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Πληροφοριακό Δελτίο της Ελληνικής Αρχαιομετρικής Εταιρείας

- Αύγουστος-Σεπτέμβριος 2006 -

300 BC - Herophilus - the beginning of neuroscience.

The Greek anatomist Herophilus (335-280 BC) studied the human brain and recognised it as the centre of the nervous system. He distinguished the cerebrum and cerebellum and named the brain as the source of thought. Herophilus also made the first contribution to the field of neuroscience by distinguishing between sensory and motor nerves and by performing the most thorough study of brain anatomy attempted until the Renaissance. (<http://www.thebigview.com/> ®)

Newsletter of the Hellenic Society of Archaeometry

- August-September 2006 -

Nr. 66

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Call for Papers - Volume Three - Journal of the Australian Early Medieval Association page 33

SLATINO prehistoric settlements, by Stefan Chohadzhiev page 34

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ΣΥΝΕΔΡΙΑ - CONFERENCES/WORKSHOPS

10TH INTERNATIONAL CRETOLOGICAL CONGRESS, KHANIA, 1-8 OCTOBER 2006

FOURTH CIRCULAR LETTER

Dear Participants

The 10th International Cretological Congress is approaching and the preliminary programme has been prepared and has already appeared on the Congress website which, for those who have not visited it, is www.chrysostomos-chania.gr

Those of our colleagues who have still not confirmed their participation are kindly requested to do so as soon as possible and notify us of the exact period of their stay. This also applies to accompanying members.

To facilitate the smooth organization of the Congress speakers are requested:

1. to send a brief curriculum vitae (one paragraph) to assist the chair of the session to introduce them;
2. to inform the Committee of any technical support they will need to present their paper, such as power point, slide projector, overhead projector, etc.;
3. to time exactly the period of delivery of their oral presentation. Due to the very large number of papers, it is essential to adhere strictly to the programme and the chair will have to ensure that speakers do not overrun their allotted time. Each speaker will be limited to 20 minutes i.e. 15 minutes of speech and 5 minutes for clarifying questions. A speaker who takes up the whole of the 20 minute slot will forfeit clarification. Moreover, since the Congress will be taking place in three separate buildings at a distance from each other and that five papers will be presented simultaneously, the exact sequence of papers must be adhered to. Possible absences or vacancies will not be filled with subsequent presentations because some participants may wish to move to other sections at given times to attend a particular paper and some may have based their stay at the Congress on the published sequence of papers.

This circular letter will be sent to you via e-mail for speedier information. It goes without saying that those without an e-mail address will receive both this fourth circular letter and the preliminary programme by regular mail.

With warm regards

The President

Prof. Eratosthenis Capsomenos

The Secretary General

Dr. Maria Vlazaki

INTERNATIONAL CONFERENCE -
EARLY IRON IN EUROPE -
PREHISTORIC AND ROMAN IRON
PRODUCTION", HÜTTENBERG,
CARINTHIA, AUSTRIA, SEPTEMBER
2008

Dear colleagues,

In the Arch-metals file store at:

<http://www.jiscmail.ac.uk/cgi-bin/filearea.cgi?LMGT1=ARCH-METALS&X=&Y=&f=/Meetings/Early Iron in Europe> you can find the 1st call for papers for an international conference on "Early Iron in Europe - Prehistoric and Roman Iron Production" in Hüttenberg, Carinthia, Austria in September 2008.

The conference website will be installed in the coming week.

Please forward the mail to any of your colleagues and students you think might be interested.

Best regards
Brigitte Cech
in the name of the scientific committee

These files can also be reached through the arch-metals home page
<http://www.jiscmail.ac.uk/lists/arch-metals.html>
and going to the file area and selecting the meetings folder.

Chris Salter, (Arch-metals list-owner)
Oxford Materials Characterization Service,
Department of Materials,
Oxford University Begbroke Science Park,
Sandy Lane, Yarnton,
Oxford. OX5 1PF

THE MANCHESTER MUSEUM **LECTURES**

The Manchester Museum and the Manchester Branch of the Classical Association

Present an Open Lecture on '**Cuneiform Writing and Modern Discoveries**'

By **Dr. Irving Finkel**, (Department of Western Asiatic Antiquities, The British Museum)
Friday 24th of November 19.00, Kanaris Lecture Theatre

The Manchester Museum Day School 2006

**'IT'S MAGIC! RITUALS AND OBJECTS
IN THE ANCEINT WORLD'**

Saturday the 25th of November

Kanaris Lecture Theatre, The Manchester Museum

Registration: Adults £25, Students £5

For information and registration please contact:

maria.kostoglou@manchester.ac.uk

phyllis.stoddart@mancehster.ac.uk

The Manchester Museum at 0161 275 2648

Programme

9.00-10.00am: Registration and coffee/tea (in the foyer of the Kanaris Lecture Theatre)

10.00-10.10 am: Welcome

Prof. Piotr Bienkowski, Deputy Director of the Manchester Museum

10.10-10.15am: Introduction

Dr. Maria Kostoglou, Lecturer in Archaeology and Research Fellow in the Manchester Museum.

10.15-11.15: 'Dealing with ghosts and daemons in ancient Mesopotamia'

Dr. Irving Finkel, Department of Western Asiatic Studies, The British Museum.

11.15-12.15: 'Spells for sale: the market for magic in archaic and classical Greece'

Dr. Esther Eidinow, Department of Classics, The University of Manchester.

12.15-14.15: Lunch Break and visit to the 'Magic Event' in the Discovery Centre*

14.15-15.15: 'The psychology of victim hood in classical Athenian judicial curses'

Dr. Ralph Anderson, Department of Ancient History, University of St. Andrews.

15.15-16.15: 'Magic and the Sacred in the museum'

Mrs. Louise Thythacott, Department of Museum Studies, University of Manchester

16. 30: End of the Day School.

* **'Magic Event'**. Participants will have the opportunity to see closely and handle some of the most exciting objects from the rich collections of the Manchester Museum that are

not on display. Highlights include a magicians' kit from Morocco, amulets and charms from Asia and Africa, and objects from Egypt and the Mediterranean.

**CULTURAL COMMERCE IN THE
BYZANTINE WORLD: BYZANTIUM AND
EASTERN EUROPE, 42ND
INTERNATIONAL MEDIEVAL
CONGRESS, KALAMAZOO 2007**

CALL FOR PAPERS

Panel sponsored by the Medieval Association of the Midwest

In the Byzantine world, the overwhelming prestige of the capital Constantinople was a constant stimulus for emulation, and its influence radiated well beyond the boundaries of the Empire. It drew ambitious artists and intellectuals from neighboring nations and exerted cultural influence abroad.

As a sequel to a panel we organized last year, we solicit papers dealing with various aspects of cultural influence of Byzantium upon its Eastern European neighbors, primarily the South and East Slavs. Papers may be related, but not limited, to the following topics:

- How were Byzantium's literature and art experienced by its Slavic neighbors? In what ways were the neighboring cultures perceived by the Byzantines?
- What conditions made Byzantine influence possible and fruitful?
- What were the items of cultural commerce? What items were rejected?
- How were Byzantine outlooks, laws, and customs perceived or misunderstood by the Slavs, and vice versa?

Please e-mail abstracts to either Georgi Parpulov (gparpulov@thewalters.org) or Vessela Valiavitcharska (vessela@mail.utexas.edu). Deadline for submitting abstracts is September 15th, 2006. Participants must join the Medieval Association of the Midwest and pay the modest dues of \$25 for faculty and \$10 for students and retirees.

SECOND CALL FOR PAPERS AND PARTICIPATION, 4TH INTERNATIONAL CONFERENCE ON HISTORY: FROM ANCIENT TO MODERN, DECEMBER 28-31, 2006, ATHENS, GREECE

The Athens Institute for Education and Research (ATINER) will organize an International Conference on History in Athens, Greece on December 28-31, 2006. The conference will be held in downtown Athens, within walking distance of the Acropolis (Parthenon) and other historical sites of Athens.

