

PRECLASSICAL SEAFARING

ANTH 612 (600)

Syllabus

SPRING 2017

Wednesdays, 9:00 AM-12:00 PM, ANTH 236

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Nautical Archaeology Program, Department of Anthropology, Texas A&M University
Office hours: Wednesdays 3:00-5:00 PM. Generally, I will be in my office (ANTH 121) on most weekday afternoons. Feel free to drop by. If you want to confirm a meeting, I can be reached by telephone (W) 979 847-9257, (M/Text) 979 574-7693 or by e-mail (swachsmann@tamu.edu).

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This course is designed to introduce the student to the evidence available for seafaring from earliest times to the beginning of the Iron Age, ca. 1000 BC, primarily, although not exclusively, in the eastern Mediterranean Sea. The course has the following objectives: A) To acquaint students with the rich matrix of seafaring culture related to the peoples of the prehistoric and ancient eastern Mediterranean, B) To integrate these physical remains into an overall humanistic understanding of early seafaring, C) To familiarize the student with the interrelationship of various sources—texts, artifacts, iconography, etc.—for interpreting and understanding the past, D) To supply the student with the tools to evaluate archaeological discoveries in relation to their own future work. There are no prerequisites to taking this course.

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.

PRESENTATIONS

An important element of class participation is a student's presentations. These demonstrate the student's ability to research a topic and present it in a coherent and knowledgeable manner. Each presentation will be of 20 minutes duration. Students should use these opportunities to practice their presentation skills in preparation for speaking at professional conferences. Topics for presentations will be distributed during our first meeting. Following this, each student should meet independently with me to discuss the topics and how best to prepare them.

THE TERM PAPER

The term paper should be a well-researched and documented work, about 5,000 words/20 double-spaced pages long. As seminar paper 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 a 250-word abstract together with a preliminary bibliography no later than our third meeting (Thursday, February 2nd). Remember, deadlines are our friends.

The choice of a topic for your paper is yours: 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. In place of a seminar paper I will allow you the option of writing a well-documented and well-footnoted piece of fiction. For a good example of the intended result, see:

Bass, G. F., 1982. Conclusions. In *Yassi Ada I: A Seventh-Century Byzantine Shipwreck*. G. F. Bass and F. H. van Doorninck, Jr., eds. (*Nautical Archaeology Series* 1) College Station, Texas A&M Press: 311-319.

Whatever your choice, you must use the Endnote application for references. This program is available to you free for download from the library web site (<https://software.tamu.edu/sell-student/credentials.aspx>). A tutorial at (http://endnote.com/training/tutorials/EndNote_Basics/EndNote%20Basics.html) covers the application 's basics. You must include a copy of your Endnote library on a CD with your seminar paper. Include at least five Keywords for each reference. For your paper use the *American Journal of Archaeology* house style. Happily, this is one of the styles supported by Endnote.

Papers are due in my office mailbox on our last day of class by 5:00 PM, Thursday, April 27th, which is the date of our last class. A student submitting a paper after this will be automatically docked a grade.

UNDERGRADUATE STUDENTS

Undergraduate students taking this course have the same requirements as their graduate counterparts (see above), with one exception: they will be required to submit a seminar paper of 2,500 words/10 pages.

ELECTRONIC COURSE RESERVES

Many of the readings, as well as the syllabus, will be made available to you as pdf (Acrobat) files.

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.

STATEMENT ON DIVERSITY

Respect for cultural and human biological diversity is a core concept of Anthropology. In this course, each voice in the classroom has something of value to contribute to class discussion. Please respect the different experiences, beliefs and values expressed by your fellow students and instructor, and refrain from derogatory comments about other individuals, cultures, groups, or viewpoints. The Anthropology Department supports the Texas A&M University commitment to Diversity, and welcomes individuals of all ages, backgrounds, citizenships, disabilities, education, ethnicities, family statuses, genders, gender identities, geographical locations, languages, military experience, political views, races, religions, sexual orientations, socioeconomic statuses, and work experiences (See <http://diversity.tamu.edu/>).

ACADEMIC INTEGRITY

An Aggie does not lie, cheat or steal, or tolerate those who do. For more information regarding academic integrity, please visit the Honor Council Rules and Procedures on the web: <http://aggiehonor.tamu.edu>). As commonly defined, plagiarism consists of passing off as one's own the ideas, words, writings, etc., which belong to another. In accordance with this definition, you are committing plagiarism if you copy the work of another person and turn it in as your own, even if you should have the permission of that person. Plagiarism is one of the worst academic sins, for the plagiarist destroys the trust among colleagues without which research cannot be safely communicated. If you have any questions regarding plagiarism, please consult the latest issue of the *Texas A&M University Student Rules*, under the section "Scholastic Dishonesty."

