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# Πληροφοριακό Δελτίο της Ελληνικής Αρχαιομετρικής Εταιρείας

**- Απρίλιος 2007 -**

# Newsletter of the Hellenic Society of Archaeometry

**- April 2007 -**

**Nr. 73**

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**ΣΥΝΕΔΡΙΑ - CONFERENCES/WORKSHOPS**

**THE MIDDLE BRONZE AGE STUDY  
GROUP, THE 2007 WORKSHOP, MAY  
24<sup>TH</sup>, 2007, ISRAEL ANTIQUITIES  
AUTHORITY BUILDING, HAR  
HOTZVIM, JERUSALEM**

Dear all,

Please find below a preliminary notification on the 2007 meeting of the Middle Bronze Age Study Group, which will take place on May 24<sup>th</sup>, 2007, at the Israel Antiquities Authority building at Har Hotzvim in Jerusalem, and will deal with the MB II in the Hill Country of Canaan. Both the lectures (invited) and a "show and tell" of pottery from selected sites will be included. Please note that the lectures will be in Hebrew – the pottery is multi-lingual!

Please save the date. Further details will be provided in the future.

Feel free to pass this on to interested parties

In the name of the organizers (Aren Maeir, Ezra Marcus, Joe Uziel, Zvi Greenhut),

Aren

\*\*\*\*\*

Prof. Aren M. Maeir  
Director, The Tell es-Safi/Gath Archaeological Project  
Chair, The Martin (Szusz) Department of Land of Israel Studies and Archaeology  
Bar-Ilan University, Ramat-Gan 52900, ISRAEL  
Tel (W) +972-3-5318299/8350; (M) +972-54-6205082  
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email: [maeira@mail.biu.ac.il](mailto:maeira@mail.biu.ac.il)  
project website: [www.dig-gath.org](http://www.dig-gath.org)  
project weblog: [gath.wordpress.com](http://gath.wordpress.com)

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We are happy to announce that the Middle Bronze Age Study Group (MBSG) annual workshop will convene on Thursday May 24<sup>th</sup>, 2007, at the Israel Antiquities Authority building in Har Hotzvim, Jerusalem.

This year's topic will be "The Central Hills Region during the MB II." Several invited lectures will be presented, followed by discussions and a workshop where ceramic finds

from selected MB II sites in Hill Country of Canaan will be presented. Please note that this year's workshop will be held in Hebrew.

Further details will follow.

Please reserve the date!

Please feel free to notify colleagues, students and all interested parties.

Hoping to see you in Jerusalem,

Aren Maeir, Ezra Marcus, Joe Uziel, Zvi Greenhut



## **MALTA SUMMER FIELD SCHOOL 2007,** **FROM JULY 28 TO AUGUST 16, 2007**

We offer young anthropologists and cultural scientists a unique opportunity to acquire some 'in the field' experience. The islands of Malta present a kaleidoscope of past and present: a fascinating legacy of European culture and rural Mediterranean traditions, represented in the living history of the fishing villages. Situated in the heart of the Mediterranean, Malta possesses a typical island culture. Yet, this has not led to isolation, on the contrary. As a consequence of its location at the crossroads of maritime routes between Europe, Africa and Asia, Malta has always been strategically important. Many different cultures set foot on the islands, leaving their imprint. These foreign influences are for instance obviously present in the Maltese language. At the same time, Malta has a perfectly English-speaking population. This enhances the accessibility for foreign researchers like the starting anthropologist! Plenty of possibilities for interesting field research are available: from architectural and religious sites to tourism and ethnic relations.

**Please visit the site:**

**<http://www.xpeditions.be/projects/anthropologyinmalta/anthropologyinmalta.html>**

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**7<sup>TH</sup> ANNUAL MEETING OF**  
**POSTGRADUATE CYPRIOT**  
**ARCHAEOLOGY (POCA), 19<sup>TH</sup>-20<sup>TH</sup>**  
**OCTOBER 2007, UNIVERSITY OF**  
**CYPRUS**

Dear colleagues,

The 7th annual meeting of Postgraduate Cypriot Archaeology (POCA) will be held on the 19th- 20th October 2007 at the Main Auditorium of the University of Cyprus. The event will be organised for the first time in Cyprus, by the Department of History and Archaeology of the University of Cyprus.

POCA 2007 will open on the 18th October 2007 at 7.30 p.m. with a plenary lecture by Dr Nicholas Stanley-Price. An excursion is planned for the 21st October 2007, depending on adequate participation.

