

SYLLABUS: PRECLASSICAL SEAFARING

ANTH 612-600

SPRING 2006

Thursdays 9:35 AM – 12:25 AM

ANTH Room 209 (CSFA)

Instructor: Shelley Wachsmann, Ph.D.

Nautical Archaeology Program
Department of Anthropology
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Office hours: Wednesdays, 3-5 PM. Generally, I am in my office (Room 122 in the INA Offices) on most weekday afternoons. Feel free to drop by. If you want to confirm a meeting, I can be reached at telephone (W) 979-847-9257 or (H) 979-691-4606, or via e-mail at <<swachsmann@tamu.edu>>.

SCHEDULE SPRING 2003

- (1) January 19th: *An Introduction*
- (2) January 26th: *Reflections on the Evidence*
- (3) February 2nd: *On the Trail of the Earliest Mediterranean Seafarers*
- (4) February 9th: *Egyptian Seafaring*
- (5) February 16th: *Syro-Canaanite Seafaring*
- (6) February 23rd: *Cypriot (Alashian?) Seafaring**
- (7) March 2nd: *Minoan/Cycladic Ships & Seafaring*
- (8) March 9th: *Mycenaean/Achaean Seafaring*

Spring Break (March 13th-17th)

- (9) March 23rd: *Sea Peoples Seafaring*
- (10) March 30th: *Bronze Age Shipwrecks*
- (11) April 6th: *Ship Construction*
- (12) April 13th: *Navigation*
- (13) April 20th: *Varia*
- (14) April 27th: *Reports on Seminar Papers*

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* Class to be rescheduled.

System of grading

Grades in this course will be based 50 percent on the student's class participation and 50 percent on a term paper, to be submitted at the end of the year.

The seminar paper

The choice of a topic for your paper is yours and I am open to any and all reasonable proposals as long as they fit within the chronological (to *ca.* 1100 B.C.) and geographical limits of the seminar and have something to do with seafaring. The paper should be carefully researched, using primarily original sources and focused on a well-defined topic. Indicate the journal/style that you are using in the first footnote. Papers are due in my office mailbox no later than 5:00 PM on Tuesday, May 2nd, which is the last day of classes of the semester. **A student submitting a paper after this will be automatically docked a grade.**

As topic selection can be a difficult process, and lead to procrastination, I encourage you to look over the material that we will cover and select a topic early in the semester. Please drop by to discuss your topic ideas with me. You will be expected to submit to me a 250-word abstract together with a preliminary bibliography no later than our fifth meeting (February 16th). Remember, deadlines are our friends.

Electronic Course Reserves

Many of the readings, as well as the syllabus, are now on Electronic Course Reserves and can be downloaded as pdf (Acrobat) files. Those documents available are highlighted in the bibliographies below.

The Americans with Disabilities Act (ADA)

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the Office of Support Services for Students with Disabilities in Room 126 of the Koldus Services Building, or call 845-1637.

Social Security Numbers

It is no longer legal to use a student's Social security number for posting grades. For that reason each student will receive a special class ID number.

GENERAL READING

- Aharoni, Y., M. Avi-Yonah, A. F. Rainey, *et al.*, 1993. *The Macmillan Bible Atlas*. New York, Macmillan Publishing Company.
- Bass, G. F., ed. 1972. *A History of Seafaring Based on Underwater Archaeology*. New York, Walker and Company.
- Basch, L., 1987. *Le musée imaginaire de la marine antique*. Athens, Hellenic Institute for the Preservation of Nautical Tradition.
- Casson, L., 1995. *Ships and Seamanship in the Ancient World*. Baltimore, John Hopkins University Press.
- Pomey, P., ed. 1997. *La navigation dans l'antiquité*. Aix-en-Provence, Édisud.
- S. Wachsmann, S., 1998. *Seagoing Ships and Seamanship in the Bronze Age Levant*. College Station.