SCHEDULE SPRING 2017

- 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 Seafaring*
- 8) March 9th ➤ *Mycenaean/Achaean Seafaring*
- 9) *Spring Break (March 13th -17th)*
- 10) March 23rd ➤ *Sea Peoples Seafaring*
- 11) March 30th ➤ *The Gurob Ship Cart Model and Its Mediterranean Context*
- 12) April 6th ➤ *Vessels in Cult*
- 13) April 13th ➤ *Ship Construction*
- 14) April 20th ➤ *Navigation*
- 15) April 27th ➤ *Reports on Seminar Papers*

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BIBLIOGRAPHY

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.
- Brill 's new Pauly [electronic resource]: antiquity volumes / edited by Hubert Cancik and Helmuth Schneider.
- 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. (Reprinted 2009.)
- Wachsmann, S., 2013. *The Gurob Ship-Cart Model and Its Mediterranean Context*. College Station, Texas A&M University Press.

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ABBREVIATIONS

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|---------------|---|
| <i>ABSA</i> | <i>Annual of the British School at Athens</i> |
| <i>AJA</i> | <i>American Journal of Archaeology</i> |
| <i>Amarna</i> | W.L. Moran, ed. and trans., 1992. <i>The Amarna Letters</i> . Baltimore. |
| <i>ANET</i> | Ed. J.B. Pritchard, J.B., 1969. <i>Ancient Near Eastern Texts Relating to the Old Testament</i> . (Third edition with Supplement). Princeton. |
| <i>AOAT</i> | <i>Alter Orient und Altes Testament</i> |
| <i>AS</i> | <i>Anatolian Studies</i> |
| <i>EAL</i> | W. V. Davies and L. Schofield, eds. 1995. <i>Egypt, the Aegean and the Levant: Interconnections in the Second Millennium BC</i> . London, British Museum Press. |
| <i>Flood</i> | W. B. F. Ryan, and W. C. Pitman, III, 1998. <i>Noah 's Flood: The New Scientific Discoveries about the Event that Changed History</i> . New York. |
| <i>BASOR</i> | <i>Bulletin of the American Schools of Oriental Research</i> |
| <i>IEJ</i> | <i>Israel Exploration Journal</i> |
| <i>IJNA</i> | <i>International Journal of Nautical Archaeology</i> |
| <i>JAEI</i> | <i>Journal of Ancient Egyptian Interconnections</i> |
| <i>JAOS</i> | <i>Journal of the American Oriental Society</i> |
| <i>JCS</i> | <i>Journal of Cuneiform Study</i> |
| <i>JEA</i> | <i>Journal of Egyptian Archaeology</i> |
| <i>JHS</i> | <i>Journal of Hellenic Studies</i> |
| <i>JMA</i> | <i>The Journal of Mediterranean Archaeology</i> |
| <i>JNES</i> | <i>Journal of Near Eastern Studies</i> |
| <i>MIMA</i> | L. Basch, 1987. <i>Le musée imaginaire de la marine antique</i> . Athens, Hellenic Institute for the Preservation of Nautical Tradition. |

- MM* *Mariner 's Mirror*
- Navy* T. Säve-Söderbergh, 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].)*. Liege.
- 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 1* H. Tzalas, ed. 1989. *Tropis I. First International Symposium on Ship Construction in Antiquity (Piraeus, August 30-September 1, 1985)*. Athens, Hellenic Institute for the Preservation of Nautical Tradition.
- Tropis 2* H. Tzalas, ed. 1990. *Tropis II. Second International Symposium on Ship Construction in Antiquity (Delphi 27-29 August 1987)*. Athens, Hellenic Institute for the Preservation of Nautical Tradition.
- Tropis 3* H. Tzalas, ed. 1995. *Tropis III. Third International Symposium on Ship Construction in Antiquity (Athens, 24-27 August, 1989)*. Athens, Hellenic Institute for the Preservation of Nautical Tradition.
- Tropis 4* H. Tzalas, ed. 1996. *Tropis IV. Fourth International Symposium on Ship Construction in Antiquity (Athens, 28-31 August 1991)*. Athens, Hellenic Institute for the Preservation of Nautical Tradition.
- Tropis 5* H. Tzalas, ed. 1999. *Tropis V. Proceedings of the 5th International Symposium on Ship Construction in Antiquity (Nauplia 26-28 August 1993)*. Athens, Hellenic Institute for the Preservation of Ship Construction in Antiquity.
- Tropis 6* H. Tzalas, ed. 2001. *Tropis VI. Proceedings of the 6th International Symposium on Ship Construction in Antiquity (Lamia, 28-30 August 1996)*. Athens, Hellenic Institute for the Preservation of Ship Construction in Antiquity.
- Tropis 7(1)* H. Tzalas, ed. 2002. *Tropis VII. Proceedings of the 7th International Symposium on Ship Construction in Antiquity (Lamia, 28-30 August 1996). Vol. 1*. Athens, Hellenic Institute for the Preservation of Ship Construction in Antiquity.
- Tropis 7(2)* H. Tzalas, ed. 2002. *Tropis VII. Proceedings of the 7th International Symposium on Ship Construction in Antiquity (Lamia, 28-30 August 1996). Vol. 2*. Athens, Hellenic Institute for the Preservation of Ship Construction in Antiquity.

CHRONOLOGY

Time is what keeps everything from happening at once.