This symposium offers an excellent opportunity to postgraduate students and new scholars, from various backgrounds and disciplines, who are currently carrying out research on Cypriot Archaeology, to present their work, exchange ideas and meet people who carry out research in the same field. Undergraduates are also warmly invited to attend.

There is no registration fee.

We welcome all papers regarding archaeological, anthropological, historical, sociological or other aspects of material culture of Cyprus and related subjects. There are no chronological limits.

Interested scholars are invited to submit an abstract (max. 150-200 words) and a short biographical note by the 1st of August 2007 to [poca2007@ucy.ac.cy](mailto:poca2007@ucy.ac.cy) Papers should be 20 minutes long, as they will be followed by discussion. Please note that we intend to publish the proceedings, if a sufficient number of papers is submitted. All submissions will be subject to editorial review, and therefore acceptance for presentation does not automatically guarantee inclusion in the final publication.

POCA 2007 committee kindly request that you inform any interested individuals within your research community regarding this event.

We look forward to seeing you in Nicosia!

For further information regarding participation or online registration please visit <http://www.ucy.ac.cy/~poca2007>

If you have any enquiries please contact us at [poca2007@ucy.ac.cy](mailto:poca2007@ucy.ac.cy) or Skevi Christodoulou at [skevi\\_13@yahoo.com](mailto:skevi_13@yahoo.com) and Anna Satraki at [asatraki@yahoo.gr](mailto:asatraki@yahoo.gr)

Alternatively, you can write to us at:

POCA 2007 Organising Committee,  
Archaeological Research Unit,  
University of Cyprus,  
P.O.Box 20537,  
CY1678 Nicosia, Cyprus

Best regards,  
POCA 2007 Organising Committee

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**SUMMER SCHOOL IN ANCIENT AND  
HISTORIC METALS: 2007,  
UCLA:COTSEN INSTITUTE OF  
ARCHAEOLOGY, MONDAY 13<sup>TH</sup>  
AUGUST – SATURDAY 18<sup>TH</sup> AUGUST**

Course Aims: This six-day course will act both as an introduction and a focus of more intensive study dealing with the examination, analysis, metallographic examination and deterioration of ancient and historic metals. The course is designed to benefit conservators, scientists and archaeologists who wish to learn how to prepare metallic samples for metallographic study, learn something of the technological aspects of the working and structure of metals, and how corrosion and patination can be discussed and examined.

Artefacts for examination: Over the past 25 years an unrivalled collection of mounted metallographic samples has been assembled, which are studied as part of the course practical work, involving both polarized light microscopy and metallographic microscopy of both freshly polished and etched samples. These samples range from cast iron from China to wootz steel from India, bronze coinage alloys from the Roman Empire to high-tin bronze from ancient Thailand, silver alloys from the Parthian period to ancient Ecuador, gilded copper and tumbaga from Peru and Colombia, to mention only a few of the geographical areas covered by available samples. Course participants will be instructed in the use of polishing and etching in the examination of samples and are encouraged to keep digital images of the samples they have prepared during the week. Students may also bring their own samples for examination if mounted and ground, or if not mounted, then one or two samples may be brought which can be mounted and prepared during the course.

Course Instructor:

Professor David A. Scott, Director of the MA program in Archaeological and Ethnographic Conservation. His book, *Copper and Bronze in Art: Corrosion, Colorants, Conservation* won the prize from the Association of American Publishers as the best Scholarly/Art book published in the USA in 2002. Professor Scott has published over 70 papers in the peer-reviewed literature and is an Editor for the journal *Studies in Conservation*.

Course Schedule: The course will be held over the six days from Monday 13th August-Saturday 18th August, 2007. The course will be held at the Cotsen Institute of Archaeology, located in the basement of the Fowler Museum Building at the UCLA campus in Los Angeles from 9:15am-5pm each day. The course is open to a maximum of 10 participants only.



Course Costs: The cost of the instruction for the six days will be \$800.00. For details of payment and to register for this course, as well as to receive leaflets on local housing and hotels, please contact the course organizer and director:

Professor David A. Scott  
Room A410  
The Cotsen Institute of Archaeology, UCLA  
405 Hilgard Avenue  
Los Angeles CA 90095-1510, USA  
dascott [at] ucla\_\_edu.

