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ΣΥΝΕΔΡΙΑ - CONFERENCES/WORKSHOPS

“BRONZE AGE CRETE: THE FIRST “EUROPEAN CIVILIZATION”? INTERPRETATIONS, USES, AND APPROPRIATIONS OF THE “MINOAN” PAST, VENICE, ITALY, 25-27 NOVEMBER 2005

Organised by Yannis Hamilakis (University of Southampton) and Nicoletta Momigliano (University of Bristol), with the assistance of Filippo Carinci (University of Venice).

The year 2000 saw the hundredth anniversary of the rediscovery of the ‘Minoan civilization’ of Crete, which since 1900 has been hailed as the ‘First European Civilization’ or as the ‘Cradle of European Civilization’.

This centenary was marked by a number of well-organized celebrations and useful publications. These, however, were largely of nationalistic and self-congratulatory character, and mostly addressed to a similarly narrow audience. An opportunity was therefore missed to investigate a series of questions, which remain largely unexplored but can contribute to important debates in various disciplines, beside Minoan archaeology:

1. How has the Cretan Bronze Age past been produced and shaped by historical, social, and political contingencies?
2. How does the political economy of archaeological practice in this field shape interpretations, representations, and appropriations of the past?
3. How has the Cretan Bronze Age past been appropriated and deployed in the negotiation of local, regional, national and supra-national identities, and how has it been used in the legitimization of present-day agendas and concerns?
4. How does the ‘Minoan’ archaeological production operate within the tourist industry and the media?

The workshop on “Bronze Age Crete: the first ‘European Civilization’” addresses some of the questions outlined above, and produces a more reflexive examination and critical historicization of the rediscovery of ‘Minoan civilization’, its interpretations, representations, receptions, and impact on modern Cretan, Greek, and European identities. The workshop will also contribute to current broader discussions in archaeology, anthropology, history, museum and cultural studies, on issues such as the socio-politics of the past, the role of past material culture in the production of identities, colonialism and nationalism, and the political economy of disciplinary practices. It is our conviction that the ‘Minoan’ past offers a unique case study to address these important concerns.

PROVISIONAL PROGRAMME

FRIDAY 25 NOVEMBER

18.00-19.00. Welcome

SATURDAY 26 NOVEMBER

Venue: Department of 'Scienze dell'Antichità, sezione Archeologica, Palazzo Bernardo-Favero, S. Polo 1977-30125, University of Venice.

1st Session. 'The present in the past: inventing and producing the "Minoans"'.

9.00. Philip Carabott, 'A country in a 'state of destitution' labouring under an 'unfortunate regime': Crete at the turn of the 20th century (1896-1906) (Respondent: Momigliano)

9.30: James Whitley, 'The Minoans: a Welsh invention? A view from East Crete' (Respondent: Carinci)

10.00. Sue Sherratt, 'Representations of Knossos and Minoan Crete in the international press, 1900-c.1930' (Respondent: Carabott)

10.30. Christine Morris, 'From ideologies of motherhood to "collecting mother goddesses" (Respondent: Gere)

11.00. coffee break

11.30. Filippo Carinci, 'Doro Levi and Minoan archaeology (1950-1980) – history of a heresy without stakes' (Respondent: Andrew Sherratt).

12.00. Vincenzo La Rosa and Pietro Militello, 'Minoan Crete and 20th century Italian culture' (Respondent: Sjögren).

12.30. Andrew Sherratt, 'Crete, Greece and the Orient in the thought of Gordon Childe' (Respondent: Militello)

13.00-14.00: Lunch

16.00. Ken Lapatin, 'Forging the Minoan past' (Respondent: Blakolmer)

16.30. Philip Duke, 'Ancient Minoan sites as modern conceptual metaphors' (Respondent: J. Bennet)

17.00. General discussion on first session (Andrew Sherratt)

17.30-17.45. Break.

2nd Session. ‘The past in the present: appropriating and consuming the “Minoans”’.

17.45. Roderick Beaton, ‘The Minoans in the modern literature of Crete’, (Respondent: La Rosa)

18.15. David Roessel, ‘Happy little extroverts and bloodthirsty tyrants: Minoans and Mycenaeans in English literature after Evans and Schliemann’ (Respondent: Momigliano)

18.45 end first day.

SUNDAY 27 NOVEMBER

Venue: Department of ‘Scienze dell’Antichità, sezione Archeologica, Palazzo Bernardo-Favero, S. Polo 1977-30125, University of Venice.

Continuation of 2nd Session. ‘The past in the present: appropriating and consuming the “Minoans”’.

9.00. Yannis Hamilakis, ‘The colonial, the national, and the local: legacies of the “Minoan” past’ (Respondent: Solomon)

9.30. Esther Solomon, ‘The relevance of the Minoan archaeological heritage in everyday practices: an anthropological perspective’ (Respondent: Duke)

10.00. Cathy Gere, ‘Cretan psychoanalysis and Freudian archaeology: Hilda Doolittle’s Minoan analysis with Freud in 1933’ (Respondent: Roessel)

10.30. Fritz Blakolmer, ‘The arts of Bronze Age Crete and the European modern style: similarities and dependencies in shaping identities’ (Respondent: Lapatin)

11.10: Coffee break

11.30 Lena Sjögren, ‘the Minoan paradigm and Scandinavian Bronze Age’ (Respondent: Sue Sherratt).

12.00. Anna Simandiraki, ‘Minoan experience of schoolchildren in Crete’ (Respondent: Militello)

12.30. General discussion on second session and final remarks (John Bennet)

NURT`2006: FIFTH INTERNATIONAL SYMPOSIUM ON NUCLEAR AND RELATED TECHNIQUES, APRIL 3-7, 2006, HAVANA CUBA

The Symposium NURT is one of the key Cuban Scientific Meetings in the field of peaceful applications of nuclear techniques in the economic and social life. The previous editions of the NURT were arranged in 1997, 1999 and 2003, hosting delegates and invited scientists from more than 40 countries from all over the world.

The NURT`2006 will be organised by the Centro de Aplicaciones Tecnológicas y Desarrollo Nuclear (CEADEN) in co-ordination with the Agencia de Energía Nuclear y Tecnologías de Avanzada (AEN&TA) and the Cuban Physics Society (SCF). NURT`2006 will be devoted to the presentation of results and the discussion of current problems in several fields of applied research, which are arranged in several Workshops.

Detailed information on the Symposium is provided in:

<http://www.ceaden.cu/nurt/index.asp>

On behalf of the Organizing Committee, we invite you to visit our website and to join our forthcoming meeting. We highly appreciate if you could register for the Symposium at your earliest convenience, in order to speed up the organisation of the Scientific Programme.

Deepest regards,

Roman Padilla
Ivan Padron

Chairmans NURT`2006 Organizing Committee.

19TH INTERNATIONAL RADIOCARBON CONFERENCE, OXFORD, 3RD-7TH APRIL 2006

The 19th International Radiocarbon Conference will be held at Oxford 3rd-7th April 2006.

Registration is now open. All details can be seen on the conference WWW site:
<http://www.rlaha.ox.ac.uk/c14/conference19/>

You are also invited to submit abstracts on-line.

The deadline for registration and abstract submission is 20th Jan 2006.

36TH INTERNATIONAL SYMPOSIUM ON ARCHAEOLOGY (ISA 2006), MAY 2ND - 6TH, 2006, QUEBEC CITY, CANADA

SECOND CIRCULAR

SECOND CALL FOR ABSTRACTS

***** NEW DEADLINE FOR ABSTRACT SUBMISSION *****

***** DECEMBER 15th, 2005 *****

The local Organizing Committee of the 36th ISA is pleased to send you this second circular to invite you to participate in the 2006 ISA conference held at Quebec City, Canada in May 2006.

Scope

The aim of the Symposium is to promote the development and use of scientific techniques in order to extract archaeological and historical information from the cultural heritage and the paleoenvironment. It involves all Natural Sciences and all types of objects and materials related with human activity.

In general, papers should deal with the development and/or application of scientific techniques for extracting information related to human activities of the past, including the biological nature of man himself and the environment in which he lived.

Papers that deal with weathering and deterioration of archaeological objects or monuments will be welcome provided they are relevant to one of the main themes of the Symposium. Papers that deal solely with conservation techniques or the development of materials for conservation are outside the scope of this conference and normally will not be accepted.

The subjects covered by the Symposium are grouped into the following fields that form the sessions under which the papers will be presented either as oral or poster.

Sessions

The Symposium has six regular sessions plus a theme session selected by the local organizing committee. It also includes a special sub-session.

Regular sessions are as follows:

1. **Field Archaeology** (Remote Sensing and Prospecting) and **Environmental Archaeology**
2. **Dating** (Organic and Inorganic Materials)
3. **Biomaterials** (DNA, Diet, Organic Residues Analysis and Agricultural Archaeology)
4. **Technology and Provenance I** (Stone, Plaster and Pigments)

5. *Technology and Provenance II* (Ceramics and Glass)
Special Sub-Session: *Isotope Studies of Glass*
6. *Technology and Provenance III* (Metals)
7. Special Theme Session: *Early Man in America*

Abstracts

Abstracts should have a length of between 200 and 400 words. They should contain: some introductory information about the objects or materials examined, a description of the research goals, the techniques used and the results obtained so far, including a short interpretation. The above information is necessary in order to help convenors to understand the work involved and to select the papers for oral or poster presentations.