Papers (in English) from all areas of history are welcome. Special sessions will be organized in the following areas: Ancient Greek and Roman History, Cultural History, Arts History, Economic, Political and Social History, Sports History (History of Olympic Games), Historiography, Historic Preservation and the Future of Historical Studies. Selected papers will be published in a Special Volume of the Conference Proceedings. You may participate as panel organizer, presenter of one paper, chair a session or observer. The conference website is <http://www.atiner.gr/docs/History.htm>

The registration fee is 250 euro, covering access to all sessions, conference material and 2 lunches. Special arrangements will be made with local hotels for a limited number of rooms at a special conference rate. In addition, planned tours to historical sites and nearby islands will be organized. A special evening is organized on Thursday December 28th with live Greek music and dinner. On Sunday the 31st, 2006 a gala dinner will be held under the Acropolis to celebrate NEW YEAR'S EVE. The cost of these optional activities will be announced later. The first 3 conferences produced a number of books. Visit our site (http://www.atiner.gr/docs/HISTORY_PUBLICATIONS.htm) for titles, table of contents and order form.

Please submit a 300-word abstract by email by September 25th, 2006 to the following address: Dr. Nicholas Pappas, Associate Professor of History, Sam Houston University, USA and Vice-President of ATINER. 8 Valaoritou Street, 10671 Athens, Greece. Tel.: + 30 210 363-4210 Fax: + 30 210 363-4209 Email: atiner@atiner.gr. Abstracts should include: Title of Paper, Full Name (s), Affiliation, Current Position, an email address and at least 3 keywords that best describe the subject of your submission. We also invite people to chair sessions, act as reviewers and editors of the book(s) that will be published after the conference. If you want to participate without presenting a paper, i.e. chair a session, evaluate papers to be included in the conference proceedings or books, contribute to the editing, or any other offer to help please send an email to Dr. Gregory T. Papanikos (gtp@atiner.gr), Director, ATINER.

EARLY IRON SYMPOSIUM 3, PETER'S VALLEY CRAFT CENTER, LAYTON NJ, OCT 7-9, 2006

Hello All,

An event that may be of interest.

This years Early Iron Symposium will be held at the Peter's Valley Craft Center in Layton NJ, Oct 7-9. Like last year, we will again concentrate on a hands-on smelting workshop. There will be two levels of participation: smelters and observers. Smelters, in teams of 4-5, will build their "coated tyle" furnace on Saturday. Saturday evening will feature demonstrations smelt(s?) by the instructors. Sunday each team smelts a bloom. For those that can stay on Monday, we'll do some bloom forging. Everyone goes home with the iron they made.

Smelting is limited to 30 participants. Cost for smelters is \$250, which includes smelting materials, lodging, and food (basic breakfast and sandwich type- you won't have time for fine dining!). Observers are welcome for \$30 per day.

Also during this weekend, Peter's Valley will be hosting it's annual Pig Roast, and there will be an iron show the gallery.

For more information go to:

http://www.petersvalley.org/2006%20Workshops/blacksmithing_2006_workshop_sche.htm

or e-mail Dick Sargent at sarforge@earthlink.net

Lee Sauder
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229B McLaughlin St
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<http://iron.wlu.edu>

ΘΕΣΕΙΣ ΕΡΓΑΣΙΑΣ/ΥΠΟΤΡΟΦΙΕΣ –
JOB VACANCIES/FELLOWSHIPS

POSITIONS AVAILABLE, ELIZABETH A.
WHITEHEAD VISITING PROFESSORS

Two Positions

Term: Early September 2007, to June 1, 2008.

Compensation: \$30,000, plus round-trip airfare, board at the School, and housing.

Qualifications: Managing Committee Member or staff member at a Cooperating Institution; a research project which utilizes the facilities of the School and enriches the academic program of the School.

Duties: Whitehead Professors present a seminar during the winter term on the subject of their expertise or make use of the opportunity, which their presence at the School affords, to contribute to the academic program in some other significant way.

Application:

- a) Curriculum vitae and list of publications.
- b) Statement of current and projected research.
- c) One page description of proposed seminar or other contribution to the academic program.
- d) Account of the frequency and length of earlier visits to Greece.
- e) Three letters of recommendation should be sent directly to the address below.
- f) Applicants may be asked to interview at the annual AIA/APA meetings.

Send application to:

Professor Susan I. Rotroff
Chair, Committee on Personnel
American School of Classical Studies at Athens
6-8 Charlton Street
Princeton, NJ 08540-5232.
Tel: 609-683-0800 Fax: 609-924-0578
E-mail: ascsa@ascsa.org Web site: <http://www.ascsa.edu.gr>

POSTMARK DEADLINE: SEPTEMBER 30, 2006.
The appointments will be announced January 8, 2007.

The American School of Classical Studies at Athens does not discriminate on the basis of

race, age, sex, sexual orientation, color, religion, national or ethnic origin, or disability when considering admission to any form of membership or application for employment

Ms. Mary E. Darlington
Executive Assistant
American School of Classical Studies at Athens
6-8 Charlton Street
Princeton, NJ 08540
Tel 609-683-0800 ext. 11
Fax 609-924-0578



MA/PH.D STO MANCHESTER

Agaphtoi Sunadelfoi,

Tha sas parakalousa na enhmerwsete tous foithtes sas gia ta nea programmata metaptuxiakwn kai didaktorikwn spoudwn sto tmhma Arxaiologias tou Panepisthmiou tou Manchester. Plhrofories mporeite na breite sthn istoselida www.manchester.ac.uk

Gia ereuna se themata Mesogeiakhs Arxaiologias parakalw episkefteite thn istoselida

www.

arts.manchester.ac.uk/subjectareas/archaeology/academicstaff/mariakostoglou/

Tha htan xara mou na suzhthsw leptomerws tis prooptikes pou exoun oi spoudes sto Manchester me osous endiaferonai.

Me tous xairetismous

Maria

Dr. Maria Kostoglou

Lecturer in Archaeology and Research Fellow in the Manchester Museum

G.20 Humanities Bridgeford Street, +44 (0) 161 275 0307

2.39 The Manchester Museum, +44 (0) 161 276 2588

The University of MANchester,, Oxford Road, M13 9PL

Contact Details

Maria.kostoglou@manchester.ac.uk

G.20 Humanities Bridgeford Street, 0161 275 0307

2.39 The Manchester Museum, 0161 276 1588

Research Interests:

- Mediterranean Archaeology, with particular emphasis on the study of ancient Greek colonialism and ethnic identity.
- Iron technology and social change in ancient Greece.
- Archaeometallurgy
- Archaeology in the Manchester Museum (Research and Public Dissemination)

Courses currently taught

The above research issues are explored during my undergraduate and postgraduate teaching in Manchester in the following courses:

- ‘The Archaeology of Artefacts’, MA module.
- ‘Iron/Bronze Technology in Europe and the Mediterranean’, 3rd year.

- Various lectures for the 1st and 2nd year students on the archaeology of the 1st Millennium BC Mediterranean world and on ancient Greek colonialism.

Current Ph.D and MA project openings

The following projects are currently open for post graduate research. They involve the study of material from the archaeology collections of the Manchester Museum as well as material from several sites in the Mediterranean from past field work. For some projects, training in analytical techniques (such as Optical Microscopy and Scanning Electron Microscopy) would be an advantage but would also be provided.

Ph.D.

1. 'Classical Archaeology in the Manchester Museum: academic histories, artefact biographies and theoretical controversies'
2. 'British archaeology and the study of ancient colonialism'
3. 'The end of the Bronze Age in the Eastern Mediterranean: technology and social change' (material related to this study: pottery, metals and small finds from Cyprus and the Levant).
4. Metallurgy and the rural economies of the Roman Mediterranean World (material from Sardinia, Peloponnese and North Greece).
5. Craft specialisation and urbanisation in IA Mediterranean World (material from Crete, Cyprus, and Macedonia).

M.A

1. Ancient Iron/Steel technology in Roman Britain: past practices and current interpretations (material from Bigbury and Castleshaw)
2. Craft specialisation and social politics in ancient Egypt (material from Kahun and Garob)
3. Roman Glass: technology, use circulation (glass collection of the Manchester Museum) with potential for continuation to Ph. D.

Detailed Research Profile

After graduating from the department of Archaeology, University of Thessalonica, Greece, in 1992, I joined the National Archaeological Service where I undertook a number of excavation and post-excavation projects in northern Greece. In 1996, I joined the Department of Archaeology at the University of Glasgow (M.Phil. in Mediterranean Archaeology, 1997). I completed my Ph.D. thesis on '*Aegean Thrace: Technological and Social Aspects of Iron Production from Classical to Roman times*' (Glasgow, May 2002) under financial support by 'The A.S.Onassis Foundation', Greece, the Carnegie Trust for the Universities of Scotland and the Historical Metallurgy Society, London.