### **Course Details:**

#### **Monday:**

Introduction, use of the metallurgical microscope, the mounting and polishing of samples, their preparation, use of resins, grinding and polishing. Introduction to phase diagrams and their application to ancient bronzes and copper alloys. Copper-arsenical, copper-nickel, and copper-tin alloys. Casting and working of metals and aspects of bronze casting in the ancient world. Etching of some copper alloys. Recording of samples with digital camera and case studies in the examination of a group of copper alloy plaques and a bronze figurine of the God Osiris will be discussed.

#### **Tuesday:**

Continuation of the examination of copper-tin and copper-tin-lead alloys. Ancient coinage alloys of the Roman period, examination of copper-arsenic bronzes, aspects of the corrosion of bronze and copper alloys. The Pourbaix diagram and some of its applications. The extraction of metals from their ores and some principles of the Ellingham diagram.

#### **Wednesday:**

The phase diagram for copper-silver and lead-tin alloys. Examination of silver and debased silver alloys. Surface enrichment and corrosion. Problems in the authentication of ancient silver and bronze alloys. Metallographic examination of ancient silver alloys and techniques of etching silver. Discontinuous precipitation phenomena and the age of silver alloys. Colour etching of both copper alloys and silver alloys. The Philosopher plate and the Strozzi silver basin: case studies from the J. Paul Getty Museum.

#### **Thursday:**

Mounting of samples brought by students. Examination of some ternary phase issues in relation to gold-silver-copper alloys. The corrosion of tumbaga alloys and aspects of the Pourbaix diagram. Video concerning the extraction of iron and steel. Introduction to iron and steel. The principles of corrosion and the eight types of corrosion of metals. The examination of iron from meteorites. The technology of ancient iron and steel in the West, in India and in China will be contrasted and samples illustrating these different technologies examined. The metallography of ancient iron alloys.

**Friday:**

Corrosion issues of iron and steel. Weathering steel and patinas, the nature of iron corrosion products and their implications for the stabilization of iron artefacts during conservation treatments. Problems with the examination of lead, lead-tin, zinc, and aluminium alloys. The reasons why brass was made by cementation, the extraction of metallic zinc and examination of samples of brass alloys. The use of solders and aspects of tinning of ancient bronzes. Examination of mounted specimens prepared on the Tuesday, and continuation of practical metallography.

**Saturday:**

Gold and gold alloys: gilding: examination of gold alloys. Lecture on the technology of ancient gold alloys in South America. Continuation of metallographic practical examination.

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**ΘΕΣΕΙΣ ΕΡΓΑΣΙΑΣ/ΥΠΟΤΡΟΦΙΕΣ –**  
**JOB VACANCIES/FELLOWSHIPS**

**KECK LAB POSITION**

The Department of Earth System Science at UC Irvine has an immediate opening for a Specialist or a Project Scientist to support operations of the W. M. Keck Carbon Cycle Accelerator Mass Spectrometer (KCCAMS).

The overall mission of the Keck facility is to use isotopes (primarily  $^{14}\text{C}$ ) to study the carbon cycle and its relationship with climate. We use  $^{14}\text{C}$  as a dating tool for placing paleoclimate records in time, and we also use  $\delta^{13}\text{C}$  and  $\Delta^{14}\text{C}$  measurements in soils, sediments, land and marine biota, carbonates, organic matter, atmospheric gases, and individual organic compounds, as tracers for the carbon cycle.

The successful applicant will assist in the processing of samples through the KCCAMS sample preparation laboratory, help visiting researchers and students, and also participate in sample measurement, data analysis, and technical development as part of the overall activity of the research group. Over time, he/she will increasingly share a managerial role. While the primary emphasis of the position will be on laboratory operations and upgrading, the successful applicant will also be encouraged to collaborate scientifically in program areas of the laboratory.

Applicants should have an M.S. or higher degree in Physics, Chemistry or Earth Science, or equivalent experience. Experience in AMS sample preparation and spectrometer operation and familiarity with carbon cycle research and radiocarbon methods is desired. Appointment level and salary will be commensurate with qualifications and experience, based on University of California salary scales. The Specialist and Project Scientist series are term positions, and the appointment will initially be made for two years. However, it is anticipated that this will be a long term position, contingent on continued funding for the laboratory.

A curriculum vitae including names and contact information for three references should be sent to John Southon or Guaciara Santos, Dept of Earth System Science, U.C. Irvine, Irvine, CA 92697-3100; email [jsouthon@uci.edu](mailto:jsouthon@uci.edu), [gdossant@uci.edu](mailto:gdossant@uci.edu).