Only papers with subjects that fall in one or more of the designated sessions of the Symposium will be accepted for presentation. Authors should indicate clearly on the Abstract Submission Form in which of the above sessions they would prefer their paper to be presented. Also, they should indicate if they prefer oral or poster presentation. Please also make sure to include complete information on the author(s) and affiliation(s).

To submit your abstract, please fill in the enclosed form and return it to us by e-mail to registration@isa2006.ulaval.ca by **December 15th, 2005**.

Venue

The Symposium will be held at the *Laboratoires d'archéologie of Université Laval*, situated at the Séminaire de Québec within the historic city walls of Old Quebec City, Canada. For more information please consult our Conference Website at <http://www.isa2006.ulaval.ca>.

The organizing committee will also provide information on possible travel arrangements and available accommodations during the Symposium on the Conference Website.

Social Program

During the Symposium the organizing committee will take the participants on a sightseeing tour of Quebec City. A symposium banquet will also be organized (at additional cost to the participants). The day after the symposium, a sightseeing trip will be offered for interested participants (also at additional cost). Further information will be included with the Website.

Language of the Symposium

The official language of the Symposium will be **English**.

Registration Fees

Registration fees for the conference are as follows:

Before March 1st, 2006:

- Symposium Participants: 300 \$US
- Students: 150 \$US (prove of student status is required)

On March 1st, 2006 or later:

- Symposium Participants: 350 \$US

- Students: 175 \$US

Please note that these fees include access to all sessions, coffee breaks, five lunches, the conference bag including the printed conference program complete with abstracts, and the sightseeing tour of Quebec City.

Key Dates

Deadline for submission of abstracts: **December 15th, 2005**

Notification of acceptance or rejection: **January 30th, 2006**

Deadline for early registration and payment of registration fee: **February 28th, 2006**

Deadline for hotel reservations: **February 28th, 2006**

Symposium Reception and Registration: **May 1st, 2006**

Sessions: **May 2nd - 6th, 2006**

Symposium excursion or departure: **May 7th, 2006**

Martin Aitken Prizes for Best Student Posters

To encourage the active participation of students in the Archaeometry Symposium, the Standing Committee offers **two prizes of 200 \$US each**, for the best posters representing the work of students enrolled in programs leading to degrees in science or archaeological science. Students must attend the Symposium to claim their prizes.

The Symposium is organized by

the Laboratoire d'archéologie, Université du Québec à Chicoutimi and the Groupe d'archéométrie, Université Laval, Québec, Canada.

The international standing committee is composed of the following persons:

PRESIDENT: M.S. Tite (Oxford)

CHAIRMAN: Y. Maniatis (Athens)

MEMBERS:

L. Barba (Mexico City)

K.T. Biro (Budapest)

R.M. Farquhar (Toronto)

H. Kars (Amsterdam)

P. Meyers (Los Angeles)

J.-F. Moreau (Chicoutimi)

J. Pérez-Arantegui (Zaragoza)

G.A. Wagner (Heidelberg)

Ch. Wang (Hefei)

S.U. Wisseman (Urbana)

Following are the members of the local organizing committee:

CHAIRMAN: Jean-François Moreau (Chicoutimi)

VICE CHAIRMAN: Réginald Auger (Quebec City)

SECRETARY: William Moss (Quebec City)

MEMBERS:

Jacques Chabot (Quebec City)

Anja Herzog (Quebec City)

André Miller (Quebec City)

For further information on the conference or to register, please contact the following persons:

Chairman

Dr. Jean-François Moreau
Laboratoire d'archéologie
Département des sciences humaines
Université du Québec à Chicoutimi
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Symposium Website: <http://www.isa2006.ulaval.ca>



SECOND INTERNATIONAL SYMPOSIUM ON BIOMOLECULAR ARCHAEOLOGY WILL TAKE PLACE IN STOCKHOLM, SWEDEN, SEPTEMBER 7-9, 2006

First announcement

The Second International Symposium on Biomolecular Archaeology will take place in Stockholm, Sweden, September 7-9, 2006.

Please visit our symposium website at www.archaeology.su.se/isba2

The general aim of the symposium is to stimulate research in the subject area and to encourage the exchange of information between researchers in different disciplines. Focus of the symposium will be the application of biomolecular techniques to archaeological questions, this ideally in combination with “traditional” archaeological research methods.

The symposium will have five plenary sessions during two days, followed by an excursion the third day.

Session themes:

- New techniques
- Degradation/diagenesis
- Food production and consumption
- Migration and cultural transmission
- Settlement and spatial organisation

The registration fee is 100 EUR, or 50 EUR for PhD students. Lunches, coffee/tea, pre-symposium pub, reception, banquet and the proceedings publication are included in the registration fee. The Proceedings will be published in Journal of Nordic Archaeological Science (JONAS, www.archaeology.su.se/arklab/jonas)

A more detailed call for papers will be issued in January 2006 – the deadline for submission of abstracts is 30 April 2006.

The organizing committee at the Archaeological Research Laboratory looks forward to seeing you in Stockholm.

Gunilla Eriksson
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"FORCES OF TRANSFORMATION: THE END OF THE BRONZE AGE IN THE MEDITERRANEAN" 25-6 MARCH 2006, ST. JOHN'S COLLEGE, OXFORD, U.K.

Call for Papers

The profound transformations that mark the end of Bronze Age civilisation in the eastern Mediterranean have been a focus of scholarly debate for over a century. Increasingly, scholarship has at its disposal a wide range of disciplines with which to approach this complex and controversial phenomenon. We believe that a cross-disciplinary dialogue between scholars from a diverse range of backgrounds will raise new questions, and offer fresh insights into a period of history that is far from being well understood.

A fundamental tenet we hope participants will address is causation, or the nuances and difficulties of cause and effect relationships as established systems disintegrated. We encourage papers exploring, but not limited to, research methods and historiography, climate and human ecology, maritime dynamics (including exchange systems), and issues concerning contact, interaction and identity. The geographical scope of the meeting includes any region even remotely affected by the dramatic developments that drew to an end the Bronze Age in the eastern Mediterranean. Likewise, philological, archaeological, iconographical and climatological/ecological data and discussions are welcomed. Presentations will take the form of a paper not to exceed 25 minutes in length. Proceedings will be published after peer review; acceptance for presentation at the conference does not guarantee inclusion in the publication.

Abstracts of no more than 200 words should be emailed (in Word format) to gareth.roberts@greyfriars.ox.ac.uk no later than 8 January 2006. Please include name, institution, contact details (including email address), and the paper title with your abstract. For more information on the conference, please visit the conference website listed above.

Please visit the conference website: <www.ashmolean.museum/Transformation/>

MINOAN SEMINAR - 1 NEW DATE; 2ND **DEC - POSTPONED**

The following is an update of the Minoan Seminar series.

NOTE 1: The Seminar on December 2nd 2005 by ELENI BANOU and ELENI TSIVILIKA has had to be postponed.

NOTE 2: Sandy MacGillivray's Seminar will now be given on Friday 16th December.

Friday 16 December at 7.30 p.m. NEW DATE.

Vignettes from The Minoan Book of the Dead: A new reading of the Minoan-Mycenaean gold rings

Lecture in English by Alexander MacGillivray

Chairman: Wolf-Dietrich Niemeier

(Friday 2 December at 7.30 p.m. POSTPONED UNTIL THE SPRING)

(The Middle Minoan coastal site at Pera Galenoi, Crete: Satellite of a Minoan Palace or not

Lecture in English by Eleni Banou

Chairman: Colin Macdonald)

Monday 27 February at 7.30 p.m.

The clay animal figurines and figures from the Juktas sanctuary

Lecture in English by Marika Zeimbekis

Chairman: to be announced

Tuesday 7 March at 7.30 p.m.

From House to House-tomb and on.... Monuments - diversity and tradition in Bronze Age east Crete

Lecture in English by Gerald Cadogan

Chairman: Lefteris Platon

TO BE SCHEDULED FOR MARCH

Ritual action at the edge of town: the Temple Tomb within the context of Neopalatial, Final Palatial and Postpalatial Knossos

Lecture in English by Eleni Hatzaki

Chairman: Birgitta P. Hallager

Abstracts will be sent out by e-mail a short time before each Seminar. The Web-site WWW.MINOANSEMINAR.GR (under reconstruction) should be consulted for any changes.

Anyone not on the mailing list who would like to be added to it, should contact the Secretary secretary@minoanseminar.gr

ΘΕΣΕΙΣ ΕΡΓΑΣΙΑΣ/ΥΠΟΤΡΟΦΙΕΣ –
JOB VACANCIES/FELLOWSHIPS

POSTDOCTORAL FELLOWSHIP IN
MATERIAL SCIENCE, NORTHWESTERN
UNIVERSITY

Please address all replies directly to [Dr. Francesca Casadio \(fcasadio@artic.edu\)](mailto:fcasadio@artic.edu)

This is a one-year fellowship funded through a grant awarded by the Andrew W. Mellon Foundation to the Art Institute of Chicago (AIC) and Northwestern University (NU) to perform advanced materials research on objects of art historical and cultural significance.

Focus of the postdoctoral fellowship will be the study of the technology of manufacture of metallic artifacts in the ancient and modern artistic production. In particular the research project will involve multidisciplinary research into archaeological Chinese bronzes and bronzes from AIC's modern art collection (especially works by P. Picasso, C. Brancusi and H. Matisse).