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ABBREVIATIONS

- ABSA* *Annual of the British School at Athens*
- AJA* *American Journal of Archaeology*
- Amarna* W.L. Moran, ed. and trans., 1992. *The Amarna Letters*. Baltimore.
- ANET* Ed. J.B. Pritchard, J.B., 1969. *Ancient Near Eastern Texts Relating to the Old Testament*. (Third edition with Supplement). Princeton.
- AOAT* *Alter Orient und Altes Testament*
- AS* *Anatolian Studies*
- EAL* W. V. Davies and L. Schofield, eds. 1995. *Egypt, the Aegean and the Levant: Interconnections in the Second Millennium BC*. London, British Museum Press.
- Flood* Ryan, W. B. F. and W. C. Pitman, III, 1998. *Noah's Flood: The New Scientific Discoveries about the Event that Changed History*. New York.
- BASOR* *Bulletin of the American Schools of Oriental Research*
- IEJ* *Israel Exploration Journal*
- JAOS* *Journal of the American Oriental Society*
- JCS* *Journal of Cuneiform Study*
- JEA* *Journal of Egyptian Archaeology*
- JMA* *The Journal of Mediterranean Archaeology*
- JNES* *Journal of Near Eastern Studies*
- MIMA* Basch, L., 1987. *Le musée imaginaire de la marine antique*. Athens, Hellenic Institute for the Preservation of Nautical Tradition.
- MM* *Mariner's Mirror*
- Navy* Säve-Söderbergh, T., 1946. *The Navy of the Eighteenth Egyptian Dynasty*. Uppsala.
- OJA* *Oxford Journal of Archaeology*
- OLA* *Orientalia Lovaniensia Analecta*
- PAP* *Proceedings of the American Philosophical Society*
- PPS* *Proceedings of the Prehistoric Society*
- RDAC* *Report of the Department of Antiquities, Cyprus*

- Res Mycenaee* A. Heubeck and G. Neumann, eds., 1983. *Res Mycenaee*. (Akten des VII. Internationalen Mykenologischen Kolloquiums in Nürnberg vom 6.-10. April 1981. Göttingen.
- RM* Swiny, S., R. L. Hohlfelder and H. W. Swiny, eds., 1997. *Res Maritimae: Cyprus and the Eastern Mediterranean from Prehistory to Late Antiquity. Proceedings of the Second International Symposium "Cities on the Sea" (Nicosia, Cyprus, October 18-22, 1994)*. (Cyprus American Archaeological Research Institute Monograph Series, Vol. 1). Atlanta, Scholars Press.
- S³IBAL* S. Wachsmann, S., 1998. *Seagoing Ships and Seamanship in the Bronze Age Levant*. College Station.
- Sandy Pylos* J.L. Davis, ed. 1998. *Sandy Pylos: An Archaeological History from Nestor to Navarino*. Austin, University of Texas Press.
- Sea Peoples* E.D. Oren, ed. 2000. *The Sea Peoples and Their World: A Reassessment*. (University Museum Monograph 108: University Museum Symposium Series 11). Philadelphia, The University Museum.
- SSAW* Casson, L., 1995. *Ships and Seamanship in the Ancient World*. Baltimore, John Hopkins University Press.
- Steffy* Steffy, J. R., 1994. *Wooden Ship Building and the Interpretation of Shipwrecks*. College Station, Texas A&M Press.
- TAM* Casson, L., 1991. *The Ancient Mariners*. Second Edition. Princeton.
- Thalassa* R. Laffineur and L. Basch, eds. 1991. *Thalassa: L'Égée préhistorique et la mer*. (Actes de la troisième Rencontre égéenne internationale de l'Université de Liège, Station de recherches sous-marines et océanographiques [StaReSO], Clavi, Corse [23-25 avril 1990]). Liège.
- Thalassocracy* *Minoan Thalassocracy: Myth and Reality, The*. (Proceedings of the Third International Symposium at the Swedish Institute in Athens, 31 May-5 June, 1982). Eds. R. Hägg and N. Marinatos. Stockholm. 1984.
- Thera 3/1* Hardy, D.A., ed. 1990. *Thera and the Aegean World III. Vol. 1: Archaeology*. (Proceedings of the Third International Congress, Santorini, Greece, 3-9 September 1989). London.
- Thera 3/3* Hardy, D.A., ed. 1990. *Thera and the Aegean World III. Vol. 3: Chronology*. (Proceedings of the Third International Congress, Santorini, Greece, 3-9 September 1989). London.
- Transition* S. Gitin, A. Mazar and E. Stern, eds., 1998. *Mediterranean Peoples in Transition: Thirteenth to Early Tenth Centuries BCE*. (In Honor of Professor Trude Dothan). Jerusalem.
- Tropis 2* *Tropis II. Second International Symposium on Ship Construction in Antiquity (Delphi 27-29 August 1987)*. H. E. Tzalas, ed. Athens, Hellenic Institute for the Preservation of Nautical Tradition.