Since September 2005 I am a lecturer in the School of Arts, Histories and Cultures and a Research Fellow in the Manchester Museum. The subject of my research is the social study of ancient artefacts and technology. Understanding scientific practice and carrying out analytical work is crucial for my research. Social theory (material culture and identity studies) informs my analytical methodology (metallographic and Scanning Electron Microscopy) which is applied on solid archaeological case-studies (generated from both field work and the archaeology collections of the Manchester Museum). My objectives stem from the need to develop a holistic approach that bonds material culture with

material science. My job as a Museum Academic Joint Appointment between the Manchester Museum and the Department of Archaeology, places me in a unique position to cross traditional disciplinary boundaries between arts and sciences and forge interdisciplinary links with archaeology. Since September 2005 I am using my research experience and skills to raise awareness in the University and beyond of the capacity of the Manchester Museum to play a central role in curriculum innovation and cross-disciplinary research and teaching.

Selective Publications

2006 *'Metal working debris from the excavations in Bahrain' in T.Insoll 'The Land of Enki in the Islamic Era: Pearls, Palms and Religious Identity in Bahrain', 507-513. London: Kegan Paul.*

2006 'Material culture and material science: studying social choices in ancient iron technology', *Archaeometry* (forthcoming).

2006 'Thrace and Thracians in Greco-Roman text and Iconography: an archaeological perspective', *Archaeologia Bulgarica*, submitted.

2006 'Cast iron production in Ancient Greece: myth or fact?' in *Mediterranean Archaeology and Archaeometry* (in print)

2006 'Towards an integrated approach for the study of ancient Greek Technology' in N. Zacharias et al (eds) 'Proceedings of the 2004 Symposium of the Hellenic Archaeometric Society' BAR/Archaeopress (in print)

2005 'Local iron production in the Roman fort of Kalyva-Kastro, Aegean Thrace: technological continuity and social change', *Journal of the Historical Metallurgy Society*, 39(2)

2005 *'Metallographic examination of pig iron clots from Messemvria-Zone, Greece' with I.Navasaitis, A.Selskiene, G.Galdarys in the 'Proceedings of the 14th International Baltic Conference in Materials engineering', Kaunas University of Technology, Lithuania.*

2003 'Iron and steel currency bars in Ancient Greece', *Mediterranean Archaeology and Archaeometry*, vol. 3, No 1 (2003), 63-68.

2003 *'Iron artefacts and industrial waste from Hilton at Cadboll, Scotland', GUARD project no 1078, University of Glasgow*

www.guard.arts.gla.ac.uk/1078/GUARDPostExc/GUARDarteanalysis.html

2002 'Iron working in Drumoig, Fife, Scotland', GUARD project no 1025. Glasgow.

2001 'Iron production in Ancient Greece: a re-evaluation based on new analytical data from Aegean Thrace' in the proceedings of the international symposium on 'The introduction of iron into Eurasia', Upsalla, Sweden, 4th - 8th October 2001.

2001 ‘Fatal Assumptions: The acculturation of the barbarians and the technological superiority of the Romans’ in the proceedings of the ‘*Theoretical Roman Archaeology Conference*’ (TRAC) 29 Mar. – 1 Apr. 2001.

1997 ‘Thracian Iron Metallurgy: The Pyrotechnology of Cultural Identification’ in the proceedings of the conference ‘*Metals in Antiquity*’, 10-13 Sep. 1997, Harvard University, Boston, USA.

Public lectures and events

25th Nov 2006 Organiser of the ‘It’s Magic: Rituals and Objects in the Ancient World’, The Manchester Museum Day School.

22nd July and 9th of Sept 2006 Workshop on ‘Archaeomaterials’ for the National Archaeology Day and the National Heritage Day’, The Manchester Museum.

19th Nov 2005 ‘Alexander and Macedonian identities’, The Manchester Museum Day School

3rd Dec 2004 ‘Historic landscapes, modern archaeologies and the creation of Greek identity’ workshop on ‘Landscape and Identity: interdisciplinary research interests and themes in the University of Manchester’, Manchester Museum.

16th July 2003 ‘The contemporary significance of archaeology’, in summer lectures for international students, IEFL, UMIST, Manchester.

20th June 2003 ‘Archaeology at Manchester’, Open Day at the University of Manchester.

9th Nov. 2002 ‘Nation building, the ‘Great idea’ and the Greeks of Asia Minor’ *Courses for the Public* by The Manchester Museum in collaboration with The Society for the Promotion of Hellenic Studies and The British School at Athens.

Awards and Scholarships

Jun.04-Jan 05 - British Academy Small Research Grant.

Summer 2004 - Carnegie Trust for the Universities of Scotland Research Grant.

Oct. 97 - Jun. 00 - 'The A. S. Onassis Foundation Scholarship ' for Ph.D. research.

Jul. 00 - Sep. 00 - 'The Carnegie Trust for the Universities of Scotland'. Research grant for library and archive research at Princeton University.

Jun. 99 - Aug. 99 - 'The Carnegie Trust for the Universities of Scotland'. Field-work.

Feb. 98 - 'Tylecote' fund by the Historical Metallurgy Society, London.

Jun. 98 - Research grant by 'The A. S. Onassis Foundation' for Bulgaria.

Sep. 97 - 'Cohlan' fund, by the Historical Metallurgy Society, London, to deliver a paper at Harvard University.

PHD STUDENTSHIP IN ARCHAEOMETRY (ARCHAEOMETALLURGY), UNIVERSITY OF FRIBOURG (SWITZERLAND)

A PhD Studentship in Archaeometry (archaeometallurgy) is available at the University of Fribourg (Switzerland), starting October 1st, 2006.

The applicant will study the technical aspects of traditional iron smithing in the Dogon area (Mali) with an ethnoarchaeologic viewpoint. The work will focus on the petrographic investigation of the smithing residues (thin sections, SEM, XRF, XRD). The major goals will be to set up reference data to relate the technical operations and the types of waste produced and to quantify the loss of iron during the smithing process. More information can be found here:

<http://www.unifr.ch/geoscience/mineralogy/archmet/index.php?page=766>.

RESEARCH POSITION FOR A PHD CANDIDATE IN BRUSSELS

Dear colleagues,

A research position is available for a PhD candidate in the field of Geo-archaeology in the department of Geology at the Vrije Universiteit Brussel (VUB) in Brussels, Belgium. The selected PhD candidate will take an active part in a multidisciplinary project between the departments of Archaeology (Prof. Karin Nys) and Geology (Prof. Philippe Claeys). The goal of this project is to integrate the development of ancient civilization in Cyprus in the global context of recent paleoenvironmental evolution. There is also a strong emphasis on using geochemistry and isotopic ratios to trace the origin and transport pathways of ancient pottery. The candidate should therefore demonstrate a strong interest in both archaeology and geosciences, in particular in terms of trace element geochemistry, isotope geology and paleoenvironmental reconstructions. In addition, (s)he is an enthusiast team player who enjoys collaborating with scientists from other disciplines. The VUB is equipped with modern analytical instruments, including 4 stable isotope mass spectrometers with automated carbonate device, elemental analyzer with a GC interface, microsampling capability as well as laser ablation and high resolution ICP-MS in collaboration with the department of Analytical Chemistry. A new state of the art multi-cup ICP-MS to be used in this project for Sr and Pb isotopic analyses is shared with the nearby University of Ghent. We seek motivated candidates with a master's degree (or equivalent) in the Geosciences, Chemistry or Material sciences. The starting date is January 2007. The position will be granted for two years, renewable for another two years, based on performance. More information is available by directly contacting the project leaders Karin Nys (Karin.Nys@vub.ac.be) and/or Philippe Claeys (phclaeys@vub.ac.be).

To apply send a detailed CV including the name, e-mail and/or telephone numbers of two referees, and a short letter of motivation to Philippe Claeys (phclaeys@vub.ac.be); applications should be received by October 15, 2006, but will be considered until the position is filled.

THE AFIARTIS PROJECT REQUESTS **STUDENTS**

The Afiartis Project

The Demokritos University of Thrace's Afiartis Project requests archaeology students to participate in this year's survey in Karpathos (1-17 IX).