The post-doctoral fellow will be a NU employee and will receive an annual stipend of \$33,000. Additional funding for instrumental and facilities usage as well as training will also be provided. The appointment will start upon filling of the position, but hopefully no later than January 9th, 2006. It is expected that the results of the work generated will be presented at professional meetings (for which \$2,000 is budgeted) and published in professional journals.

Duties and responsibilities: The postdoctoral fellow will directly report to Professor David Dunand (James N. and Margie M. Krebs Professor of Materials Science and Engineering, NU) and will be co-supervised by Professor Joseph Lambert (Claire Hamilton Hall Professor of Chemistry, NU), Dr. Francesca Casadio (A.W. Mellon Conservation Scientist, AIC), and Dr. William Ellingson, senior researcher at Argonne National Laboratory (ANL). The incumbent will conduct X-ray computer assisted tomography (CAT)-scans of selected ancient Chinese bronzes from the AIC collection at Argonne National Laboratory. The postdoctoral fellow will also be required to set up and calibrate a quantitative method to analyze modern bronzes with AIC's portable micro X-ray fluorescence spectrometer and develop a database of elemental compositions for the investigated objects. Chemical and mineralogical characterization of all the major and minor components of the alloys of samples from internal areas of the bronze sculptures will also be performed, using inductively coupled plasma analysis (ICP) and standard metallographic analysis techniques at NU. Exploratory work to develop a suitable methodology for determination of methods and materials of patination will also be pursued.

Required skills, education and experience:

Ph. D. in Chemistry, Material Science, Archaeological Science, Geological Sciences or related disciplines.

Familiarity with, and proficiency in the application of current methods of materials analysis and characterization, in particular X-ray spectroscopy techniques, X-ray imaging and X-ray diffraction. Previous knowledge of ICP desirable.

Proven ability to conduct independent academic research required. English language skills and proven record of writing ability are required. The incumbent should be experienced in managing large numbers of data and performing data analysis and modeling. Significant computer knowledge will be requested to successfully carry out this project, in particular familiarity with both windows and LINUX operating systems, as well as knowledge of Adobe Photoshop® or similar image processing software.

Previous experience in the Conservation field preferable, but a strong interest for the visual arts and willingness to explore new areas of applied research are the most important qualities sought. In particular, an important pre-requisite is an interest in the integrated approach to scientific studies of objects of art-historical and cultural significance, involving synergistic collaborations between scientists and Museum 's conservators and curators.

Applications (including cover letter, resume', and name and contact information of two references) and enquires should be directed by e-mail to Dr. Francesca Casadio (fcasadio@artic.edu)

Review of applications will begin on Nov. 30th , 2005 and continue until the position is filled.



POSTDOC GEOMORPHOLOGY -
REMOTE SENSING –
GEOARCHAEOLOGY

CENTER FOR ARCHAEOLOGICAL
SCIENCES OF THE KATHOLIEKE
UNIVERSITEIT LEUVEN, BELGIUM

Dear colleagues,

The recently established Center for Archaeological Sciences of the Katholieke Universiteit Leuven (Belgium) is seeking to appoint five post docs for a period of 4 year, from 2006 onwards and this as soon as possible. One of the positions includes a post-doc geomorphologist with professional experience in geo-archaeology or geomorphology, and a good record of international publications. Knowledge of remote sensing and GIS is essential.

Primary responsibilities of the post include the application of remote sensing techniques for archaeological surveying and landscape studies, spatial modeling of landscape dynamics in a GIS-environment, preparation of publications and participation in fieldwork in the context of archaeological excavation sites by the K.U.Leuven (mainly in Turkey, Egypt and Syria), including the geomorphologic analysis of the environment surrounding the sites.

More information on this position, as well as on the four other post-doc positions, is given below. For the post-doc position in geomorphology, more information can also be obtained with Prof. G. Verstraeten on +32(0)16 32 64 11 or via e-mail at gert.verstraeten@geo.kuleuven.be.

Prof. dr Gert Verstraeten
Physical and Regional Geography Research Group, K.U.Leuven
Redingenstraat 16, B-3000 Leuven, Belgium
Phone: ++32/16/32.64.11 Fax: ++32/16/32.64.00

e-mail: gert.verstraeten@geo.kuleuven.be
URL: www.kuleuven.be/geography/frg

Centre for Archaeological Science
Vacancy for 5 post-doctoral positions

The main goal of the recently established Centre for Archaeological Science at the Katholieke Universiteit Leuven (Belgium) is to support archaeological research projects (currently: Sagalassos, Turkey – Tell Tweini, Syria - Deir al-Barsja, Egypt - Laboratory of Prehistory) with an extensive and in-depth experience built up in the Faculties of Exact Sciences and Engineering in Leuven. This expertise is also made available to all other archaeological projects in Flanders and beyond.

The approach of the Centre towards archaeology is based on an intensive interdisciplinary exchange, whereby archaeologists and scientists interact on as many levels as possible, starting with field work, over laboratory analyses towards joint data processing and publishing. The integrated approach is new and offers unique opportunities for innovative research. The Centre will act as a pole of attraction for a variety of archaeological research projects involved in bio- and geo-archaeology, as well as image processing.

The research topics of the Centre include the archaeometry of archaeological materials and related provenancing of raw materials (stone, clay, glass, metal), climatic and environmental reconstructions, geomorphological analysis of archaeological sites and their environment, residue analysis of pottery, dietary reconstructions, physical anthropology and improved image processing of archaeological artifacts and sites.

The techniques on offer include state of the art chemical, mineralogical and petrographical analyses of ancient artifacts and raw materials, pollen extraction and analyses, the study of macro-botanical and faunal remains, chemical analyses for residue in ancient artifacts, DNA analysis, and improved registration techniques of archaeological remains and artifacts.

The Center for Archaeological Sciences of the Katholieke Universiteit Leuven (Belgium) is seeking to appoint a physical anthropologist for a period of 4 years, from 2006 onwards and this as soon as possible for the candidate. The successful applicant preferably has held a post-doctoral position for some time and has a good record of international publications. Primary responsibilities of the post include: morphological, morphometric and palaeopathological studies on human remains, coordination of biomolecular and physico-chemical analyses, preparation of publications, participation in fieldwork in Turkey and Syria.

For informal discussion or visit, contact Dr. Wim Van Neer on +32(0)2 62 74 438 or via e-mail at wvanneer@naturalsciences.be

The Center for Archaeological Sciences of the Katholieke Universiteit Leuven (Belgium) is seeking to appoint an archaeozoologist for a period of 4 years, from 2006 onwards and this as soon as possible for the candidate. The successful applicant will have a doctoral degree, preferably professional experience in archaeozoology, and a good record of international publications. Primary responsibilities of the post include: recording and analyzing faunal remains from Bronze Age to Byzantine sites in the Eastern

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For informal discussion or visit, contact Prof. G. Verstraeten on +32(0)16 32 64 11 or via e-mail at gert.verstraeten@geo.kuleuven.be

The Center for Archaeological Sciences of the Katholieke Universiteit Leuven (Belgium) is seeking to appoint an isotope geochemist for a period of 4 years, from 2006 onwards and this as soon as possible for the candidate. The successful applicant will have a doctoral degree, preferably professional experience in archaeometry, and a good record of international publications. Primary responsibilities of the post include: isotope analysis of artifacts and raw materials (Pb, Sr, Nd), development of new techniques in isotope studies of archaeological materials, mineralogical and geochemical studies in general archaeometry, preparation of publications, participation in fieldwork in Turkey, Syria and Egypt.

For informal discussion or visit, contact Dr. Patrick Degryse on +32(0)16 32 64 60 or via e-mail at patrick.degryse@geo.kuleuven.be

The Center for Archaeological Sciences of the Katholieke Universiteit Leuven (Belgium) is seeking to appoint a macrobotanist for a period of 3 years, from 2006 onwards and this as soon as possible for the candidate. The successful applicant will have a doctoral degree, preferably professional experience in the study of archaeobotanical remains and a good record of international publications. Primary responsibilities of the post include: recording and analyzing botanical remains (charcoal, fruit and seeds) from Paleolithic to Byzantine sites in the Eastern Mediterranean, preparation of publications, participation in fieldwork in Turkey, Syria and Egypt.

For informal discussion or visit, contact prof. Marc Waelkens on +32(0)16 32 48 62 or via e-mail at marc.waelkens@arts.kuleuven.be.

The net salary for all positions is 21.000? - 25.000? per annum, depending on qualifications.

For all five positions, applicants should send a Curriculum Vitae and covering letter to: Prof. Marc Waelkens, Afd. Archeologie, Blijde-Inkomststraat 21, B-3000 Leuven.

Applicants should state clearly their availability regarding the commencement of the project. All applications must reach the University by the 31st December 2005.