Tropis 3

Tropis III. Third International Symposium on Ship Construction in Antiquity (Athens, 24-27 August, 1989). H. Tzalas, ed. Athens, Hellenic Institute for the Preservation of Nautical Tradition

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CHRONOLOGY

Time is what keeps everything from happening at once.

From the internet

- Aharoni, Y. and M. Avi-Yonah, 1993. *The Macmillan Bible Atlas*. Completely Revised Third Edition by A.F. Rainey and Z. Safrai. New York: 201-203.
- Bouzek, J., 1985. *The Aegean, Anatolia and Europe: Cultural Interrelations in the Second Millennium B.C.* (SIMA 39): 17.
- Dickinson, O., 1994. *The Aegean Bronze Age*. Cambridge: 9-22.
- Hankey, V., 1987. The Aegean Late Bronze Age: Relative and Absolute Chronology. In: *High, Middle, or Low? (Acts of an International Colloquium on Absolute Chronology Held at the University of Gothenburg, August 20-22, 1987)* II. Ed. P Åström. (SIMAL: Pocketbook 57). Gothenburg: 38-59.
- Karageorghis, V., 1982. *Cyprus: From the Stone Age to the Romans*. London: 9-10.
- Kitchen, K.A., 1987. The Basics of Egyptian Chronology in Relation to the Bronze Age. In: *High, Middle, or Low? (Acts of an International Colloquium on Absolute Chronology Held at the University of Gothenburg, August 20-22, 1987)* I. Ed. P Åström. (SIMAL: Pocketbook 57). Gothenburg: 37-55.
- Mazar, A., 1990. *Archaeology of the Land of the Bible: 10,000-586 B.C.E.* New York: 30.
- Stern, E., ed. 1993. *The New Encyclopedia of Archaeological Excavations in the Holy Land* 4. Ed. E. Stern. Jerusalem: 1530-1533.

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AN INTRODUCTION

SESSION 1 (JANUARY 22ND)

Sailing in the sea, beginning the goodly way...

BAR II § 253

GENERAL

Here's what we are going to do...

Preparation for each session

On writing your seminar paper

On plagiarism

Date for submission of seminar paper synopsis

Date for submission of seminar papers

ON WRITING

The Chicago Manual of Style. Fourteenth Edition, Revised and Expanded. Chicago. 1993.

Flesch, R.F., 1949. *The Art of Readable Writing*. New York.

Hacker, D., 1988. *Rules for Writers: A Concise Handbook*. New York. (Pp. 444-454, Logic in Argumentative Essays.)

Hodder, I., 1989. Writing Archaeology: Site Reports in Context. *Antiquity* 63: 268-274.

Provost, G., 1990. *Make Your Words Work*. Cincinnati.

Strunk, W., Jr. and E.B. White, 1979. *The Elements of Style*. Third Edition. London.