Please contact:

emelas@he.duth.gr

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ΑΝΑΚΟΙΝΩΣΕΙΣ - ANNOUNCEMENTS



ΕΡΓΑΣΤΗΡΙΟ ΙΣΟΤΟΠΙΚΗΣ ΥΔΡΟΛΟΓΙΑΣ ΙΝΣΤΙΤΟΥΤΟ ΦΥΣΙΚΟΧΗΜΕΙΑΣ Ε.Κ.Ε.Φ.Ε. “ΔΗΜΟΚΡΙΤΟΣ”

Στο Εργαστήριο Ισοτοπικής Υδρολογίας του Ε.Κ.Ε.Φ.Ε. «Δημόκριτος» έχουν αναπτυχθεί Τεχνικές και Επιστημονικές Μέθοδοι που η ακρίβεια και η αξιοπιστία των αποτελεσμάτων τους είναι ιδιαίτερα υψηλή. Με τον τρόπο αυτό το Εργαστήριο συμβάλλει στην επίλυση περιβαλλοντικών προβλημάτων και στη διερεύνηση και κατανόηση φυσικών διεργασιών, που είναι δύσκολο να ερμηνευτούν με κλασσικές μεθόδους.



Ισοτοπική Υδρολογία είναι ο διεπιστημονικός κλάδος που ασχολείται με τη ανίχνευση των σταθερών και ραδιενεργών ισοτόπων (^{18}O , ^2H , ^{15}N , ^{13}C , ^3H , ^{14}C , ^{222}Rn κ.ά.) στον κύκλο του νερού στη φύση. Οι συγκεκριμένες αναλύσεις μπορούν να δώσουν απαντήσεις σε σημαντικά ζητήματα που αφορούν την εφαρμοσμένη έρευνα για την αξιοποίηση και την ορθολογική διαχείριση του υδάτινου δυναμικού όπως:

- Εκτίμηση του υψόμετρου τροφοδοσίας των υπόγειων υδροφόρων οριζόντων
- Ταχύτητα ροής και χρόνος παραμονής του νερού στο υπέδαφος.
- Ποσοστό ανάμειξης διαφορετικών υδροφόρων οριζόντων καθώς και της ανάμειξης επιφανειακών και υπόγειων νερών.
- Προσδιορισμός της προέλευσης της ρύπανσης των επιφανειακών και υπόγειων νερών από διάφορες ρυπογόνες εστίες (πχ. Νιτρορύπανση από αγροτικές και αστικές δραστηριότητες).
- Προσδιορισμός της ενθαλπίας των γεωθερμικών πεδίων.
- Εκτίμηση του δυναμικού των υπόγειων αποθεμάτων νερού.
- Επίδραση των κλιματικών αλλαγών στα υδατικά συστήματα.
- Μελέτη της υφαλμύρωσης των παράκτιων πηγών.
- Προσδιορισμός της βασικής ροής σε υδρογεωλογικές λεκάνες.
- κ.α.



Άλλες εφαρμογές των Τεχνικών και Μεθόδων της Ιστοτοπικής Υδρολογίας

Πέραν των εφαρμογών στην Υδρολογία και Υδρογεωλογία ο εξοπλισμός του Εργαστηρίου μπορεί να αξιοποιηθεί και σε άλλα πεδία έρευνας όπως:

- Προσδιορισμός της ηλικίας κάθε μορφής δειγμάτων για την αρχαιολογική έρευνα και την έρευνα του παλαιοπεριβάλλοντος.
- Μελέτες παλαιοδιαίτας.
- Έρευνα των μεταβολών της στάθμης της θάλασσας στο παρελθόν.
- Παλαιοκλιματολογικές έρευνες.
- Προσδιορισμό της συγκέντρωσης του ραδιενεργού ραδονίου σε εσωτερικούς χώρους και στα συστήματα ύδρευσης.
- Καθοριστική ανίχνευση της νοθείας των αλκοολούχων ποτών.
- Προσδιορισμό του ποσοστού προέλευσης του εκλυόμενου διοξειδίου του άνθρακα από την καύση των πετρελαιοειδών (αυτοκίνητα, κεντρική θέρμανση, βιομηχανία) στις αστικές περιοχές.
- Μελέτες της ραδιενέργειας της ατμόσφαιρας εξαιτίας των πυρηνικών δοκιμών την δεκαετία του '60.
- κ.α.



ΕΞΟΠΛΙΣΜΟΣ ΕΡΓΑΣΤΗΡΙΟΥ

Ο βασικός εξοπλισμός του Εργαστηρίου είναι:

- Φασματογράφος Μάζας (SIRA Series II Isotope Ratio Mass Spectrometer του οίκου VG) για τον προσδιορισμό των συγκεντρώσεων των ισοτοπικών λόγων $^{18}\text{O}/^{16}\text{O}$, D/H, $^{13}\text{C}/^{12}\text{C}$, $^{15}\text{N}/^{14}\text{N}$.
- Συσκευή μέτρησης, ασθενών ραδιενεργειών με την Τεχνική του Υγρού Σπινθηριστή για μετρήσεις Ραδιοάνθρακα (Packard-Tricarb, Model 2560 TR/XL).
- Συσκευή μέτρησης, ασθενών ραδιενεργειών με την Τεχνική του Υγρού Σπινθηριστή για μετρήσεις Τριτίου, Ραδονίου (Packard-Tricarb LSA, Model 2250 CA).



- Φορητός μετρητής Ραδονίου υψηλής ακρίβειας για μετρήσεις υγρών και αέριων δειγμάτων (DurrIDGE Radon Detector – Rad 7).
- Συσκευή ηλεκτρόλυσης για τον εμπλουτισμό δειγμάτων νερού σε Τρίτιο.
- Δύο συσκευές γυάλινων σωληνώσεων υψηλού κενού σύνθεσης βενζολίου από διάφορα δείγματα για τις ραδιοχρονολογήσεις.
- Συσκευή γυάλινων σωληνώσεων υψηλού κενού προεργασίας δειγμάτων για μετρήσεις $^{18}\text{O}/^{16}\text{O}$, $^{13}\text{C}/^{12}\text{C}$.
- Συσκευή γυάλινων σωληνώσεων υψηλού κενού προεργασίας δειγμάτων για μετρήσεις D/H.

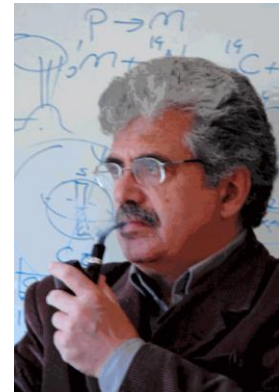


Ερευνητικές δραστηριότητες και συνεργασίες του Εργαστηρίου

Ο επιστημονικός Υπεύθυνος του Εργαστηρίου Δρ. Νικόλαος Ζουριδάκης έχει αναπτύξει ένα σημαντικό αριθμό συνεργασιών με διάφορους φορείς.

Ενδεικτικά αναφέρονται οι εξής:

- Ιστοτοπική Έρευνα στο Καρστικό σύστημα Λευκών Ορέων, Κρήτη, ΙΓΜΕ Κρήτης, Πανεπιστήμιο Avignon, 1999-2001.
- Ιστοτοπική Έρευνα στο Όρος Τρόδος, Κύπρος, Ελληνική Μεταλλευτική, 2000-2001.
- Ιστοτοπική Έρευνα των ποταμών Νέστου και Κόσινθου, Πολυτεχνική Σχολή Ξάνθης, 2003-2006.
- Προσδιορισμός συγκεντρώσεων Ραδονίου σε συστήματα ύδρευσης στη Θράκη, Πολυτεχνική Σχολή Ξάνθης, 2005.
- Ιστοτοπική Έρευνα Λίμνης Τριχωνίδας, ΕΛΚΕΘΕ/ ΙΕΥ, 2003-2004.
- Ραδιοχρονολογήσεις Νεολιθικού Σπηλαιού Διρού, 1995-2000.
- Ραδιοχρονολογήσεις τύρφης στον Μαλιακό Κόλπο, Εφορεία Παλαιοανθρωπολογίας Σπηλαιολογίας, 1996.
- Ραδιοχρονολογήσεις Σπηλαιού Κάψια Τριπόλεως, 1996.
- Ιστοτοπική Έρευνα στη Λίμνη Βεγορίτιδα, Εταιρεία Γεωδυναμική, 2002-2003.
- Προσδιορισμός συγκεντρώσεων Ραδονίου σε συστήματα ύδρευσης στη Χαλκιδική και στη Λίμνη Βόλβη, Εταιρεία Terramentor, 2001-2003.
- Ιστοτοπική Έρευνα στα Μεσογειακά Εποχικά Λιμνία, Πρόγραμμα Life Nature, 2005-2006.
- Ιστοτοπική Έρευνα στην Κεντρική και Νότια Πελοπόννησο, ΙΓΜΕ, 2005-2006.
- Προσδιορισμός της ραδιενέργειας της ατμόσφαιρας στον Ελληνικό χώρο εξαιτίας των πυρηνικών δοκιμών της δεκαετίας του '60, Διεθνές Πρόγραμμα του Διεθνούς Οργανισμού Ατομικής Ενέργειας, ΙΑΕΑ, 1997-1998.
- Συμβολή των Ιστοτοπικών Μεθόδων στον προσδιορισμό της βασικής ροής (baseflow) σε λεκάνες απορροής, Διεθνές Πρόγραμμα του Διεθνούς Οργανισμού Ατομικής Ενέργειας, ΙΑΕΑ, 2004-2006.
- κ.α.