Further information on the Center for Archaeological Sciences may be obtained from our website at: <http://www.archscience.be>

Websites on the some of the archaeological sites investigated by members of the University can be found at <http://www.sagalassos.be/>, <http://www.telltweini.com/>, <http://millennium.arts.kuleuven.ac.be/bersha/>

Information on the University of Leuven may be obtained at <http://www.kuleuven.ac.be/english/>

OXFORD COLLEGE EMORY **UNIVERSITY: BIOLOGICAL** **ANTHROPOLOGIST**

Assistant Professor of Anthropology. Oxford College of Emory University seeks a biological anthropologist (research area open) for a tenure track position beginning August 2006. Oxford College (www.emory.edu/OXFORD), located 38 miles east of Atlanta, is a two-year, liberal arts intensive, residential college of Emory University. Demonstrated excellence in undergraduate teaching is required. The successful applicant will have a strong background in a four-field approach to anthropology. Applicants should be able to teach an introductory course in four-field anthropology, an introductory course in biological anthropology with a lab, and a foundational course in the biological basis of behavior as well as courses in the applicant's specialty. Ph.D. required by starting date of August 2006. The position is tenure track, and will be filled at the Assistant Professor level. Screening will begin immediately and continue until an appointment is made. Preliminary interviews for early applicants may be conducted in Washington, D.C. at the AAA meeting in November 2005. Please send a cover letter including teaching philosophy and research interests, curriculum vitae, and the names of three references to Dr. Kenneth Carter, Chair, Anthropology Search Advisory Committee, Oxford College of Emory University, Seney Hall, 100 Hamill St., Oxford, GA 30054.

Emory University is an Equal Employment Opportunity/Affirmative Action Employer

SUMMER ARCHAEOLOGICAL TRIP TO GREECE (4 WEEKS)

My archaeological tour of Greece for university students will be going again this summer: 15 May to 15 June.

Information is on-line: <http://people.ku.edu/~jyounger/Greece>

There may also be some room for people not requiring university credit.

JohnY

John G. Younger
Professor, Department of Classics, and Program in Humanities and Western Civilization
Undergraduate Advisor, Classics
2110 Wescoe Hall
1445 Jayhawk Blvd.
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Lawrence, KS 66045-7590
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F (Classics): 785-864-5566
E: jyounger@ku.edu
W: <http://www.people.ku.edu/~jyounger/>



AMS RESEARCH SCIENTIST POSITION **(ON-GOING) AT ANTARES, SYDNEY** **AUSTRALIA**

Accelerator Mass Spectrometry Scientist
Research Physicist
Salary range \$65,000-\$73,000 (plus super)
Sydney, Australia

The Australian Nuclear Science and Technology Organisation, ANSTO, is a leading Australian multidisciplinary research and development organisation focused upon delivering the benefits of nuclear science and technology to community and industry. ANSTO is seeking a dedicated physicist with strong interests in accelerator-based technologies, nuclear techniques of analysis and their applications to Accelerator Mass Spectrometry (AMS)

Current AMS based research is carried out using ANSTO's 10MV FN ANTARES Tandem and a new 2MV Radiocarbon HVE Tandem. These two accelerators provide high throughput and high quality measurements of ^{14}C , ^{10}Be , ^{26}Al , ^{129}I and actinides on 4 dedicated beam lines equipped with state-of-the art beam line components and two 60 -sample HVE sputter ion sources. The current research focus is on accelerator based AMS and its application to quaternary and earth sciences, landscape change, hydrology, archaeology and paleoclimate studies in diverse archives throughout the Southern Hemisphere.

The successful candidate is expected to make significant contributions to and expand the ANSTO accelerator based AMS research, its capabilities and facilities. The candidate will also be expected to maintain existing national and international collaborations and develop new ones which meet the needs of University researchers, government agencies, external clients and stakeholders.

You will have experience in operating a tandem accelerator for high precision AMS measurements, data analyses, and data reduction with emphasis on radiocarbon calibration and database management. Knowledge in various aspects of sample preparation, methods of AMS with various detection systems and novel techniques to expand our accelerator capabilities to new isotopes will be important. Experience in the interpretation of high-resolution records (e.g. in groundwater, corals, ocean sediments, speleothems, tree rings, pollen, exposure dating) will be of benefit.

You will work closely with a team of accelerator physicists and technicians as well as AMS radiochemists, who operate a suite of chemistry preparation laboratories. You should have a PhD in nuclear, atomic or applied physics. You will have experience in Accelerator Mass Spectrometry and accelerator base techniques. You will be experienced and efficient in project management, and have demonstrated an ability to work effectively in a team environment.

An attractive salary package will be offered depending on qualifications and experience. To be eligible for engagement, applicants will require a medical and security assessment. Selection criteria for the role can be found on our homepage at www.ansto.gov.au or by contacting Ms Deanne Wood on +61 2 9717 3993 or e-mail Deanne.Wood@ansto.gov.au.

Your application must address the selection criteria, include a CV. and the details of three professional referees, and should be forwarded to Ms Deanne Wood by e-mail or mail to The Institute for Nuclear Geophysics, ANSTO, PMB 1, Menai, NSW 2234.

Please contact Dr David Fink for any general inquiries about this position. Tel:61-2-9717-3048 (office) -3840 tandem) -3257 (fax) : E-mail : fink@ansto.gov.au

Applications close 16th December 2005

Dr David Fink
Project Leader
ING, ANSTO, PMB1, Menai, 2234
AUSTRALIA

Tel : 61-2-9717-3048 (office)

- **3840 (tandem)**
- **3257 (fax)**

E-mail : fink@ansto.gov.au

see our websites:

[<http://www.ansto.gov.au/nugeo>](http://www.ansto.gov.au/nugeo)

[<http://www.ansto.gov.au/nugeo/research/c_ccash.html>](http://www.ansto.gov.au/nugeo/research/c_ccash.html)

ΥΠΟΤΡΟΦΙΑ EIFFEL ΓΙΑ ΔΙΔΑΚΤΟΡΙΚΟ - BOURSE EIFFEL POUR DOCTORAT

Encoding : Unicode UTF-8

- 1.. Στα ελληνικά
- 2.. En francais

Κυρία, Κύριε,

Το Γαλλικό Υπουργείο Εξωτερικών ξεκίνησε ένα νέο πρόγραμμα υποτροφιών με τίτλο "Eiffel Doctorat", για την εκπόνηση υψηλού επιπέδου διδακτορικών. Το πρόγραμμα αποσκοπεί στη στήριξη των Γαλλικών Πανεπιστημίων και Ανώτατων Ιδρυμάτων στο πλαίσιο της διεθνούς προσέλκυσης ξένων μελλοντικών ηγετικών στελεχών του δημοσίου και ιδιωτικού τομέα. Το εν λόγω πρόγραμμα δίνει τη δυνατότητα ενός έτους σπουδών στη Γαλλία (είτε του 2ου είτε του 3ου έτους κατά προτίμηση) σε ξένους φοιτητές αναδύομενων χωρών ή χωρών με ισχυρές επιστημονικές και πανεπιστημιακές δυνατότητες που εκπονούν μία διατριβή με συνεπίβλεψη.

Ο φάκελος υποψηφιότητας για την υποτροφία αριστείας Eiffel-Doctorat διατίθεται μόνο σε ηλεκτρονική μορφή. Δεν υπάρχει γραπτή εκδοχή του φακέλου. Αφού έχετε κατεβάσει και ανοίξει το έγγραφο, σας συμβουλεύουμε να ακολουθήσετε προσεκτικά τις συστάσεις που υπάρχουν στην αρχή του φακέλου.

Οι φάκελοι υποψηφιοτήτων διατίθενται σε δύο μορφές στην ιστοσελίδα του οργανισμού Eguide, του οποίου η διεύθυνση στο Διαδίκτυο είναι:

<http://www.egide.asso.fr/fr/programmes/eiffellect/appelcandidatures.jhtml>

- Microsoft Word για Windows ή Macintosh
- PDF.

Η προθεσμία υποβολής των φακέλων στον Eguide για το νέο πανεπιστημιακό έτος είναι μέχρι 3 Φεβρουαρίου 2006.

Για περισσότερες πληροφορίες (στη γαλλική γλώσσα) επισκεφτείτε τον ιστότοπο:
<http://www.egide.asso.fr/fr/programmes/eiffellect/>

Ambassade de France en Grece
Centre de coopération et d'action culturel
Institut Francais d'Athenes
31, rue Sina
GR-10680 Athenes

tel : +30 210 33 98 739/740

Madame, monsieur,

Le ministère français des Affaires étrangères lance en 2005 un nouveau programme de bourses : Eiffel Doctorat pour la formation des doctorants de haut niveau. Ce dispositif est destiné à soutenir l'action de recrutement à l'international des universités et des établissements d'enseignement supérieur français pour attirer les futurs décideurs étrangers du public et du privé. Il permet d'offrir aux étudiants originaires des pays émergents mais aussi des pays à fort potentiel scientifique et universitaire, la possibilité d'effectuer une année en France : la 2^e ou 3^e année de thèse de préférence. Ce programme s'adresse aux étudiants étrangers en codirection ou en cotutelle de thèse.

Le dossier de candidature à une bourse d'excellence Eiffel-Doctorat est disponible sous forme électronique uniquement. Il n'existe pas de version "papier" du dossier. Après avoir téléchargé et ouvert le document, nous vous invitons à suivre attentivement les recommandations qui figurent en introduction au dossier.

Les dossiers de candidatures sont proposés en deux formats sur le site Egide dont le lien est: <http://www.egide.asso.fr/fr/programmes/eiffel/doct/appelcandidatures.jhtml>

- a.. Microsoft Word pour Windows ou Macintosh,
- b.. PDF.

La date limite de réception des dossiers à Égide pour la nouvelle année universitaire : 3 février 2006 .