The University of California, Irvine is an equal opportunity employer committed to excellence through diversity.

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## **SPACE STILL AVAILABLE: BU MEDITERRANEAN ARCHAEOLOGICAL FIELDSCHOOL**

The 2007 Boston University Mediterranean Archaeological Field School will take place at the site of Torre d'en Galmes on the island of Menorca, Spain. The program is in its sixth year and consists of a six-week excavation campaign combined with lectures, laboratory work and study tours of the island's cultural and historical monuments, as well as relevant ecological and natural sights. Lectures will set Menorca within a larger Mediterranean context, focusing on the island as a crossroads of civilization throughout its history.

Participants will excavate a structure built during the late Iron Age period, around the third century B.C., and then reused during the Roman occupation of the island. Therefore, the best documented period of the site belongs to the Classical world. Although Menorca underwent significant changes during the Roman period, the island's inhabitants continued to use the settlements, which were occupied and later abandoned until the 13th century. The field school will focus on the use of domestic space throughout time, from the Late Iron Age through the Roman period to medieval times. The adaptation and acculturation processes are key to understanding this use of space.

There is still a space available for this field school. Please contact Rochelle Keesler (ro30@bu.edu) at BU International Program for information on how to apply today. Although the original deadline has passed, there is still room for additional students. For full details please visit the BU Study Abroad listing at <http://www.bu.edu/abroad/programs/spain/menorca/index.html>

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**UNIVERSITY OF SOUTHAMPTON (UK),**  
**POSTDOCTORAL FELLOWSHIP,**  
**KALAUREIA RESEARCH PROJECT,**  
**SCHOOL OF HUMANITIES**

Salary £24,402

Applications are invited for a Research Fellowship within the Archaeology Discipline, School of the Humanities at the University of Southampton. The successful applicant will be expected to undertake research work with Dr Yannis Hamilakis in the research project <sup>3</sup>Archaeologies of the Contemporary Past<sup>2</sup>, part of the Kalaureia Excavation Project (<http://www.sia.gr/kalaureia/> <https://webmail.manchester.ac.uk/horde/services/go.php?url=http%3A%2F%2Fwww.sia.gr%2Fkalaureia%2F>).

He/she will assist Dr Hamilakis in ethnographic and ethno-historical data gathering, analysis and publication; implement the community archaeology aspect of the project in collaboration with Dr Hamilakis and other members of the Kalaureia team; and organize seminars and workshops relevant to this project.

Applicants should have a PhD in Archaeology, Anthropology, or a cognate discipline. They should also have a near native knowledge of Modern Greek, and training in ethnographic methods. A special requirement of the post is residence on the island of Poros (Greece) for a full year. You will be expected to undertake research work with Dr Yannis Hamilakis in the research project "Archaeologies of the Contemporary Past" (investigating local attitudes towards antiquities), part of the Kalaureia Excavation Project (<http://www.sia.gr/kalaureia/> <https://webmail.manchester.ac.uk/horde/services/go.php?url=http%3A%2F%2Fwww.sia.gr%2Fkalaureia%2F>>").

The appointment is for two years and will commence no later than October 1 2007. For enquiries relating to this post, please contact Dr Yannis Hamilakis, tel. 0238 059 4766, email [yh1@soton.ac.uk](mailto:yh1@soton.ac.uk) `javascript:open_compose_win('to=yh1%40soton.ac.uk&thismailbox=INBOX')` (<http://www.arch.soton.ac.uk/People/default.asp?Staff=yannis>

<https://webmail.manchester.ac.uk/horde/services/go.php?url=http%3A%2F%2Fwww.arch.soton.ac.uk%2FPeople%2Fdefault.asp%3FStaff%3Dyannis>>)

The closing date for this position is 12.00 midday on 30 March 2007. Additional information can be found at the University of Southampton website ([www.soton.ac.uk](http://www.soton.ac.uk)) (Job opportunities)

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## ΠΡΟΚΗΡΥΞΗ

# Η ΥΠΟΤΡΟΦΙΑ ΤΗΣ ΕΛΛΗΝΙΚΗΣ ΕΤΑΙΡΕΙΑΣ ΓΙΑ ΜΕΤΑΠΤΥΧΙΑΚΕΣ ΣΠΟΥΔΕΣ ΑΡΧΙΤΕΚΤΟΝΑ ΜΗΧΑΝΙΚΟΥ ΣΤΟ ΠΑΝΕΠΙΣΤΗΜΙΟ YORK ΤΗΣ ΑΓΓΛΙΑΣ 2007-2008