Το Εργαστήριο Ιστοτοπικής Υδρολογίας του Ε.Κ.Ε.Φ.Ε. «Δημόκριτος» επιζητεί συνεργασία με κάθε ενδιαφερόμενο που θα ήθελε να χρησιμοποιήσει τις δυνατότητες, την τεχνογνωσία και την εμπειρία που διαθέτει.



Πληροφορίες:

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ΧΑΤΖΟΠΟΥΛΕΙΟ ΔΗΜΟΤΙΚΗ ΒΙΒΛΙΟΘΗΚΗ
ΔΗΜΟΥ ΠΟΡΟΥ, ΜΟΝΙΜΗ ΕΚΘΕΣΗ
"ΚΟΧΥΛΙΑ ΚΑΙ ΘΑΛΑΣΣΑ-ΕΝΑΣ ΚΟΣΜΟΣ
ΧΩΡΙΣ ΣΥΝΟΡΑ"

Αν επισκεφτείτε τον Πόρο περάστε από τη ΧΑΤΖΟΠΟΥΛΕΙΟ ΔΗΜΟΤΙΚΗ ΒΙΒΛΙΟΘΗΚΗ του ΔΗΜΟΥ όπου στεγάζεται η ΜΟΝΙΜΗ ΕΚΘΕΣΗ "ΚΟΧΥΛΙΑ ΚΑΙ ΘΑΛΑΣΣΑ-ΕΝΑΣ ΚΟΣΜΟΣ ΧΩΡΙΣ ΣΥΝΟΡΑ" που εγκαινιάζεται στις 29/7/06 στις 8.30 μμ

Στόχος της έκθεσης είναι η ευαισθητοποίηση τόσο του ντόπιου πληθυσμού του νησιού, κυρίως των νέων, όσο και των επισκεπτών του, γύρω από τον κόσμο της θάλασσας και ιδιαίτερα σε ότι αφορά στην προστασία του.

Για την επίτευξη αυτού του στόχου τα κοχύλια αποτελούν το έναυσμα, προκαλώντας τον επισκέπτη να σκύψει και να ερευνήσει, να μάθει για τον κόσμο τους. Η έκθεση περιλαμβάνει τρεις ενότητες: Γεωλογία – Παλαιοντολογία, Κοχύλι και Άνθρωπος, Βιολογία – Οικολογία και είκοσι τρεις ενότητες με αναφορές στο κοχύλι ως απολίθωμα, ως αρχαιολογικό εύρημα και ως σύγχρονος οργανισμός. Το ζεύγος Χέλγκα και Γεώργιος Κανελλάκη προσέφερε τη συλλογή κοχυλιών από την Ελλάδα και το εξωτερικό και χρηματοδότησαν την υλοποίηση της έκθεσης, ενώ ο Δήμος Πόρου προσέφερε τη στέγασή της. Η επιστημονική παρουσίαση της έκθεσης πραγματοποιήθηκε από τον Τομέα Ιστορικής Γεωλογίας και Παλαιοντολογίας του Τμήματος Γεωλογίας και Γεωπεριβάλλοντος του Πανεπιστημίου Αθηνών με επιστημονικό υπεύθυνο τον Αναπληρωτή Καθηγητή του Πανεπιστημίου Αθηνών, Δρ. Γεώργιο Θεοδώρου. Συνεργάστηκαν η Δρ. Ε. Βαρδαλά-Θεοδώρου (θαλάσσια βιολογία), ο Δρ. Κ. Κυριακόπουλος (ηφαιστειολογία), η Δρ. Μ. Γκιώνη (αρχαιολογία), Msc. Ε. Τσιώλη (μουσειολογική υποστήριξη), ενώ φωτογραφικό υλικό από υποθαλάσσιες φωτογραφίες και αεροφωτογραφίες πρόσφεραν ο κ. Κ. Βράτιτς και ο υιός του Π. Βράτιτς και ο κ. Ν. Δανηλίδης.

ACQUISITIONS LISTS FROM THE LIBRARIES OF THE ASCSA

The Libraries of the American School of Classical Studies at Athens are now making monthly Acquisitions lists available.

Monthly lists for Ambrosia (AMERICAN BRITISH Online Search In Athens) [The union catalogue of the Blegen and Gennadius Libraries of the American School and the Library of the British School] are available from June 2006 at:

<http://www.ascsa.edu.gr/NewBooks.htm>

Monthly lists for the Blegen Library are available from February 2006 at:

<http://www.ascsa.edu.gr/blegen/newbooks.asp>

-Chuck Jones-

Charles Ellwood Jones
Head Librarian
The Blegen Library
American School of Classical Studies at Athens
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<http://www.ascsa.edu.gr/blegen/>

INTERNET SITES

LAUNCH OF INTUTE

Dear colleagues,

Please find below a forwarded message announcing the launch of Intute, a free online service that publishes reviews of Internet resources useful to both academic staff and students. Intute replaces Humbul and several other similar services aggregating in one place resources for all academic subjects. You may find the section about archaeology here: <http://www.intute.ac.uk/artsandhumanities/archaeology/> and further sections of possible interest to you may be 'classics' and 'history'. The service is aimed at the UK academic community but is freely accessible by anyone; the University of Oxford takes care of the sections mentioned above.

The migration of databases is taking more time than expected, but new reviews should appear shortly. Intute's category 'Mycenaean Greece' equals the one correctly named 'Aegean prehistory' in Humbul; this and other minor glitches will be corrected in due course. If you would like to submit a Web site for review in the category 'archaeology' or have any comments, please contact me off-list at a_vianello@hotmail.com or use the form available on the site. We review sites in any language, and you are welcome to submit sites in languages other than English. They will be reviewed by a specialised team at the University of Oxford provided that they are original and suitable for the academic community.

I bring to your attention the new booklet in archaeology. Also of interest may be the MyIntute service, which allows anybody to bookmark and organise in tagged lists any records and export such lists to personal websites or email them. This service may be used in particular by lecturers and tutors to prepare and distribute to students lists of reviewed Internet resources; they mirror bibliographic lists as much as possible.

I hope this notice may be of interest to some of you.

Best Regards,

Andrea Vianello

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WWW1: <http://tinyurl.com/423p5>
WWW2: <http://tinyurl.com/b9neg>

RADIOCARBON ARCHIVES ONLINE

Hello everyone,

We are pleased to announce that Radiocarbon issues from 1959 to 1999 are available online at <http://radiocarbon.library.arizona.edu/radiocarbon/>

Access to the articles is FREE and requires no password, login, etc. All you need is a web browser and the free Adobe Acrobat Reader software. Years 2000-2003 will be online in the next few weeks. The most recent years (2004-present) will continue to be available to subscribers at <http://www.ingentaconnect.com/content/arizona/rdc>

This project is an experiment in “open access.” The University funded the project completely in return for our agreement that the issues would be made available free of charge. We are grateful for the University’s support.

If you happen to encounter a problem while using the site, please email me to let me know. Most problems have been repaired, but there may still be some minor bugs needing to be fixed.

We hope this site will be a useful resource for all in the community.

Best,
Mark

Mark McClure
RADIOCARBON Managing Editor
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www.radiocarbon.org

THERA VOLCANO 'ALIVE AND HEALTHY'

Dear Listmembers,

News from the research around Thera this summer can be found at:

<http://www.uri.edu/news/releases/?id=3654>

"While investigating the seafloor around Santorini, the scientists explored the submarine crater of the Kolumbo volcano, just 5 kilometers from Thera and part of the same volcanic complex, and discovered an extensive field of previously unknown hydrothermal vents. Using remotely operated vehicles from the Institute for Exploration, the scientists recorded gases and fluids flowing from the vents at temperatures as high as 220 degrees Centigrade.