Pour toute information (en français): <http://www.egide.asso.fr/fr/programmes/eiffel/doct/>

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CENTRE FOR ARCHAEOLOGICAL SCIENCE AT THE KATHOLIEKE UNIVERSITEIT LEUVEN, BELGIUM

Vacancy for 5 post-doctoral positions

The main goal of the recently established *Centre for Archaeological Science* at the Katholieke Universiteit Leuven (Belgium) is to support archaeological research projects (currently: Sagalassos, Turkey - Tell Tweini, Syria – Deir al-Barsja, Egypt – Laboratory of Prehistory) with an extensive and in-depth experience built up in the Faculties of Exact Sciences and Engineering in Leuven. This expertise is also made available to all other archaeological projects in Flanders and beyond.

The approach of the *Centre* towards archaeology is based on an intensive interdisciplinary exchange, whereby archaeologists and scientists interact on as many levels as possible, starting with field work, over laboratory analyses towards joint data processing and publishing. The integrated approach is new and offers unique opportunities for innovative research. The *Centre* will act as a pole of attraction for a variety of archaeological research projects involved in bio- and geo-archaeology, as well as image processing.

The research topics of the *Centre* include the archaeometry of archaeological materials and related provenancing of raw materials (stone, clay, glass, metal), climatic and environmental reconstructions, geomorphological analysis of archaeological sites and their environment, residue analysis of pottery, dietary reconstructions, physical anthropology and improved image processing of archaeological artifacts and sites.

The techniques on offer include state of the art chemical, mineralogical and petrographical analyses of ancient artifacts and raw materials, pollen extraction and analyses, the study of macro-botanical and faunal remains, chemical analyses for residue in ancient artifacts, DNA analysis, and improved registration techniques of archaeological remains and artifacts.

The Center for Archaeological Sciences of the Katholieke Universiteit Leuven (Belgium) is seeking to appoint a physical anthropologist for a period of 4 years, from 2006 onwards and this as soon as possible for the candidate. The net salary is 21.000€ - 25.000€ per annum, depending on qualifications.

The successful applicant preferably has held a post-doctoral position for some time and has a good record of international publications.

Primary responsibilities of the post include:
morphological, morphometric and palaeopathological studies on human remains, coordination of biomolecular and physico-chemical analyses, preparation of publications, participation in fieldwork in Turkey and Syria.

All applicants should send a Curriculum Vitae and covering letter to:
Prof. Marc Waelkens, Afd. Archeologie, Blijde-Inkomststraat 21, B-3000 Leuven.

Applicants should state clearly their availability regarding the commencement of the project. All applications must reach the University by the 31st December 2005.

For informal discussion or visit, contact Dr. Wim Van Neer on +32(0)2 62 74 438 or via e-mail at wvanneer@naturalsciences.be

Further information on the Center for Archaeological Sciences may be obtained from our website at: <http://www.archscience.be>

Websites on the some of the archaeological sites investigated by members of the University can be found at:

<http://www.sagalassos.be/>

<http://www.telltweini.com/>

<http://millennium.arts.kuleuven.ac.be/bersha/>

Information on the University of Leuven may be obtained at:

<http://www.kuleuven.ac.be/english/>

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The successful applicant will have a doctoral degree, preferably professional experience in archaeozoology, and a good record of international publications.

Primary responsibilities of the post include:

recording and analyzing faunal remains from Bronze Age to Byzantine sites in the Eastern Mediterranean, preparation of publications, participation in fieldwork in Syria and Egypt.

Applicants should send a Curriculum Vitae and covering letter to:

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The Center for Archaeological Sciences of the Katholieke Universiteit Leuven (Belgium) is seeking to appoint a geomorphologist for a period of 4 years, from 2006 onwards and this as soon as possible for the candidate. The net salary is 21.000€ - 25.000€ per annum, depending on qualifications.

The successful applicant will have a doctoral degree, with professional experience in geo-archaeology or geomorphology, and a good record of international publications. Knowledge of remote sensing and GIS is essential.

Primary responsibilities of the post include:

application of remote sensing techniques for archaeological surveying and landscape studies, spatial modeling of landscape dynamics in a GIS-environment, preparation of publications, participation in fieldwork in the context of archaeological excavation sites by the K.U.Leuven (mainly in Turkey, Egypt and Syria), including the geomorphologic analysis of the environment surrounding the sites.

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The successful applicant will have a doctoral degree, preferably professional experience in archaeometry, and a good record of international publications.

Primary responsibilities of the post include:

isotope analysis of artifacts and raw materials (Pb, Sr, Nd), development of new techniques in isotope studies of archaeological materials, mineralogical and geochemical studies in general archaeometry, preparation of publications, participation in fieldwork in Turkey, Syria and Egypt.

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The successful applicant will have a doctoral degree, preferably professional experience in the study of archaeobotanical remains and a good record of international publications.

Primary responsibilities of the post include:

recording and analyzing botanical remains (charcoal, fruit and seeds) from Paleolithic to Byzantine sites in the Eastern Mediterranean, preparation of publications, participation in fieldwork in Turkey, Syria and Egypt

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UNIVERSITY COLLEGE LONDON,
INSTITUTE OF ARCHAEOLOGY, MA IN
ARCHAEOLOGY OF THE EASTERN
MEDITERRANEAN AND MIDDLE EAST

Applications are invited for the MA in Archaeology of the Eastern Mediterranean and Middle East at the Institute of Archaeology, University College London. Full details of the course and application procedures can be found on the Institute's website:

<http://www.ucl.ac.uk/archaeology/masters/summary/MAarchaeologyEMME.htm>

Further enquiries to:

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31-34 Gordon Square
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England

Tel: +44 (0)20 7679 4720

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Email: d.wengrow@ucl.ac.uk



ENVIRONMENT DEPARTMENT, **UNIVERSITY OF YORK, JOB** **OPPORTUNITIES**

Would you please bring the following job announcement to the attention of the members of Quaternary list. Many thanks!

ENVIRONMENT DEPARTMENT, UNIVERSITY OF YORK, UK
Senior Research Fellow Ref: BR05502
Research Fellow Ref: BR05503

A Marie-Curie Excellence Centre (KITE), funded by the European Union, is seeking one research fellow and one senior research fellow to model and investigate relationships between ecosystem dynamics, climate change, and human impacts along the Eastern Arc Mountains of Kenya and Tanzania. You should hold an MSc in Environmental Science for research fellow, PhD for senior research fellow. Research skills in botany, GIS, environmental modelling, computer programming and/or Quaternary science would be an advantage.

Starting salary will be: £30,002 per annum for the senior research fellow and £20,044 per annum for the research fellow. The three year posts are available from 1st July 2006 with the research fellow expected to register for a PhD. Informal enquiries may be made to Dr. Rob Marchant (Tel + 44 (0)1904 434061, e:mail rm524@york.ac.uk).

For further particulars and details of how to apply, please see our website at: <http://www.york.ac.uk/admin/persnl/jobs/> <<http://www.york.ac.uk/admin/persnl/jobs/>> or write to the Personnel Office, University of York, Heslington, York YO10 5DD, quoting the appropriate reference number. Closing date: 13 January 2006.

Regards

Dr. Rob Marchant
Environment Department
University of York
Heslington
York
YO10 5DD
UK
email: rm524@york.ac.uk
Tel: +44(0) 1904 434

THE DISTINCTION AND USE OF HUMAN-PRODUCED ARCHAEOLOGICAL CHARCOAL [CASE STUDENTSHIP WITH ENGLISH HERITAGE]

Supervisors: Prof. A.C.Scott, Prof. M.E.Collinson, Dr. N. Branch (Geography) & Ms G. Campbell (English Heritage)

Project Description

“The Earth is a fire planet and man is a uniquely fire creature”. Charcoal derived from wildfires has been common in sedimentary sequences for the past 350 million years. However, charcoal derived from the activities of man becomes increasingly common only over the last 10,000 years. This research project aims to derive physical criteria that will allow the identification of charcoal produced and used by humans and to develop methods for interpreting its mode of formation.

Physical characteristics of charcoal, such as reflectance in polished blocks under oil, are known to increase with temperature and time. Spreads of reflectance values and interpretation of minimum formation temperature will aid distinction between different assemblages of charcoal (Hearth/ cooking fires, furnaces etc). We know that charcoals that have been produced commercially show a very high reflectance and both reflectance and sizes of charcoal fragments differ from those produced by wildfires but this distinction has not been sought in the context of archaeological sites. The research will involve collection and study of charcoals from a range of archaeological sites where there is a clear understanding of context. In addition, both field and laboratory charring experiments will be undertaken to aid an understanding of characteristics of charcoals that have been produced under a range of conditions and with a range of starting plant materials. Fieldwork will be undertaken in collaboration with scientists from English Heritage. The student will undertake collection, identification and analysis of archaeological charcoal assemblages with English Heritage and will study and develop a range of field-based experiments. Physical investigations of the charcoals will be undertaken at Royal Holloway.

Light and Scanning Electron Microscopy will be employed to determine taxonomic affinity and botanical nature of charcoals as well as being used to track morphological changes induced by the charring process. Reflectance microscopy will be used to interpret temperature of charcoal formation. These data will demonstrate if charcoal morphology and physical properties can be used to deduce conditions of formation and the nature of the starting material.

The student will be trained in a range of archaeological fieldwork techniques; plant identification and anatomy; microscopical techniques including scanning electron microscopy and reflectance microscopy; coal petrography and image analysis techniques as well as experimental charring techniques. The student will undertake a University and Departmental postgraduate training programme including techniques in science communication as well as attending short courses organised through English Heritage.