Η ΕΛΛΗΝΙΚΗ ΕΤΑΙΡΕΙΑ για την Προστασία του Περιβάλλοντος και της Πολιτιστικής Κληρονομιάς με χορηγία του **Ιδρύματος Α. Γ. Λεβέντη** προκηρύσσει διαγωνισμό για μία (1) υποτροφία για μεταπτυχιακές σπουδές διάρκειας ενός (1) έτους για το ακαδημαϊκό έτος 2007-2008 στο **Centre for Conservation Studies του Πανεπιστημίου York (Αγγλία)** σε θέματα συντήρησης μνημείων.

Η θέση προκηρύσσεται καταρχήν για Έλληνες, Ελληνοκυπρίους και ελληνικής καταγωγής **αρχιτέκτονες μηχανικούς**. Οι υποψήφιοι πρέπει να έχουν άριστη γνώση της αγγλικής γλώσσας και, στην περίπτωση που είναι υπάλληλοι (Δημοσίου, Οργανισμών Τοπικής Αυτοδιοίκησης, ΝΠΔΔ ή ιδιωτικοί), να μπορούν να εξασφαλίσουν άδεια απουσίας ή εκπαιδευτική άδεια ενός πλήρους έτους, η οποία να αρχίζει την 1.9.2007.

Οι ενδιαφερόμενοι πρέπει να υποβάλουν αίτηση στην ΕΛΛΗΝΙΚΗ ΕΤΑΙΡΕΙΑ, όπου θα αναγράφονται τα πλήρη στοιχεία του αιτούντος (διεύθυνση, τηλέφωνο κ.λπ.). Η αίτηση θα συνοδεύεται από συνοπτικό αλλά πλήρες βιογραφικό σημείωμα (σπουδές, ομιλούμενες γλώσσες, προγενέστερη πείρα σε θέματα συντήρησης, δημοσιεύματα κ.λπ. με όλα τα σχετικά αποδεικτικά).

Οι υποψήφιοι πρέπει να δηλώσουν απαραιτήτως στην αίτησή τους κατά πόσον έχουν άλλη τυχόν υποτροφία για μεταπτυχιακές σπουδές στο Πανεπιστήμιο York της Αγγλίας για το έτος 2007-2008. Εάν τυχόν έχει χορηγηθεί άλλη υποτροφία στον υποψήφιο, τούτο δεν αποκλείει τη συμμετοχή του στον παρόντα διαγωνισμό. Εάν όμως ο υποψήφιος επιλεγεί για τη χορήγηση της παρούσας υποτροφίας, προϋπόθεση της χορήγησής της είναι η παραίτηση από οποιαδήποτε άλλη παράλληλη υποτροφία.

Οι **αιτήσεις** μπορούν να υποβληθούν ιδιοχείρως στο γραφείο της ΕΛΛΗΝΙΚΗΣ ΕΤΑΙΡΕΙΑΣ, Τριπόδων 28, 10558 Αθήνα (Πλάκα), καθημερινά, 10.00-17.00, εκτός Σαββάτου και Κυριακής, τηλ. 2103225245, 2103226693, να σταλούν με fax (2103225240) ή να σταλούν ταχυδρομικώς (στην Ελληνική Εταιρεία), το αργότερο μέχρι την **Τρίτη 24 Απριλίου 2007** (Πληροφορίες: **Ειρήνη Γρατσία, 210-3225245 εσ. 3, [sak@ellinikietairia.gr](mailto:sak@ellinikietairia.gr), [www.ellinikietairia.gr](http://www.ellinikietairia.gr)**)

Οι υποψήφιοι θα πρέπει να περάσουν γραπτή και προφορική εξέταση στην αγγλική γλώσσα την **Πέμπτη 3 Μαΐου 2007, στις 15:00** στα γραφεία της Ελληνικής Εταιρείας. Οι επιτυχόντες θα έχουν προσωπική συνέντευξη με την Εξεταστική Επιτροπή ειδικών

καθηγητών και επιστημόνων, τη Δευτέρα 14 Μαΐου 2007, 15:00-17:00. Τα αποτελέσματα θα ανακοινωθούν την Παρασκευή 18 Μαΐου 2007 στα γραφεία της Ελληνικής Εταιρείας, ώρες 10:00-17:00.