Tichy, H.J., 1966. *Effective Writing for Engineers, Managers and Scientists*. New York.

REFLECTIONS ON WRITING

Orwell's Law of Language¹: The great enemy of clear language is insincerity. When there is a gap between one's real and one's declared aims, one turns as it were instinctively to long words and exhausted idioms, like a cuttlefish squirting out ink...

Orwell suggested six rules to improve one's writing:

- ❑ Never use a metaphor, simile or other figure of speech which you are used to seeing in print.
- ❑ Never use a long word where a short one will do.
- ❑ If it is possible to cut a word out, always cut it out.
- ❑ Never use the passive where you can use the active.

¹H. Rawson, 1997. *Unwritten Laws: The Unofficial Rules of Life as Handed Down by Murphy and Other Sages*. New York: 174-175.

- ❑ Never use a foreign phrase, a scientific word, or a jargon word if you can think of an everyday English equivalent.
- ❑ Break any of these rules sooner than say anything outright barbarous.

ASSIGNMENT: SEAFARING IN WENAMUN

The eleventh-century B.C. Tale of Wenamun is packed with references pertinent to contemporary seafaring. Read the tale and mark *all* references pertaining to seafaring in the Tale of Wenamun. *After* you have collected all details, check under 'Wenamun' in *S³IBAL*'s index for pertinent passages you might have missed. We will discuss this at the beginning of next class.

ANET: 25-29 (Tale of Wenamun).

Casson, L., 1991. *The Ancient Mariners*. Second Edition. Princeton: 46-54.

Egberts, A., 1991. The Chronology of *The Report of Wenamun*. *JEA* 77: 57-67.

Goedicke, H., 1975. *The Report of Wenamun*. Baltimore.

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REFLECTIONS ON THE EVIDENCE**SESSION 2**

Ceci n'est pas une pipe.

Caption in Magritte's *Les deux mystère*

GENERAL READING

Bouzek, J., 1985. *The Aegean, Anatolia and Europe: Cultural Interrelations in the Second Millennium B.C. (SIMA 39)* Göteborg: 15-17. (The Methodological Approach).

S³IBAL: 3-5.

Tzalas, H., 1990. "Kyrenia" II in the Fresco of Pedoula Church, Cyprus: A Comparison with Ancient Ship Iconography. *Tropis 2*: 323-327.

Wachsmann, S., 1987. *Aegeans in the Theban Tombs. (OLA 20)*. Leuven: 1-26.

TEXTS

Amarna: XIII-XXXIX (introduction to the Amarna Letters), L (map of the world reflected in the Amarna Letters).

Thomas, C.G., 1998. Searching for the Historical Homer. *Odyssey 1/1*: 26-33, 70.

SHIP ICONOGRAPHY AND THE METHODOLOGY OF INTERPRETATION

Basch, L., 1976. One Aspect of the Problems which Arise From the Interpretation of Representations of Ancient Ships. *MM 62*: 231-233.

Basch, L., 1987. The Interpretation of Ship Representations in Profile. *MM 73*: 198-200.

Bouzek, J., 1985. *The Aegean, Anatolia and Europe: Cultural Interrelations in the Second Millennium B.C. (SIMA 39)* Göteborg: 15-17. (The Methodological Approach).

Coates, J.F., 1985. Interpretation of Ancient Ship Representations. *MM 73*: 197.

S³IBAL: 3-5.

Tzalas, H., 1990. "Kyrenia" II in the Fresco of Pedoula Church, Cyprus: A Comparison with Ancient Ship Iconography. *Tropis 2*: 323-327.

EGYPTIAN ART 1

Schäfer, H., 1974. *Principals of Egyptian Art*. Trans. J. Baines. Oxford: 1-159.

EGYPTIAN ART 2

Brunner-Traut, E., 1986. Aspective. In: H. Schäfer, H. *Principals of Egyptian Art*. Trans. J. Baines. Oxford: 421-446.