References

- Branch, N.P., Canti, M.G., Clark, P. and Turney, C.S.M. 2005 Environmental Archaeology: Theoretical and Practical Approaches, Edward Arnold: London
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Please contact Julie Brown, Departmental Administrator, immediately for further details and an application form (email: j.brown@gl.rhul.ac.uk; fax: 01784-471780; tel: 01784-443582). The same information can also be found on the Geology Department's Web site (<http://www.gl.rhul.ac.uk>). Applicants are requested to send an additional copy of their CV directly to the lead supervisor of the project in which they are interested.

There will be a College Postgraduate Fair on Wednesday 8 February 2006 for everybody interested in postgraduate studies at Royal Holloway - please inform Julie Brown if you wish to attend.

PALAEOECOLOGY RESEARCH SERVICES

Job title:	Archaeobotanist
Employer:	Palaeoecology Research Services Limited, Unit 8, Dabble Duck Industrial Estate, Shildon, County Durham DL4 2RA, United Kingdom
Salary:	£17,922-£20,295 per annum (following BAJR Level 5 – Specialist 1 to base of Level 6 – Specialist 2) depending on experience
Closing date for applications:	4 th January 2006
Anticipated dates for interviews:	between the 16 th and the 20 th of January 2006
Start date:	post available from 13 th February 2006

Palaeoecology Research Services Limited (PRS) is a limited company established as an independent bioarchaeological consultancy in November 2001 (and incorporated in September 2002). Prior to that, PRS staff were employed by the Environmental Archaeology Unit (Department of Biology, University of York) to undertake the environmental components of commercial and research based archaeological projects, and together have over thirty years of experience in this field.

We offer a range of services including:

- rapid evaluation of bio-archaeological remains from threatened sites
- assessment of biological remains for post-excavation project design
- full post-excavation studies of biological material through to publication text

Additional details are available elsewhere on this site [go to the home page by clicking on the following link]: [PRS](#)

Palaeoecology Research Services Ltd is looking to fill the post of archaeobotanist based at its offices in Shildon, County Durham. The successful candidate will be expected to undertake the identification, analysis and reporting of botanical remains (preserved by both charring and anoxic waterlogging), including archaeological wood, for evaluation, assessment and technical standard reports and to produce publication quality text when required.

Applicants should have a post-graduate qualification in archaeobotany or related field (including a significant practical content), or equivalent practical experience (at least 3 years) with a background in archaeology or an environmental science (to first degree level). Training can be arranged in specialist areas but it is essential that the candidate is self-motivated and has a demonstrated ability to write clear, concise technical reports. This post offers an excellent opportunity to develop archaeobotanical and other skills within an expanding commercial company and offers scope for interesting and varied work.

The post is offered for one year in the first instance (but is expected to be ongoing thereafter), subject to the successful completion of a two month probationary period and six month review.

Those wishing to apply for this post should send a letter of application and full CV (including any publications), together with the names and addresses of two persons who have agreed to supply professional/employer references, to the above address and marked for the attention of “John Carrott/Deborah Jaques (re: Archaeobotanist post)”. The inclusion of a short site (or other) report for which you are the major or sole contributor and which has not been subject to significant levels of proof-reading, editing or review would be greatly appreciated.

JOB DESCRIPTION

Job Title: Archaeobotanist

Responsible to: The Directors – John Carrott and/or Deborah Jaques

Responsible for: liaison with staff processing sediment samples over botanical issues

Working conditions

The job will be located principally at PRS’s offices in Shildon, County Durham. The majority of your workload will be project based and most projects will involve team working in collaboration with one or more other internal specialists and, occasionally, with outside sub-contracted individuals or institutions.

Your post will be concerned with the provision of specialist advice, the analysis of botanical remains and the management of some smaller environmental projects (specifically those mostly or wholly concerning botanical remains). It may also include periods of fieldwork, site visits or library/laboratory work within the United Kingdom (and, perhaps, occasionally further afield). There will, therefore, sometimes be a need for travel and could also be a need for overnight stays away from home (though it is envisaged that instances of the latter will be rare).

Your standard hours will be 37 hours per week, based on a 7.4 hour day, Monday to Friday. It is expected that exceptionally (e.g. during fieldwork) there will be a need to work longer hours, or at more flexible times, such as at weekends. Any overtime incurred will normally be compensated by ‘time off in lieu’ but, in exceptional circumstances, may be paid.

Job content

You will be assigned to projects as they arise and the ability to prioritise conflicting demands on your time will be essential. Your main responsibilities will be:

1. to process and sort (or provide supervisory input to the processing and sorting) of samples for biological remains in general but with specific reference to botanical remains
2. be responsible for identifying and recording, assessment, analysis, and reporting of a wide range of archaeobotanical assemblages to an appropriate level (e.g. evaluation, assessment and technical reports) and the production of publication quality text when required
3. prepare complete reports for smaller projects and contributory text to larger works
4. to advise on sampling strategies and offer specialist advice internally and externally

5. to undertake any identifications and coordination required for submission of radiocarbon samples
6. to operate within defined (though often shifting) project objectives, budgets and timetables

You will require the following general skills and abilities:

1. good organisational ability to manage a variety of essential tasks and competing demands on your time
2. accuracy and attention to detail, together with a systematic approach to the recording and presentation of results
3. adaptability
4. a team orientated approach
5. good general computing skills (including knowledge of Microsoft Office software)

In addition from time to time you may be required to undertake periods of archaeological fieldwork (e.g. specialist sampling), environmental supervision or research (e.g. documentary research), in the field or elsewhere away from the office, as determined by the directors.

You may also be required to undertake other tasks appropriate to your experience as deemed necessary by the Company Directors.

Training

Training requirements for all staff will be reviewed on an annual basis, or more frequently – if required by the needs of a specific project, for example.

Annual leave

Annual leave entitlement will total 20 days plus 8 bank holiday days.

For an informal discussion of any queries you may have please contact Deborah Jaques or John Carrott on +44 (0) 1388 772167 (office hours) or email to: enquiries@palaeoecology.co.uk.

Please visit the site: http://www.palaeoecology.co.uk/prs_archaeobotanist_2006.htm

INTERNET SITES

ARTICLE ABOUT PRE-GREEK

Dear colleagues,

An interesting article about Pre-Greek is available as a pdf at:

<http://www.indo-european.nl/ied/pdf/pre-greek.pdf>

Best wishes,
Bjarte Kaldhol

TAC VIDEO: WHAT ARCHAEOLOGISTS DO

Friends and colleagues: A big archaeological project can serve to illustrate what archaeologists really do. One of the products of the giant Central Arizona Project was *Archaeology: A Journey Into the Past*, the latest video feature on our nonprofit streaming-media Web site, *The Archaeology Channel* (<http://www.archaeologychannel.org>).

This video takes you on a virtual tour of archaeology and explains why the U.S. Bureau of Reclamation sponsored archaeology before the Central Arizona Project was built to irrigate the desert. It shows the entire archaeological process from beginning to end: how sites are located, how they are excavated, how artifacts are processed, and what happens to the materials when the project is finished. Combining live action with graphic simulations brings to life the painstaking and detailed study of forgotten remains that is the study of the human past.

This and other programs are available on TAC for your use and enjoyment. We urge you to support this public service by participating in our Membership (<http://www.archaeologychannel.org/member.html>) and Underwriting (<http://www.archaeologychannel.org/sponsor.shtml>) programs. Only with your help can we continue and enhance this nonprofit public-education and visitor-supported service. We also welcome new content partners as we reach out to the world community.

Please forward this message to others who may be interested and let us know if you wish to be removed from our mailing list.

Richard M. Pettigrew, Ph.D., RPA
President and Executive Director
Archaeological Legacy Institute
<http://www.archaeologychannel.org>

KIDS ANIMATION ON THE ARCHAEOLOGY CHANNEL

Friends and colleagues: ALI likes to promote public education by recognizing and promoting works made for and by young students. For that reason, but also because it's a lot of fun, we offer you *Ancient Greece: Pots Tell the Story*, the latest video feature on our nonprofit streaming-media Web site, *The Archaeology Channel* (<http://www.archaeologychannel.org>).

This film tells the story of ancient Greece in an engaging manner through hand-drawn images taken from ceramic vessels. Animator Karen Aqua and composer Ken Field worked during January 2003 with ninety sixth-grade students from Treasure Mountain International School in Park City, Utah, to make this animated film and soundtrack about ancient Greek mythology, sports, and culture. The students researched the topics and created the artwork and animation as well as the musical performances and sound effects. The result is a whimsical and kid-friendly overview of the ancient Greeks.

This and other programs are available on TAC for your use and enjoyment. We urge you to support this public service by participating in our Membership (<http://www.archaeologychannel.org/member.html>) and Underwriting (<http://www.archaeologychannel.org/sponsor.shtml>) programs. Only with your help can we continue and enhance this nonprofit public-education and visitor-supported service. We also welcome new content partners as we reach out to the world community.

Please forward this message to others who may be interested and let us know if you wish to be removed from our mailing list.

Richard M. Pettigrew, Ph.D., RPA
President and Executive Director
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<http://www.archaeologychannel.org>

GUIDE FOR ARCHAEOLOGY @ ABOUT.COM

RANDOM SAMPLES, 11/2/05

Additions to Archaeology at About.com for the week ending 11/02/05:

About Indeed

<http://archaeology.about.com/b/a/215433.htm>

A brand new very useful little search engine from About that aggregates all job postings across the internet, by keyword or location or what have you. I ran a test today on 'archaeology' and got back 120 jobs active in the list, from all over the net. At this moment, these are just job listings in the United States.