"Most of the known vents around the world have been found on the mid-ocean ridges in very deep water and in areas where there are geologic plate separations," Sigurdsson explained. "The Kolumbo and Santorini volcanoes are in shallow water at plate convergences, the only place besides Japan where high-temperature vents have been found in these conditions."

"The high temperature of the vents tells us that the volcano is alive and healthy and there is magma near the surface," added Carey.

The scientists said that, in addition to fluids and gases, the vents are emitting large quantities of metals, including silver, which precipitate out to form chimneys on the crater floor up to 10 feet tall and 2 to 4 feet wide. The floor of the crater is covered in a layer of red and orange mats of bacteria 2 to 3 inches thick that live on the nutrients in the vent fluids. Bacteria also cover the vent chimneys, and 4- to 5-inch long, hair-like bacterial filaments extend from the chimneys making them "look like hairy beasts, like woolly mammoths," according to Sigurdsson."

Best wishes,
Bjarte Kaldhol

ΝΕΕΣ ΕΚΔΟΣΕΙΣ – NEW PUBLICATIONS

ISSUE X, 2006/2 OF ARCHAEOLOGIA BULGARICA

Issue X, 2006/2 of Archaeologia Bulgarica will be printed in a week.
<http://www.techno-link.com/clients/lvagalin/index.html>

Its contents follow below.

L.F.Vagalinski (editor)

ArchBulg X, 2006, 2

Articles

Hristova, T. Data on the Burial Rites during the Middle Bronze Age Period in Today's Northern Bulgaria 1-8

Popov, Ch. Eine aeltereisenzeitliche Fibelgruppe aus Koprivlen (Suedwestbulgarien) - Problemkreis und Interpretationsversuche 9-36

Sharankov, N. A Military Diploma of 7 March 70 AD 37-46

Markov, N. Silver Late Antique Seal from a Private Collection 47-54

Kirilov, Ch. Die Reduktion der ummauerten Stadtflaeche und die Frage nach dem Verfall der antiken Stadt 55-104

Reviews

PRIHODNJUK, O.M.: PASTIRSKE GORODISHCHE. Kiew-Chernivci: Zelena Bukovina, 2005, 244 S. (152 Ill.)(Rashev, R.) 105-107

NEW BOOK - THEBES. FOUILLES DE LA CADMEE. II.2. LES TABLETTES EN LINEAIRE B DE LA ODOS PELOPIDOU: LE CONTEXTE ARCHEOLOGIQUE. LA CERAMIQUE DE LA ODOS PELOPIDOU ET LA CHRONOLOGIE DU LINEAIRE B

Dear Colleagues,

I'm pleased to announce that the following book has just been published:

Eleni Andrikou, Vassilis L. Aravantinos, Louis Godart, Anna Sacconi, Joanita Vroom, Thèbes. Fouilles de la Cadmée. II.2. Les tablettes en linéaire B de la Odos Pelopidou: le contexte archéologique. La cèramique de la Odos Pelopidou et la chronologie du linéaire B, Pisa - Roma, Istituti Editoriali e Poligrafici Internazionali, 2006, ISBN 88-8147-396-8

The book presents a detailed analysis of the Late Helladic III and Medieval pottery from the Pelopidou Street excavation and a new general study on the chronology of the linear B texts from Thebes and the other Mainland and Cretan sites.

Table of Contents:

Avant-propos.

E. Andrikou, THE LATE HELLADIC III POTTERY:

1. Introduction;
2. The pottery:
 - 2.1. Introduction;
 - 2.2. Fabric;
 - 2.3. Deposit 3 (Deposit 3a; Deposit 3b; Deposit 3c; Synopsis); 2.4. Deposit 2 (Deposit 2a and 2b; Synopsis); 2.5. Deposit 1 (Deposit 1b, 1c; Synopsis; Deposit 1a; Synopsis); 2.6. The pottery from Floors 1-5 (Floor 1; Floor 2b; Floor 3; Floor 4; Floor 5; Floor 2a); 2.7. Pictorial pottery; 2.8. Handmade Burnished pottery; 2.9. Roof tiles; 3. Final observations;
4. Catalogue of pottery; Bibliography; Abbreviations; Plates; Plans 1A, 1B, 2, 3.

J. Vroom, BYZANTINE GARBAGE AND OTTOMAN WASTE:

1. Introduction;
 2. The content of the pits;
 3. The order of description;
 4. Catalogue of complete vessels from the pits; 5. Discussion of the pottery in the catalogue; 6. Historical background : the Byzantine period; 7. Historical background : the Turkish period.
 8. Conclusion.
- Figures.

V. L. Aravantinos, L. Godart, A. Sacconi, LA CHRONOLOGIE DU LINÉAIRE B:

1. La situation thébaine: historique des découvertes de textes en linéaire B a Thèbes; Les endroits de trouvailles et la datation des documents d'archives thébains; 2. Les autres sites de Grèce continentale; 3. Les sites crétois; 4. Les causes des catastrophes.

The book can be ordered from:

Istituti Editoriali e Poligrafici Internazionali Via G. Carducci, 60 56010 Ghezzano La Fontina (Pisa) Italia

Fax +39-050-878732

E-Mail iepi@iepi.it

Web: www.libraweb.net

In the same series four volumes have already appeared and are available for purchase from the publisher:

I. Vassilis L. Aravantinos, Louis Godart, Anna Sacconi, Thèbes. Fouilles de la Cadmée. I. Les tablettes en linéaire B de la Odos Pelopidou. Edition et commentaire, Pisa - Roma 2001.

III. Vassilis L. Aravantinos, Louis Godart, Anna Sacconi, Thèbes. Fouilles de la Cadmée. III. Corpus des documents d'archives en linéaire B de Thèbes (1-433), Pisa - Roma 2002.

IV. Vassilis L. Aravantinos, Maurizio Del Freo, Louis Godart, Anna Sacconi, Thèbes. Fouilles de la Cadmée. IV. Les textes de Thèbes (1-433). Translittération et tableaux des scribes, Pisa - Roma 2005.

V. Maurizio Del Freo, I censimenti di terreni nei testi in lineare B, Pisa - Roma 2005.

The following volumes are in preparation:

II.1 Vassilis L. Aravantinos, Louis Godart, Anna Sacconi et alii, Thèbes. Fouilles de la Cadmée. II.1. Les tablettes en linéaire B de la Odos Pelopidou. Le contexte archéologique.

VI.1-2 Atti del XII Colloquio Internazionale di Micenologia, Roma, 20-25 febbraio 2006.

CALL FOR PAPERS - VOLUME THREE - JOURNAL OF THE AUSTRALIAN EARLY MEDIEVAL ASSOCIATION

Following the recent publication of volume two of our journal, the Association is now pleased to invite contributions for next year's edition, volume three.

We welcome scholarly papers (which will be reviewed by at least one member of AEMA's panel of expert referees) across the range of disciplines and fields that relate to the early medieval period.

Abstracts (and some papers in full) from volumes one and two can be viewed on our website at <http://home.vicnet.net.au/~medieval/publications.html>, together with the terms on which papers will be accepted and the Journal style guide: <http://home.vicnet.net.au/~medieval/styleguide.html>.

Notes (less than 1,500 words) of informed comment on aspects of early medieval scholarship are also welcomed for consideration.

Submissions should be provided in electronic form (e-mail attachment or disk; please save as an rtf file for ease of conversion) by **31 October 2006**, for anticipated publication in May 2007.

Please send your paper to:

email: tonyearls@gmail.com

or post:

Journal Editor

Australian Early Medieval Association

GPO Box 3343

MELBOURNE 3001 (Receipt will be acknowledged.)