Kantor, H.J., 1957. Narration in Egyptian Art. *AJA 61*: 44-54, pls. 11-16.

Wachsmann, S., 1987. *Aegeans in the Theban Tombs. (OLA 20)*. Leuven: 1-26.

REFLECTIONS

Holmes's First Law

Eliminate all other factors, and the one that remains will be the truth. (From *The Sign of the Four*).²

Holmes's Second Law

It is a capital mistake to theorize before one has data. (From *A Scandal in Bohemia*).³

Paster's Observation

In the field of observation, chance favors only the prepared mind.⁴

Occam's razor

A scientific and philosophic rule that entities should not be multiplied unnecessarily which is interpreted as requiring that the simplest of competing theories be preferred to the more complex, or that explanations of unknown phenomena be sought first in terms of known quantities.

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²Ibid.: 116.

³Ibid.

⁴Ibid.: 183.

ON THE TRAIL OF THE EARLIEST MEDITERRANEAN SEAFARERS**SESSION 3**

Some went down to the sea in ships...

Psalm 107: 23

GENERAL READING

- Bascom, W., 1976. *Deep Water, Ancient Ships: The Treasure Vault of the Mediterranean*. Garden City, Doubleday & Company, Inc.: 32-38.
Flood: 73-92.
S³IBAL: 41, 69.
- Redford, D.B., 1992. *Egypt, Canaan, and Israel in Ancient Times*. Princeton: 3-28.
- Tzallas, H. 1995. On the Obsidian Trail: With a Papyrus Craft in the Cyclades. *Tropis* 3: 441-469. (Note select bibliography on Franchthi Cave, pp. 459-462).

THE MEDITERRANEAN

- Cherry, J.F., 1981. Pattern and Process in the Earliest Colonization of the Mediterranean Islands. *PPS* 47: 41-68.
- Cherry, J.F., 1990. The First Colonization of the Mediterranean Islands: A Review of Recent Research. *JMA* 3: 145-221.

CYPRUS

- Flood*: 73-92.
- Karageorghis, V., 1982. *Cyprus: From the Stone Age to the Romans*. London: 16-39.
- Simmons, A.H., 1988. Test Excavations at Akrotiri-Aetokremnos (Site E), An Early Prehistoric Occupation in Cyprus: Preliminary Report. *RDAC* (Part I): 15-24.
- Simmons, A.H., 1991. Humans, Island Colonization and Pleistocene Extinctions in the Mediterranean: The View from Akrotiri Aetokremnos, Cyprus. *Antiquity* 65: 857-869.
- Simmons, A.H. and D.S. Reese, 1993. Hippo Hunters of Akrotiri. *Archaeology* 40-43.

THE AEGEAN

- Broodbank, C., 2000. *The Island Archaeology of the Early Cyclades*. Cambridge, Cambridge University Press: 92-143.
- Broodbank, C. and T.F. Strasser, 1991. Migrant Farmers and the Neolithic Colonization of Crete. *Antiquity* 65: 233-245.
- Davis, J.L., 1992. Review of Aegean Prehistory I: The Islands of the Aegean. *AJA* 96: 699-756. [Read the parts dealing with the period prior to the Bronze Age]
- Tichy, R., 2001. *Expedice Monoxylon: Procházíme z mladší doby Kamenné*. Hradec Králové, Společnost experimentální archeologie Hradec Králové a JB Production. (*Monoxylon Expeditions: Our Journey from the Neolithic*). (English Summary: 185-222).

- Tzallas, H. 1995. On the Obsidian Trail: With a Papyrus Craft in the Cyclades. *Tropis* 3: 441-469. (Note select bibliography on Franchthi Cave, pp. 459-462). (Located in E-Reserves under Navigation [12]).
- Tzamtzis, A.I., 1990. "Papyrella": Remote Descendant of a Middle Stone Age Craft? *Tropis* 2: 329-332.
- van Andel, T.H., and C.N. Runnels, 1988. An Essay on the 'Emergence of Civilization' in the Aegean World. *Antiquity* 62: 234-247.