Mummies of Bronze Age Scotland

<http://archaeology.about.com/od/mummies/a/parkerpearson.htm?nl=1>

Mummies, that rarified form of ancestor worship, have been found in a Bronze Age site in Scotland. In the September 2005 issue of the journal *Antiquity*, researchers describe how using techniques established by forensic anthropology to study the breakdown and fossilization of bone, they found evidence of mummification far from the previously known cultures which practiced it in Egypt and South America.

Top Signs of Domestication (Archaeology 101)

http://archaeology.about.com/od/domestications/tp/dom_signs.htm?nl=1

The mechanism of domestication is an evolutionary one, and so slow; the evidence for domestication of a particular animal may be difficult to ascertain. Here are some ways archaeologists use to determine if an animal has been domesticated.

New Glossary Entries:

<http://archaeology.about.com/od/glossary/?nl=1>

Windmill Hill (United Kingdom), Pasargadae (Iran), Wine - the Origins of Wine, Martin's Hundred (USA), Woodhenge (UK), Bog Bodies, Feminist Archaeology, La Ferrassie Cave (France), Feudalism, Fiction, Pastoralism, Maya Blue, Lepenski Vir (Serbia), Funnel Beaker Culture

News Stories Being Chased Down: Smuggling and the Museums

<http://archaeology.about.com/b/a/215312.htm>

Topper Site

<http://archaeology.about.com/b/a/215308.htm>

Stable Isotopes used to source Turkish carpets

<http://archaeology.about.com/b/a/215439.htm>

Quiz of the Week Çatalhöyük:

<http://archaeology.about.com/library/games/blcatal.htm>

Quote of the Week

The century-long minority status of prehistoric archaeology, while embedded within American anthropology, has generally meant that archaeologists have accommodated and positioned themselves within the context of the existing dominant reality of the disciplinary structure. This dominant reality was most often focused on a sociocultural anthropology whose focus was, at best, incidental and, at worst, hostile to topics and issues of relevance to the pursuit of archaeological scholarship. R.E. Taylor 2003 The "Two Cultures"

in American Anthropological Archaeology. The Review of Archaeology 24(1):1-11.

Thanks for reading, and feel free to pass it along....

K. Kris Hirst

About Archaeology

<http://archaeology.about.com>

www.About.com

RANDOM SAMPLES, 11/9/05

Archaeology at About.com - New Additions for 9 November 05.

A Walking Tour of Olympia, Greece

http://archaeology.about.com/od/ancientgreece/ss/olympia_tour.htm

Photographer Aschwin Prein gives us a walking tour of the ancient Greek classical site of Olympia, the original location of the Olympic Games. Aschwin's photos include the Temples of Zeus and Hera, the Stadium, the Greek baths, and the Workshop of Pheidias, and even the Roman villa of the Emperor Nero.

Field School: Cradle of Humanity, South Africa

<http://archaeology.about.com/b/a/217267.htm>

May 20-July 1, 2006. Duke University offers a six-week intensive summer program in human paleontology and paleoanthropology, archeological and paleontological field methods and Southern African ecology. Students will also visit the fossil vaults at the University of the Witwatersrand and Transvaal Museum and important fossil sites such as Sterkfontein and Gladysvale.

Persian Empire: Timeline and Definition

http://archaeology.about.com/od/pethroughpg/g/persian_empire.htm

At its height about 500 BC, the Persian empire had conquered Asia as far as the Indus River, Greece, and North Africa including what is now Egypt and Libya. As I was finishing this addition to the Glossary, I realized I had no place to put it, so I created a new page for The Persian Empire, collected all my sundry pieces about the Persian Empire into it, threw in some excellent exterior resources, and added it to my group of Ancient Civilizations. Hope you find it useful!

<http://archaeology.about.com/od/persianempire/>

Tournai, Belgium

<http://archaeology.about.com/od/tterms/g/tournai.htm>

Tournai is a Frankish town in Belgium, and the site of the royal tomb of Childeric [AD 457-481], father of Clovis, founder of the Merovingian dynasty. A very nice photograph of the gothic belltower has been provided by Serge Houtain. And, Tournai is among the sites listed on the Belgium Culture History and Archaeology page, part of the World Atlas of Archaeology on the Web. <http://archaeology.about.com/od/belgium/index.htm>

The Colosseum is Falling:

Another section of the Roman Colosseum collapsed, this past weekend, spurring discussion by Rome's Archaeological Office of closing the 2000 year old site.

<http://news.ninemsn.com.au/article.aspx?id=70644>

(news story)

http://archaeology.about.com/od/poetry/a/coliseum_poe2.htm

Poem on the Roman Colosseum (spelled Coliseum) by Edgar Allan Poe, nicely illustrated by a photograph of the Colosseum in better days is by Kevin Clarkson.

<http://archaeology.about.com/b/a/217095.htm>

The Colosseum was called the Flavian Amphitheater because it was built during the Flavian emperors, Vespasian and Titus. The history of the Colosseum is provided for us by N.S. Gill, Ancient History guide at About.

Quote of the Week: The past is necessarily inferior to the future. That is how we wish it to be. How could we acknowledge any merit in our most dangerous enemy: the past, gloomy prevaricator, execrable tutor? Italian playwright Tommaso Marinetti
<http://archaeology.about.com/blquote186.htm>

Thanks for reading, and feel free to pass it along.

K. Kris Hirst

About Archaeology

<http://archaeology.about.com>

www.About.com

About.com is part of The New York Times Company

ΝΕΕΣ ΕΚΔΟΣΕΙΣ – NEW PUBLICATIONS

FORTUITUM & SORDIDUM OPUS

I have the pleasure to inform you that my new book *Fortuitum & sordidum opus* written in italian on the history of the italian metallurgy has just came out.

Further information in www.crace.it .

Thanks

Mauro Cavallini

Prof. Mauro Cavallini
Dip.ICMMPM - Università di Roma "La Sapienza"
Via Eudossiana, 18
00184 Roma (Italia)
+ 06 44585643
e-mail: mauro.cavallini@uniroma1.it



RADIOCARBON VOL. 47 NO. 3 **(DECEMBER 2005)**

Record 1.

TI: From the Editor

AU: Jull, A J Timothy

JN: Radiocarbon

PD: December 2005

VO: 47

NO: 3

PG: v-v(1)

PB: Arizona Board of Regents (University of Arizona)

IS: 0033-8222

URL:

<http://www.ingentaconnect.com/search/expand?pub=infobike://arizona/rdc/2005/00000047/00000003/art00001>

Click on the URL to access the article or to link to other issues of the publication.

Record 2.

TI: Testing the "Dicarb Problem": A Case Study from North Alaska

AU: Reuther, Joshua D.; Gerlach, S Craig

JN: Radiocarbon

PD: December 2005

VO: 47

NO: 3

PG: 359-366(8)

PB: Arizona Board of Regents (University of Arizona)

IS: 0033-8222

URL:

<http://www.ingentaconnect.com/search/expand?pub=infobike://arizona/rdc/2005/00000047/00000003/art00002>

Click on the URL to access the article or to link to other issues of the publication.

Record 3.

TI: Diet-derived Variations in Radiocarbon and Stable Isotopes: A Case Study from Shag River Mouth, New Zealand

AU: Higham, Thomas; Anderson, Atholl; Ramsey, Christopher Bronk; Tompkins, Christine

JN: Radiocarbon

PD: December 2005

VO: 47

NO: 3

PG: 367-375(9)

PB: Arizona Board of Regents (University of Arizona)

IS: 0033-8222

URL:

<http://www.ingentaconnect.com/search/expand?pub=infobike://arizona/rdc/2005/00000047/00000003/art00003>

Click on the URL to access the article or to link to other issues of the publication.

Record 4.

TI: Re-dating Mid-Holocene Betelnut (*Areca Catechu* L.) and Other Plant Use at Dongan, Papua New Guinea

AU: Fairbairn, Andrew; Swadling, Pamela

JN: Radiocarbon

PD: December 2005

VO: 47

NO: 3

PG: 377-382(6)

PB: Arizona Board of Regents (University of Arizona)

IS: 0033-8222

URL:

<http://www.ingentaconnect.com/search/expand?pub=infobike://arizona/rdc/2005/00000047/00000003/art00004>

Click on the URL to access the article or to link to other issues of the publication.

Record 5.

TI: Radiocarbon, Soil, and Artifact Chronologies for an Early Southern Oregon Coastal Site

AU: Hall, Roberta; Davis, Loren G.; Willis, Samuel; Fillmore, Matthew

JN: Radiocarbon

PD: December 2005

VO: 47

NO: 3

PG: 383-394(12)

PB: Arizona Board of Regents (University of Arizona)

IS: 0033-8222

URL:

<http://www.ingentaconnect.com/search/expand?pub=infobike://arizona/rdc/2005/00000047/00000003/art00005>

Click on the URL to access the article or to link to other issues of the publication.

Record 6.

TI: Radiocarbon Dates from the Catacombs of St. Callixtus in Rome

AU: Rutgers, Leonard V.; van der Borg, Klaas; de Jong, Arie F.M.

JN: Radiocarbon

PD: December 2005

VO: 47

NO: 3

PG: 395-400(6)

PB: Arizona Board of Regents (University of Arizona)

IS: 0033-8222

URL:

<http://www.ingentaconnect.com/search/expand?pub=infobike://arizona/rdc/2005/00000047/00000003/art00006>

Click on the URL to access the article or to link to other issues of the publication.