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SLATINO PREHISTORIC SETTLEMENTS, BY STEFAN CHOHADZHIEV

Dear Colleagues,



It is a pleasure to inform you that a new book on Balkan prehistory came out of print– “Slatino – prehistoric settlements” by Stefan Chohadzhiev. The book covers the results from the archaeological excavations in Slatino, Kyustendil district, Western Bulgaria. The site was discovered in 1939 by the American archaeologist James H. Gaul and was explored in the years 1981-1988 by the author. The prehistoric settlements date back to the end of VIth and the beginning of Vth millennium B.C. The book includes information about seven prehistoric sites around the village of Slatino– six in the locality “Karo” and one multilayered in “Chardako”, all of them belonging to the Late Neolithic and Early Chalkolithic. The book is 210x297 mm format, 276 pages, bilingual – Bulgarian and English. The structure of the text is as follows: Preface to the second

edition, Introduction, Chapter 1- Location stratigraphy and absolute chronology; Chapter 2- Architecture; Chapter 3- Economy; Chapter 4- Pottery; Chapter 5 – Spiritual life; Chapter 6- Synchronous sites and cultures; Chapter 7- Social structure and References. The text comprises 39 dense pages (5800 characters per page). The appendix consists of 12 tables and 206 figures. In the tables various information is given – Chemical composition of different samples, Quantitative distribution of artifacts, Cluster analyses, Synchronizations ect. The Figures are 2 maps, 46 field plans and pictures; 154 tables with drawings and black and white pictures of various artifacts and 4 tables with color pictures of some of the most attractive finds. Every figure has annotation on both Bulgarian and English. Very useful is the index for the correspondence between drawings and pictures. The book makes of Slatino one of the most important and fully published prehistoric settlements at the Balkans. “Slatino – prehistoric settlements” is an exclusive property of the author and is distributed only by him. The price is: For Europe - 29 Euro, including postage For USA – 39 USD, including postage If you like to order it you can do it at: alcho_2000@yahoo.com

Best wishes,

Alexander Chohadzhiev

PAUL ÅSTRÖMS FÖRLAG - NEW PUBLICATIONS

David Frankel and Jennifer M. Webb, Marki *Alonia*. An Early and Middle Bronze Age Settlement in Cyprus. Excavations 1995-2000. With contributions by Paul W. Croft, Sherry C. Fox, Kirsi O. Lorentz, C. Jack Moyer, David S. Reese and Michael A. Smith (SIMA 123:2, Sävedalen 2006. 778 pp., numerous figs, 68 pls, 10 plans. Bound. ISBN 91-7081-218-7. Published by Paul Åströms förlag. Vol. 1 (SIMA 113.1) is still in print.

Michael Wedde (ed.), Celebrations. Sanctuaries and the Vestiges of Cult Activity. Selected Papers and Discussions from the Tenth Anniversary Symposium of the Norwegian Institute at Athens, 12-16 May 1999 (Papers from the Norwegian Institute at Athens 6), Bergen 2004 (printed 2006). 303 pp., numerous figs. ISBN 82-91626-23-5. Distributed by Paul Åströms förlag. Contains six papers on Middle Helladic, Minoan and Mycenaean rituals, religious architecture, sanctuaries and glyptic.

The publications are available from Paul Åströms förlag, Mimersvägen 44, SE-433 64 Sävedalen, Sweden, e-mail: paul.astrom@bredband.net

NEW BOOK RELEASE BY THE AUSTRIAN ACADEMY OF SCIENCES

The Mykenische Kommission of the Austrian Academy of Sciences is pleased to announce the release of a new title:

Eva ALRAM-STERN – Sigrid JALKOTZY-DEGER (Hg.)

****Aigeira* I. Die Mykenische Akropolis**

*

Dieser Band, der die Publikationsreihe zu den österreichischen Ausgrabungen in der antiken Stadt von *Aigeira* in Achaia eröffnet, legt die prähistorischen sowie alle mykenischen Funde – mit Ausnahme der mykenischen Keramik – von der höchsten Erhebung des Siedlungsgebietes, der sogenannten Akropolis, vor. Endneolithische, früh- und mittelhelladische Keramik und Kleinfunde sind die ältesten Zeugnisse für eine Besiedlung des Plateaus. Aus der postpalatialen mykenischen Siedlungsphase Späthelladisch IIIC werden die Kleinfunde, die archäozoologischen und archäobotanischen Hinterlassenschaften sowie die 14C-Datierung vorgestellt. Diese lassen den Charakter der Siedlung und ihre Stellung innerhalb des mykenischen Griechenlands näher definieren.

This volume which is the first in the publication series of the Austrian excavations of ancient *Aigeira* in Achaia presents all prehistoric and Mycenaean findings (with the exception of the Mycenaean pottery) from the highest part of the settlement area, the so called acropolis. The oldest witnesses of human settlement are pottery and small finds from the Final Neolithic, Early and Middle Helladic periods. From the postpalatial Mycenaean settlement phase Late Helladic IIIC the publication comprises the small finds, the archaeozoological and archaeobotanical remains as well as the 14C-dating of the site. These finds help to define the character as well as the position of the site within Mycenaean Greece.

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EΙΔΗΣΕΙΣ - NEWS RELEASE

REPLICA OF 3,300-YEAR-OLD SHIPWRECK ARRIVES IN BODRUM

Wednesday, June 28, 2006

The Uluburun II, which is on display in Bodrum, started to be built in 2004 using late Bronze Age techniques and set sail in 2005

ANKARA - Turkish Daily News



A replica of the oldest known shipwreck, Uluburun II, built by the 360 Degree Historical Research Association in Urla, İzmir, arrived in Bodrum on Monday for display as part of activities marking the 80th anniversary of Cabotage Day.

Previously the ship had anchored in Istanbul, Marmaris, Cyprus and Kaş readying for the Cabotage Day celebrations, a maritime festival that commemorates the establishment of Turkey's sea borders and celebrated annually on July 1, reported the Anatolia news agency.

The Uluburun II, which is on display in Bodrum and sponsored by the Bodrum Peninsula Promotion Foundation started to be built in 2004 using late Bronze Age techniques and was launched in 2005.

A photography exhibition featuring images from the ship's voyages opened at the Bodrum Underwater Archaeology Museum accompanied by a documentary screening.

Celebrations held at Bodrum Castle for the arrival of Uluburun II were attended by Muğla Governor Temel Koçaklar, Bodrum official Abdullah Kalkan and Bodrum Mayor Abdullah Kalkan.

Following a one-month stay in Bodrum, the ship will set sail for Greece's İstanköy and Kilimli islands, aiming to promote Turkey and its underwater archeological wealth.

Archaeologist Osman Erkurt, who is also the ship's captain, said: "Our main difficulty is finding sponsors for voyages. Sometimes we only had YTL 10 when we set sail."

The Uluburun sank in the 14th century 8.5 kilometers southeast of Kaş in Uluburun Bay while carrying copper and tin from Alexandria to Crete. It was discovered in 1982 by a diver.

The remains of the shipwreck were unearthed by an excavation team consisting of archaeologists and divers and the process has lasted over 20 years.

Considered to be one of the most significant archaeological finds of the 20th century, the 3,300-year-old Uluburun took its place in history as the oldest commercial vessel while the artifacts -- including a 3,300-year-old seal believed to belong to Egyptian Queen Nefertiti, a huge amphora and jewelry -- excavated from the shipwreck excited science and archeology circles.

The artifacts discovered in the Uluburun shipwreck are still on display at the Bodrum Underwater Archaeology Museum.

Please visit the site: <http://www.turkishdailynews.com.tr/article.php?enewsid=47389>

ΑΠΟΚΤΗΘΗΚΕ ΑΠΟ ΤΟ ΑΡΧΑΙΟΛΟΓΙΚΟ ΜΟΥΣΕΙΟ, ΓΝΗΣΙΟ ΤΟ «ΔΑΧΤΥΛΙΔΙ ΤΟΥ ΘΗΣΕΑ»

[ΜΑΙΡΗ ΑΔΑΜΟΠΟΥΛΟΥ](#)

Γνήσιο αποφαίνονται οι επιστήμονες πως είναι το «δαχτυλίδι του Θησέα», που περνά στη συλλογή του Εθνικού Αρχαιολογικού Μουσείου έναντι 75.000 ευρώ.