THE FLOODING OF THE BLACK SEA

- Ballard, R. D., 2001. Deep Black Sea. *National Geographic Magazine* 199(5): 52-69.
- Ballard, R. D. and M. McConnell, 2001. *Adventures in Ocean Exploration: From the Discovery of the Titanic to the Search for Noah's Flood*. Washington: 30-43.
- Bascom, W., 1976. *Deep Water, Ancient Ships: The Treasure Vault of the Mediterranean*. Garden City, Doubleday & Company, Inc.: 32-38.
- Flood.*

THE EGYPTIAN/MESOPOTAMIAN CONNECTION

- Bénédite, G., 1916. Le couteau de Gebel-el-'Arak. *Monuments et mémoires publiés par l'Académie des Inscriptions et Belles Lettres*. Fondation Eugene Piot 22: 1-34.
- Case, H. and J.C. Payne, 1962. Tomb 100: The Decorated Tomb at Hierakonpolis. *JEA* 48: 5-18.
- Landström, B., 1970. *Ships of the Pharaohs*. Garden City: pp. 9-25. [NB. Be wary of the author's reconstructions.]
- Frankfort, H., 1941. The Origin of Monumental Architecture in Egypt. *AJSLL* 58: 329-358.
- Mark, S.E., 1997. *From Egypt to Mesopotamia: A Study of Predynastic Trade Routes*. College Station. *MIMA*: 55-62.
- Redford, D.B., 1992. *Egypt, Canaan, and Israel in Ancient Times*. Princeton: 3-28. *SSAW*: 11-29.
- Vinson, S.M., 1987. Boats of Egypt Before the Old Kingdom. (Unpublished MA thesis: Texas A&M University)
- Williams, B. and T.J. Logan, 1987. The Metropolitan Museum Knife Handle and Aspects of Pharaonic Imagery Before Narmer. *JNES* 46: 245-85.
- Winkler, H.A., 1938-1939. *The Rock Drawings of Southern Upper Egypt I-II*. London.

PLEISTOCENE SEAFARING

- Bednarik, R. G., 1997. The Earliest Evidence of Ocean Navigation. *IJNA* 26(3): 183-191.
- Bednarik, R.G., 1998. Mariners of the Pleistocene. *INA Quarterly* 25/3: 7-15.

EGYPTIAN SEAFARING**SESSION 4**

Sailing, arriving in peace, journeying to Thebes with joy of heart..

BAR II: § 266

GENERAL READING

Redford, D.B., 1992. *Egypt, Canaan, and Israel in Ancient Times*. Princeton: 3-237.
S³IBAL: 9-38, 256-262.

HISTORICAL BACKGROUND

Redford, D.B., 1992. *Egypt, Canaan, and Israel in Ancient Times*. Princeton: 3-237.

EARLY DYNASTIC AND OLD KINGDOM VESSELS

Haldane, C.W., 1992. "A Pharaoh's Fleet." Early Dynastic Hulls from Abydos. *INA Quarterly* 19/2: 12-13.

Hornell, J., 1939-1940. The Frameless Boats of the Middle Nile I-II. *MM* 25: 417-432;
26: 125-144.

Jenkins, N., 1980. *The Boat Beneath the Pyramid*. London.

Lipke, P., 1984. *The Royal Ship of Cheops*. (BARIS CXXV). Greenwich.

Miller, P., 1988. Riddle of the Pyramid Boats. *National Geographic Magazine* 173: 534-550.

MIMA: 55-62.

O'Connor, D., 1991. Boat Graves and Pyramid Origins. *Expedition* 33/3: 5-17.

Rogers, E.M., 1992. Boat Reliefs in the Tomb of Ti and Mastaba of Mereruka. *INA Quarterly* 19/3: cover, 8-11.

SSAW: 16-22.