Ray Cummings, *The Girl in the Golden Atom*

- 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 Chronology of the Aegean Late 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)* II. Ed. P Åström. (SIMAL: Pocketbook 57). Gothenburg: 39-59.
- 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

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.

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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...

Psalms 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.
- Simmons, A. H., 2014. *Stone Age Sailors: Paleolithic Seafaring in the Mediterranean*. Walnut Creek, CA, Left Coast Press, Inc.

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., 2007. *The Neolithic Revolution in the Near East: Transforming the Human Landscape*. Tucson: 229-263, 281-328 (Chapter 9: And on the Islands: The Colonization of Cyprus).
- 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]
- Ferentinos, G., M. Gkioni and M. Geraga 2008. Sea-Level Changes from the Middle Palaeolithic to the Early Neolithic and Their Implications on the Colonization of the Ionian Islands, Western Greece. In *Abstract Book: Landscape Evolution & Geoarchaeology. (13th Belgium-France-Italy-Romania Geomorphological Meeting, June 18-21, 2008)*. 47-48.
- Ferentinos, G., M. Gkioni, M. Geraga, *et al.*, 2009. Sea-Level Changes from the Middle Palaeolithic to the Early Neolithic Period and Their Implications on the Colonization of the Ionian Island in Western Greece. In *Abstracts: 15th Annual Meeting of the European Association of Archaeologists. (15-20 September 2009, Riv del Garda | Trento, Italy)*. 103-104.
- Ferentinos, G., M. Gkioni and M. Geraga, n.d. Sea Level Changes from the Middle Palaeolithic to the Early Neolithic Period and Their Implications on the Colonization of the Ionian Islands in Western Greece. In *Stable Places and Changing Perceptions: Cave Archaeology in the Aegean and Adjacent Areas*. J. Jensen and F. Mavridis, eds.: 1-32.
- Marangou, C., 2001. Neolithic Watercraft: Evidence from Northern Greek Wetlands. In *Enduring Records: The Environmental and Cultural Heritage of Wetlands*. B. A. Purdy, ed. Oxford, Oxbow Books: 192-205.
- Tichy, R., 2001. *Expedice Monoxylon: Procházime 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.

PALEOLITHIC SETTLERS IN CRETE?

- Borrell, B., 2010. Bon Voyage, Caveman. *Archaeology* 63(3): 9, 54.
- Marshall, M., 2012. Neanderthals Were Ancient Mariners. *NewScientist* 213(2854): 10.
- Strasser, T. F., E. Panagopoulou, C. N. Runnels, *et al.*, 2010. Stone Age Seafaring in the Mediterranean: Evidence from the Plakias Region for Lower Paleolithic and Mesolithic Habitation of Crete. *Hesperia* 79: 145-190.

THE "ARABO-PERSIAN GULF OASIS"

- Rose, J. I., 2010. New Light on Human Prehistory in the Arabo-Persian Gulf Oasis. *Current Anthropology* 51: 849-883.

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

- Bénédict, 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.]
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EGYPTIAN SEAFARING**SESSION 4**

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

From the scene of Hatshupsut's Punt ships at Deir el Bahri
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RS 16.238 + 254

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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...*

PY An 1

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CLASS DOES NOT MEET: SELF STUDY**SESSION 9**

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SEA PEOPLES SEAFARING**SESSION 10**

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

RS 20.238

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THE GUROB SHIP-CART MODEL AND ITS MEDITERRANEAN CONTEXT

SESSION 11

The rabbit-hole went straight on like a tunnel for some way, and then dipped suddenly down, so suddenly that Alice had not a moment to think about stopping herself before she found herself falling down what seemed to be a very deep well.

From Alice's Adventures in Wonderland
by Lewis Carroll

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THE MODEL

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THE ICONOGRAPHIC EVIDENCE

Wachsmann, *Gurob Ship-Cart Model*, pp. 33-84 (Ch. 2. The Iconographic Evidence), 219-224 (App. 3. Ship Colors in the Homeric Poems).

WHY WHEELS?

Wachsmann, *Gurob Ship-Cart Model*, pp. 85-162 (Ch. 3. Wheels, Wagons and the Transport of Ships Overland), 202-204 (Conclusions).

TO WHOM DID THE MODEL BELONG?

Wachsmann, *Gurob Ship-Cart Model*, pp. 163-199 (Foreigners at Gurob), 204-206 (Conclusions).

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VESSELS IN CULT

SESSION 12

...from reverent lips the chief priest first uttered the most exalted prayers over the ship that had been built with exquisite skill...

From Apuleius ' *Metamorphoses*, Book XI: 16

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SHIP CONSTRUCTION

SESSION 13

Your borders are in the heart of the seas,
 your builders made perfect your beauty...
 Ezekiel 27: 4

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S³IBAL: 215-243.

Steffy: 36-37.

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

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REPORTS ON SEMINAR PAPERS

SESSION 15

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

LRL 12 (Year 2 of Renaissance)

ooooo

ADDITIONAL TOPICS

BRONZE AGE SHIPWRECKS

SESSION ____

...copper is lost in a ship...

KTU 4.394

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