Αυθεντικό κατέληξαν οι επιστήμονες πως είναι το χρυσό σφραγιστικό «δαχτυλίδι του Θησέα», το οποίο φέρεται να έπεσε από τα χώματα που κύλησαν τη δεκαετία του '50 από την Ακρόπολη στην αυλή ενός σπιτιού στα Αναφιώτικα της Πλάκας. Η αναλυτικότερη τελική έκθεση της φυσικοχημικής μελέτης των εργαστηρίων του «Δημόκριτου» - η απουσία της οποίας είχε πυροδοτήσει αντιδράσεις σε προηγούμενη συνεδρίαση του Κεντρικού Αρχαιολογικού Συμβουλίου - σε συνδυασμό με την καλλιτεχνική ανάλυση που έγινε από τριμελή επιτροπή αρχαιολόγων, συγκλίνουν στο συμπέρασμα πως το αξίας (κατ' εκτίμηση) 150.000 ευρώ δαχτυλίδι που χρονολογείται στο τέλος του 15ου αι. π.Χ. και ζυγίζει 20 γραμμάρια είναι αυθεντικό (χωρίς να αποκλείεται εντελώς η πιθανότητα να είναι κίβδηλο), με αποτέλεσμα τα μέλη του ΚΑΣ να γνωμοδοτήσουν υπέρ της απόκτησής του για τον εμπλουτισμό των συλλογών του Εθνικού Αρχαιολογικού Μουσείου - που διαθέτει τον μεγαλύτερο αριθμό (30) κρητο-μυκηναϊκών δαχτυλιδιών στον κόσμο. Άλλα τόσα υπάρχουν στα υπόλοιπα ελληνικά και ξένα μουσεία - προσφέροντας στην κάτοχο του δαχτυλιδιού Άννα Φιλοπούλου - Τζουστάκη αποζημίωση ίση με το μισό της αξίας του, δηλαδή 75.000 ευρώ.

Κλειδιά για την αυθεντικότητα του δαχτυλιδιού αποδείχθηκαν οι κόκκοι χαλαζία της επιφάνειάς του και η σύγκρισή του με άλλα γνήσια δαχτυλίδια, αλλά και τον νεολιθικό θησαυρό του ΕΑΜ. «Η μορφολογία της επιφάνειας του δαχτυλιδιού περιέχει χαρακτηριστικούς κόκκους χαλαζία, γραμμές λείανσης και χρήσης εντελώς όμοιες με αυτές του γνήσιου σφραγιστικού μυκηναϊκού δαχτυλιδιού αρ. 992 και των νεολιθικών περιάπτων που έχουν εξεταστεί (...). Το κράμα του συγκεκριμένου δαχτυλιδιού είναι μάλλον απίθανο να έχει προέλθει από σύγχρονες διαδικασίες καθαρισμού, διότι τα κράματα του εμπορίου είναι από ορυχεία και βιομηχανικά καθαρισμένα και δεν περιέχουν στρογγυλεμένους κόκκους χαλαζία. Επιπλέον, οι σημερινές διαδικασίες καθαρισμού θα είχαν απομακρύνει εντελώς τα όποια εγκλείσματα χαλαζία. Συμπερασματικά, όλα τα παραπάνω αποτελέσματα και οι συγκρίσεις συνηγορούν μάλλον υπέρ της αυθεντικότητας του δαχτυλιδιού. Η πιθανότητα να είναι κίβδηλο δεν μπορεί να αποκλειστεί εντελώς από τη φυσικοχημική ανάλυση, αλλά είναι μικρή», αναφέρεται στην έκθεση του «Δημόκριτου».

Για την απόδειξη της γνησιότητάς του επιστρατεύθηκαν ειδικές αρχαιομετρικές αναλύσεις και έλεγχος με μικροσκόπιο σάρωσης και έγινε εντοπισμός ιχνών των χειροποίητων εργαλείων (και όχι τροχού, τον οποίο θα χρησιμοποιούσε κάποιος πλαστογράφος). Όλα αυτά, σε συνδυασμό με την πρωτότυπη σκηνή του - απεικονίζει μια ανθρώπινη μορφή να πηδά πάνω από έναν ταύρο - η οποία παραπέμπει στα γνωστά από τη μινωική Κρήτη ταυροκαθάψια (αν και πλαισιώνεται επιπλέον από ένα ζώο, πιθανόν λιοντάρι, όπως και από ένα φυτό που δηλώνει πως τα συμβάντα εκτυλίσσονται στην

ύπαιθρο) και εκφράζει συμβολικά την κυριαρχία του ανθρώπου πάνω στη φύση - το εντάσσουν «αβίαστα στην κρητο-μυκηναϊκή παράδοση», σύμφωνα με τις διακεκριμένες αρχαιολόγους Ελένη Παπάζογλου, Αικατερίνη Δημακοπούλου, Νότα Δημοπούλου, οι οποίες συγκρότησαν ειδική επιτροπή για την εξέτασή του. Και για τους λόγους αυτούς συνηγόρησαν ομόφωνα υπέρ της γνησιότητάς του, ενώ το χαρακτήρισαν «αξιόλογο έργο τέχνης».

Κρυψώνα το κοτέτσι

Τη δεκαετία του '50, όταν γινόταν η επέκταση της ανατολικής πτέρυγας του Μουσείου Ακροπόλεως, ανάμεσα στα χώματα που κύλησαν στην αυλή του Π. Φιλόπουλου στα Αναφιώτικα της Πλάκας βρέθηκε το χρυσό δαχτυλίδι. Τα ίχνη του χάθηκαν, καθώς ο άνθρωπος που το ανακάλυψε δεν είχε αποκαλύψει τον κρυψώνα σε κανέναν. Στα τέλη του 2003, και αρκετά χρόνια μετά τον θάνατό του, εμφανίστηκε και πάλι χαμένο ανάμεσα στα τούβλα του κοτετσιού στο εξοχικό της οικογένειας, στην Αγία Μαρίνα Βάρκιζας. Η νύφη τού Π. Φιλόπουλου, Άννα Φιλοπούλου - Τζουστάκη, ζήτησε και πήρε άδεια νόμιμης κατοχής του δαχτυλιδιού το 2004 και αφού το είχε παραδώσει προς μελέτη στο Εθνικό Αρχαιολογικό Μουσείο.

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http://ta-nea.dolnet.gr/print_article.php?e=A&f=18603&m=P24&aa=1

AEGEAN’S RITUAL PREHISTORY

**BY NORMAN HAMMOND, ARCHAEOLOGY
CORRESPONDENT**

The prehistoric marble sculptures of the Cyclades are noted for their spare, elegant lines: they are also notorious for being in large part looted, with few having a known archaeological provenance, and for attracting the attentions of fakers. Recent discoveries on the island of Keros have shown that these enigmatic figurines, and the stone bowls made from the same marble, arguably by the same artists, were deposited in rituals equally puzzling.

Cycladic art dates to the third millennium BC, a product of the society which arose in the Aegean islands not long before Minoan Crete and then Mycenaean Greece emerged as Europe’s first literate civilisations. Originally thought rather crude, its figurines — ranging from hand-sized to more than a metre in height — gained stature in the eyes of collectors as the taste for simplicity in modern sculpture developed in the last century.

Their role in Ancient Cycladic society remained a mystery; research this summer on the island of Keros by a team led by Professor Colin Renfrew, of Cambridge University, has provided a wealth of quite literally hard evidence, although its significance is as yet unclear.

In 1963 Professor Renfrew, then a student, visited the island and “was staggered to pick up on the surface numerous fragments of marble bowls and figurines”. Looters moved in on Keros, and in the 1970s the “Keros Hoard” was cited as the origin of many unprovenanced pieces sold on the art market.

The “Keros Enigma” was that, while many scholars felt that the looted pieces had come from an ancient cemetery, none had ever been discovered: one grave was known, together with settlement remains on the neighbouring islet of Daskalio. A massive deposit, thought to have contained thousands of figurine and bowl fragments, was also known to have been looted in the 1960s.

Some ascribed the fragmentary condition of most pieces to looters, but Professor Renfrew, noting the lack of joinable fragments and the apparently ancient and weathered nature of the fracture surfaces, believed that they had been deposited already broken. Excavations this year at the site of Daskalio Kavos confirmed his thesis.

The team reported to the Greek authorities that “the discovery of a further, undisturbed, special deposit followed by its careful excavation shows that all the material found was already broken in fragments before it became buried in Ancient times.”

“The rarity of joining pieces, as well as the different degrees of weathering, make clear that they were broken elsewhere and brought, already in fragmentary form, to the exceptionally rich deposit.”

The cemetery interpretation is excluded by the lack of human remains. Pottery, such as the spouted “sauce boats”, was brought in from islands including Naxos, Syros and Amorgos, and possibly from the Greek mainland. Professor Renfrew believes that the figurines and bowls had equally diverse origins. The overall quantity of fine pottery and marble objects found at Daskalio Kavos “rivals the total from all the known Cycladic cemeteries.”

The site can therefore be recognised as “the first major ritual centre of Aegean prehistory”, antedating the Mycenaean shrine on the island of Milos excavated by Professor Renfrew some years ago.

Please visit the site: <http://www.timesonline.co.uk/article/0,,61-2321538,00.html>