Steffy: 23-33.

Ward, C. A., 2000. *Sacred and Secular: Ancient Egyptian Ships and Boats*.
(Archaeological Institute of America Monograph New Series, Number 5.)
Philadelphia, Kendall/Hunt Publishing: 39-80.

EGYPTIAN SEAGOING SHIPS/PUNT

Faulkner, R.O., 1940. Egyptian Seagoing Ships. *JEA* 26: 3-9 and pls. II-IV.

Landström, B., 1970. *Ships of the Pharaohs*. Garden City: 122-127.

Navy: 8-30.

Kitchen, K.A., 1971. Punt and How to Get There. *Orientalia* 40: 184-207.

S³IBAL: 9-29.

EGYPTIAN ANCHORS

Basch, L., 1985. Anchors in Egypt. *MM* 71: 453-467.

Basch, L., 1994. Some Remarks on the Use of Stone Anchors and Pierced Stones in Egypt. *IJNA* 23: 219-227.

- Frost, H., 1979. Egypt and Stone Anchors: Some Recent Discoveries. *MM* 65: 137-161.
- Nibbi, A., 1984. Ancient Egyptian Anchors: A Focus on the Facts. *MM* 70: 247-266.
- Nibbi, A., 1992. A Group of Stone Anchors from Mirgissa on the Upper Nile. *IJNA* 21: 259-267.
- S³IBAL*: 255-262.
- Sayed, A.M.A.H., 1977. Discovery of the Site of the 12th Dynasty Port at Wadi Gawasis on the Red Sea Shore (Preliminary Report on the Excavations of the Faculty of Arts, University of Alexandria, in the Eastern Desert of Egypt - March 1976). *Revue d'Égyptologie* 29: 140-178.
- Sayed, A.M.A.H., 1980. Observations on Recent Discoveries at Wâdî Gâwâsîs. *JEA* 66: 154-157, pls. XXI-XXII.

EGYPT IN ASIA DURING THE NEW KINGDOM & EXPEDITIONS TO SINAI

- Gardiner, A., 1917. The Tomb of a Much-Traveled Theban Official. *JEA* 4: 28-38, pls. VI-VII.
- Nibbi, A., 1979. Some Remarks on the Assumption of Ancient Egyptian Sea-Going. *MM* 65: 201-208.
- Navy*: 31-49.
- Weinstein, J.M., 1980. Was Tell Abu-Hawam a 19th Century Egyptian Naval Base? *BASOR* 238: 43-46.
- S³IBAL*: 32-38.

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SYRO-CANAANITE SEAFARING**SESSION 5***If his ship comes back from Crete...*

RS 16.238 + 254

GENERAL READING

- Aharoni, Y. and M. Avi-Yonah, 1993. *The Macmillan Bible Atlas*. Completely Revised Third Edition by A.F. Rainey and Z. Safrai. New York. (Maps with good summaries of the historical process.)
- Heltzer, M., 1988. Sinaranu, Son of Siginu, and the Trade Relations Between Ugarit and Crete. *Minos* 23: 7-13.
- S³IBAL*: 39-60, 215-227, 239-241, 262-274, 333-344.

SYRO-CANAANITE SHIPS

- Basch, L., 1978. Le navire *mns* et autres notes de voyage en Égypte. *Mariners Mirror* 64: 118-121 (Read pp. 99-111).
- Davies, N. de G. and R.O. Faulkner, 1947. A Syrian Trading Venture to Egypt. *JEA* 33: 40-46, pl. 8.
- MIMA*: 62-66.
- Navy*: 49-70.
- Porada, E., 1984. The Cylinder Seal from Tell el-Dabca. *AJA* 88: 485-488, pl. 65, figs. 1-3.
- S³IBAL*: 39-60.

THE RIB-ADDI CORRESPONDENCE IN EL AMARNA ARCHIVES

- Amarna*: EA 68-71, 73-79, 81-96, 102-114, 116-119; 121-126, 129-130; 132 136-138, 362.