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## ***ΝΕΕΣ ΕΚΔΟΣΕΙΣ – NEW PUBLICATIONS***

### **LOWER DANUBE IN ANTIQUITY**

A new title has been printed:

The Lower Danube in Antiquity (VI C BC - VI C AD). International Archaeological Conference, Bulgaria-Tutrakan, 6.-7.10.2005. NOUS Publishers LTD, Sofia 2007, 410 pp (incl. 12 pp in colour), 20,6 X 28,6 cm, ISBN: 978-954-90387-8-1, 39 papers from 9 countries, in English (36 papers) and in German (3 papers)

Its contents:

Ilian Iliev / Dobrin Antonov / Ivelin Kuleff / Ernst Pernicka:

CHEMICAL AND LEAD COMPOSITION OF 6TH-1ST C BC BRONZE TOOLS FROM NORTH-WESTERN BULGARIA.....7-23

Alexander Minchev: SOME ASPECTS OF CULTURAL EXCHANGE DURING 5TH-1ST C BC IN NORTH-EASTERN THRACE: THRACIAN, SCYTHIAN AND CELTIC BRIDLE FRONTLETS IN THE MUSEUM OF ARCHAEOLOGY AT VARNA...25-36

Georgi Atanasov / Yuri Yorgov: THE VALLEY OF KAMCHIYA RIVER IN SMYADOVO-DRAGOEVO REGION DURING THE CLASSICAL AND HELLENISTIC AGES.....37-44

Nartsis Torbov: FOUR-WHEEL CHARIOT FROM MOGILANSKATA TUMULUS IN VRATSA.....45-54

Boika Zlateva / Ivelin Kuleff / Romyana Djingova: CHEMICAL COMPOSITION OF THE RESIN RESIDUE FOUND IN ANCIENT GREEK AMPHORA.....55-58

Dragos Mandescu: A WITNESS OF THE FASHION'S CHANGE IN THE 3RD C BC AT THE LOWER DANUBE: THE FIBULA OF HYBRID TYPE .....59-63

Elina Mircheva: LA TENE C FIBULAE KEPT IN VARNA ARCHAEOLOGICAL MUSEUM.....65-72

Lyudmil F. Vagalinski: CELTIC POTTERY IN NORTHERN BULGARIA.....73-82

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## ΕΙΔΗΣΕΙΣ - NEWS RELEASE

# GREEK ARCHAEOLOGISTS FIND HERA STATUE

By COSTAS KANTOURIS, Associated Press Writer Thu Mar 1, 5:58 PM ET  
THESSALONIKI, Greece –

A 2,200-year-old statue of the goddess Hera has been found built into the walls of a city under Mount Olympus, home of Greece's ancient gods, archaeologists said on Thursday. The headless marble statue was discovered last year during excavations in the ruins of



A marble statue of the ancient Greek goddess Hera is shown in this undated handout...

ancient Dion, some 53 miles southwest of Thessaloniki.

Archaeologist Dimitris Pantermalis said the life-sized — by human dimensions — statue had been used by the early Christian inhabitants of Dion as filling for a defensive wall.

He said the 2nd century B.C. find appeared to have originally stood in a temple of Zeus, head of the ancient Greek gods — whose statue was found in the building's ruins in 2003 and after whom Dion was named.

"We have reached the conclusion that the statue of Hera stood next to that of Zeus in the temple," said Pantermalis, a Thessaloniki University professor who has headed excavations at Dion for more than three decades.

Hera was the long-suffering wife of Zeus, a notorious philanderer, according to ancient mythology.

"The statue represents a female form seated on a throne, and is made of thick-grained marble like the one of Zeus," Pantermalis said. "It shows exactly the same technique and size, which led us to link the two statues beyond doubt."

Pantermalis said that, if confirmed, it would be the first time two statues of different gods have been located from a single temple in Greece. He said it was also possible that a statue of Athena, goddess of wisdom, could have stood in the temple of Zeus, and expressed hopes it might be discovered during future excavations.

Dion was a major religious center of the ancient Macedonians. Alexander the Great offered sacrifices there before launching his victorious campaign against the Persian Empire in the 4th century B.C.

Excavations so far have revealed temples, theaters and a stadium, city walls, a hotel, baths and streets with an elaborate drainage system, as well as many statues.

The area was first inhabited during the Iron Age, and survived into early Christian times when it was the seat of a bishop.

Pantermalis will present the find on Friday, during a three-day archaeological conference that opened in Thessaloniki Thursday.

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