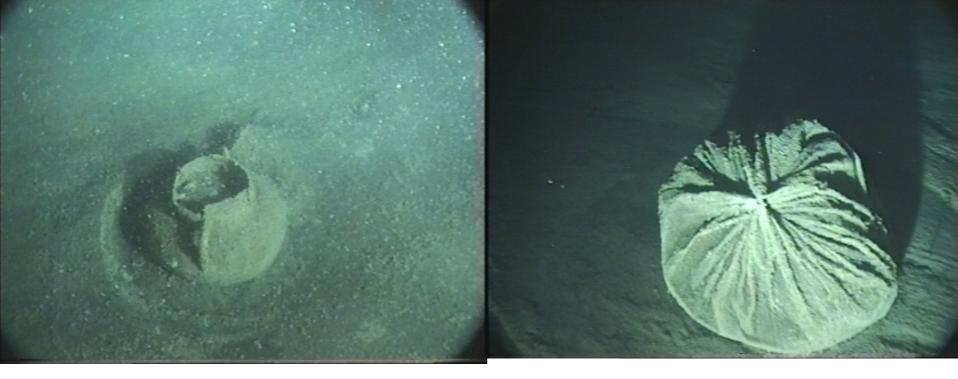


Fig. 36, a,b,c,d – flotsam on the Black Sea bottom



Fig.37. Ancient shipwrecks (XVI century) – underwater picture



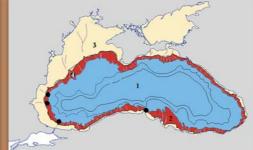
Fig. 38. Amphorae on the Black Sea bottom (shipwreck V-III AD) – underwater picture



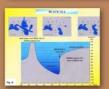


Fig. 39. Amphorae on board of the Academic ship – drawn out with the submersible PC-8 (V-III AD)



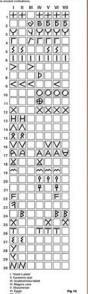


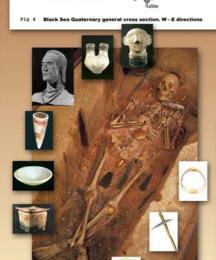
a - tragmente b - graval gre











1 P . Erosive Boundar

2 530. Halacene

3 0. Necessin

4 . Middle Pielst

SEEO Lewer Plaint





A Greek Period Shipwreck off Varna, Bulgaria

Dwight F. Coleman **Robert D. Ballard** URI Graduate School of Oceanography and Institute for Exploration, Mystic, CT

Fredrik T. Hiebert University of Pennsylvania Museum of Archaeology and Anthropology

> **Petko Dimitrov Bulgarian Academy of Sciences** Institute of Oceanology



Bulgarian Academy of Sciences Research Vessel Akademik



Video still image of the amphora pile.

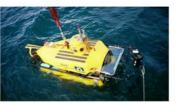
River catfish bones that indicate fish that were over 2 meters in length, were found inside the amphora. Cut marks as well as fragile spines preserved in the flesh of fish, indicate that large chunks of fish most likely salt-fish, were being transported in these large amphora. In addition to fish bones, an olive pit was found inside the amphora.



A contemporary (4th c. BC) painted amphora from Greece depicts salt fish preparation. Here, two individuals process the fish removing the low-value parts (heads, tails) leaving "fish steaks" which could be easily transported inside the amphorae.

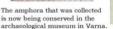
EXPLSRE

With support from NOAA's Ocean Exploration Initiative and the National Geographic Society, we explored the Western Black Sea off Bulgaria and Romania for wellpreserved ancient shipwrecks and potential sites of prehistoric human occupation on the continental shelf. In 2001, using a side-scan sonar and subbottom profiler, we mapped the undersea geology and collected a number of sediment cores. In 2002, we explored several significant sonar targets using the Bulgarian research submersible PC-8B. In addition to the discovery of several well preserved Ottoman shipwrecks, a shipwreck containing a cargo of amphora from the Hellenistic Period was discovered. A single amphora was collected and the sediment from inside the amphora was analyzed. This shipwreck tells an interesting story of Black Sea trade during the 5th to 3rd centuries BC.



The 3-person submersible PC-8B, equipped with a scanning sonar, lights, an underwater video camera, and manipulator, is capable of diving to depths of 250 meters.





The typology of amphorae from Sinop, Turkey, includes types which are very similar to that found on this shipwreck. Ceramic petrography of the amphora from the shipwreck includes black sand temper, typical of Sinop amphora production .



In the Sinop museum, several amphorae from Sinop (4th-3rd c. BC) are on display, which are similar to that found off Bulgaria.



The large, "industrial size" amphora that was recovered from this pile is

made of fine buff colored clay with

coarse black sand temper, typical of

Sonar target of amphora pile collected by ECHO, a dual frequency subbottom profiling side scan sonar. The target

size is 11m by 6m.

NATIONAL GEOGRAPHIC SOCIETY

arrows represent general flow of the Sea's two gyres, which are likely to represent the path of an ancient trade route between northern Turkey and the Crimea peninsula. Ancient mariners could have followed the northward flow of the western gyre from the Sinop region to the Crimea.





Map of the Black Sea. Middle