UGARIT

- Astour, M.C., 1973. Ugarit and the Aegean. *AOAT* 22: 7-27.
- Gaster, T. H., 1938. A Phoenician Naval Gazette. *Palestinian Exploration Quarterly*: 105-112.
- Heltzer, M., 1977. The Metal Trade of Ugarit and the Problem of Transportation of Commercial Goods. *Iraq* 39: 1977: 303-211.
- Heltzer, M., 1982. *The Internal Organization of the Kingdom of Ugarit*. Wiesbaden: 188-191 (Excursus 1: Shipbuilding in Ugarit and its Organization)
- Heltzer, M., 1988. Sinaranu, Son of Siginu, and the Trade Relations Between Ugarit and Crete. *Minos* 23: 7-13.
- Lambrou-Philipson, C., 1993. Ugarit: A Late Bronze Age Thalassocracy? The Evidence of the Textual Sources. *Orientalia* 62:163-170.

Linder, E., 1993. Ugarit: A Canaanite Thalassocracy. In: *Ugarit in Retrospect: Fifty Years of Ugarit and Ugaritic*. Ed. G.D. Young: 31-42.

S³IBAL: 333-344.

Sasson, J.M., 1966. Canaanite Maritime Involvement in the Second Millennium B.C. *JAOS* 86: 126-138.

SYRO-CANAANITE RELIGION AND THE SEA

Brody, A.J., 1998. "Each Man Cried Out to his God:" *The Specialized Religion of Canaanite and Phoenician Seafarers*. (Harvard Semitic Monographs 85). L.E. Stager, ed. Atlanta.

ANCHORS OF THE SYRO-CANAANITE COAST

Frost, H., 1969. The Stone Anchors of Ugarit. *Ugaritica* 6: 235-245.

Frost, H., 1969. The Stone Anchors of Byblos. *Mélanges de l'Université Saint-Joseph, Beyrouth* 45: 425-442.

Frost, H., 1991. Anchors Sacred and Profane: Ugarite-Ras Shamra, 1986: The Stone Anchors Revised and Compared. In *Ras Shamra-Ougarit VI: Arts et Industries de la pierre*. M. Yon, ed. Paris and Lyon, Editions Recherche sur les civilisations and Maison de l'Orient: 355-410.

Galili, E., 1985. A Group of Stone Anchors from Newe Yam. *IJNA* 14: 143-153.

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CYPRIOT (ALASHIAN?) SEAFARING**SESSION 6**

A ship from Alas[hia....] which is in Atallig...
KTU 4.390

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MINOAN/CYCLADIC SHIPS & SEAFARING

SESSION 7

The arrival in peace of the chiefs of Keftiu-land (and) the islands which are within the Great Sea..

Inscription from the Theban Tomb of Rehmire

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MYCENAEAN/ACHAEAN SEAFARING**SESSION 8***Rowers to Pleuron/going...*

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SEA PEOPLES SEAFARING**SESSION 9**

Now, the seven ships that are approaching have done evil things to us.

RS 20.238

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BRONZE AGE SHIPWRECKS**SESSION 10***...copper is lost in a ship...*

KTU 4.394

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SHIP CONSTRUCTION

SESSION 11

*Your borders are in the heart of the seas,
your builders made perfect your beauty...*

Ezekiel 27: 4

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SESSION 12

They looked at the sky... they looked at the land...
From the *Tale of the Shipwrecked Sailor*

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VARIA

SESSION 13

Uncover a tomb among the ancient tombs and preserve its seal until I return...

LRL 2

Keftiu... Tinay... Amnisos... Phaistos... Kydonia... Mycenaea...

The Kom el Heitan EN List

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REPORTS ON SEMINAR PAPERS

SESSION 14

And write us about what you have heard to cause our hearts to be elated...

LRL 12 (Year 2 of Renaissance)

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