Record 7.

TI: Radiocarbon Dating of Alkenones from Marine Sediments: I. Isolation Protocol
AU: Ohkouchi, Naohiko; Xu, Li; Reddy, Christopher M.; Montlucon, Daniel; Eglinton, Timothy I.

JN: Radiocarbon

PD: December 2005

VO: 47

NO: 3

PG: 401-412(12)

PB: Arizona Board of Regents (University of Arizona)

IS: 0033-8222

URL:

<http://www.ingentaconnect.com/search/expand?pub=infobike://arizona/rdc/2005/00000047/00000003/art00007>

Click on the URL to access the article or to link to other issues of the publication.

Record 8.

TI: Radiocarbon Dating of Alkenones from Marine Sediments: II. Assessment of Carbon Process Blanks

AU: Mollenhauer, Gesine; Montlucon, Daniel; Eglinton, Timothy I.

JN: Radiocarbon

PD: December 2005

VO: 47

NO: 3

PG: 413-424(12)

PB: Arizona Board of Regents (University of Arizona)

IS: 0033-8222

URL:

<http://www.ingentaconnect.com/search/expand?pub=infobike://arizona/rdc/2005/00000047/00000003/art00008>

Click on the URL to access the article or to link to other issues of the publication.

Record 9.

TI: Radiocarbon Dating of Alkenones from Marine Sediments: III. Influence of Solvent Extraction Procedures on ^{14}C Measurements of Foraminifera

AU: Ohkouchi, Naohiko; Eglinton, Timothy I.; Hughen, Konrad A.; Roosen, Ellen; Keigwin, Lloyd D.

JN: Radiocarbon

PD: December 2005

VO: 47

NO: 3

PG: 425-432(8)

PB: Arizona Board of Regents (University of Arizona)

IS: 0033-8222

URL:

<http://www.ingentaconnect.com/search/expand?pub=infobike://arizona/rdc/2005/00000047/00000003/art00009>

Click on the URL to access the article or to link to other issues of the publication.

Record 10.

TI: Influence of Mollusk Species on Marine R Determinations

AU: Ascough, Philippa L.; Cook, Gordon T.; Dugmore, Andrew J.; Scott, E Marian;
Freeman, Stewart P.H.T.

JN: Radiocarbon

PD: December 2005

VO: 47

NO: 3

PG: 433-440(8)

PB: Arizona Board of Regents (University of Arizona)

IS: 0033-8222

URL:

<http://www.ingentaconnect.com/search/expand?pub=infobike://arizona/rdc/2005/00000047/00000003/art00010>

Click on the URL to access the article or to link to other issues of the publication.

Record 11.

TI: Carbon Dioxide Capture Using a Zeolite Molecular Sieve Sampling System for
Isotopic Studies (¹³C and ¹⁴C) of Respiration

AU: Hardie, S.M.L.; Garnett, M.H.; Fallick, A.E.; Rowland, A.P.; Ostle, N.J.

JN: Radiocarbon

PD: December 2005

VO: 47

NO: 3

PG: 441-451(11)

PB: Arizona Board of Regents (University of Arizona)

IS: 0033-8222

URL:

<http://www.ingentaconnect.com/search/expand?pub=infobike://arizona/rdc/2005/00000047/00000003/art00011>

Click on the URL to access the article or to link to other issues of the publication.

Record 12.

TI: Progress in AMS Target Production of Sub-milligram Samples at The NERC
Radiocarbon Laboratory

AU: Ertunc, Tanya; Xu, Sheng; Bryant, Charlotte L.; Maden, Colin; Murray, Callum;
Currie, Margaret; Freeman, Stewart P.H.T.

JN: Radiocarbon

PD: December 2005

VO: 47

NO: 3

PG: 453-464(12)

PB: Arizona Board of Regents (University of Arizona)

IS: 0033-8222

URL:

<http://www.ingentaconnect.com/search/expand?pub=infobike://arizona/rdc/2005/00000047/00000003/art00012>

Click on the URL to access the article or to link to other issues of the publication.

Record 13.

TI: Radiocarbon Updates

AU:

JN: Radiocarbon

PD: December 2005

VO: 47

NO: 3

PG: 465-465(1)

PB: Arizona Board of Regents (University of Arizona)

IS: 0033-8222

URL:

<http://www.ingentaconnect.com/search/expand?pub=infobike://arizona/rdc/2005/00000047/00000003/art00013>

Click on the URL to access the article or to link to other issues of the publication.

Record 14.

TI: Radiocarbon Laboratories

AU:

JN: Radiocarbon

PD: December 2005

VO: 47

NO: 3

PG: 467-491(25)

PB: Arizona Board of Regents (University of Arizona)

IS: 0033-8222

URL:

<http://www.ingentaconnect.com/search/expand?pub=infobike://arizona/rdc/2005/00000047/00000003/art00014>

Click on the URL to access the article or to link to other issues of the publication.

"MINOAN TRADE: ASPECTS AND AMBIGUITIES" BY DEANNE KIESER, UNIVERSITY OF SOUTH AFRICA, 2005

Please visit the site: <http://etd.unisa.ac.za/ETD-db/ETD-desc/describe?urn=etd-08192005-084633>

Chapters available as PDF files.

Abstract

The following dissertation considers the main aspects of trade during each phase of Minoan development from its beginnings in Early Minoan times (3500 BC) until the end of Minoan period in 1430 BC. The work concentrates largely on the commodities exchanged, the development of transportation and perceived trade routes as well as the role of the palaces once they were established. The theories on the Minoan Thalassocracy and colonisation are also discussed. The evidence used is mainly archaeological, which is able to trace the movement of non-perishable materials such as pottery and metals. Reference is also made to contemporary Near Eastern texts and art, as well as the Minoan Linear A and Mycenaean Linear B documents.

e-Περιοδικό Επιστήμης & Τεχνολογίας e-Journal of Science & Technology (e-JST)

επικοινωνία: jansian@teiath.gr, enerat@teiath.gr

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Αγαπητοί συνάδελφοι,

Με μεγάλη χαρά σας αναγγέλλουμε την έκδοση του πρώτου τεύχους του ηλεκτρονικού περιοδικού μας που φέρει τον τίτλο «*e-περιοδικό Επιστήμης & Τεχνολογίας, e-Journal of Science & Technology*» (**e-JST**).

Το περιοδικό, μετά από σχεδόν ένα έτος προετοιμασίας είναι πραγματικότητα. Έχει σχεδιαστεί με σκοπό να εξυπηρετήσει την επιστημονική κοινότητα του ΤΕΙ Αθήνας, αλλά επίσης και των άλλων ανώτατων ιδρυμάτων της χώρας. Δημιουργήθηκε ως μια αυθόρμητη, ανιδιοτελής και εθελοντική προσπάθεια, που ταυτόχρονα είναι και ευχάριστη.

Η δημοσίευση εργασιών μέσω του e-JST παρουσιάζει μεταξύ των άλλων τα εξής πλεονεκτήματα:

- Είναι έγκριτο
- Δέχεται άρθρα στην ελληνική και αγγλική γλώσσα
- Ελαχιστοποιεί το χρόνο έκδοσης από τη στιγμή της υποβολής
- Εκδίδεται τέσσερις φορές το χρόνο
- Βρίσκεται πάντα στην επικαιρότητα λόγω του on line χαρακτήρα του
- Τα άρθρα επιδέχονται συνεχώς κριτική από το σύνολο της επιστημονικής κοινότητας
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- Η έκδοση των εργασιών δεν απαιτεί οικονομική επιβάρυνση

Με την ευκαιρία θα θέλαμε να ευχαριστήσουμε όλους τους συναδέλφους που από την αρχή της ιδέας αγάλιασαν το περιοδικό και έδειξαν το ενδιαφέρον τους, είτε έμπρακτα, είτε με συμβουλές και παρααινέσεις για το περιεχόμενο και την μορφή του.

Η διεύθυνση του περιοδικού είναι : <http://e-jst.teiath.gr>, ενώ επίσης υπάρχει σύνδεση του από την κεντρική σελίδα του ΤΕΙ.

Περιμένουμε τη συμμετοχή και το ενδιαφέρον σας, μαζί με την κριτική σας.

Με εκτίμηση
Οι υπεύθυνοι της έκδοσης

Ηλίας Νεραντζής και Γιάννης Σιανούδης

EΙΔΗΣΕΙΣ - NEWS RELEASE

MINOAN TREASURES FOUND OFF THE CRETAN TRACK



Handout image released by the Greek Ministry of Culture shows part of the ancient Minoan city of Kydonia. Archaeologists in Crete have found an important trove of archaeological treasures containing some of the earliest known examples of Greek writing. (AFP/Ministry of Culture)

Sat Nov 12, 10:52 AM ET

ATHENS (AFP) - Archaeologists in Crete have found an important trove of archaeological treasures containing some of the earliest known examples of Greek writing.

The culture ministry said the finds were excavated at a long-abandoned site on a hill overlooking the port of Chania in Western Crete, which has been identified with the Minoan city of Kydonia.

Among the discoveries was an amphora containing an intact text written in linear B, the language of the court at Mycenae where the legendary Agamemnon ruled.

Also found were two terracotta tablets containing texts in Linear A, an even older alphabet -- used around 1,700 years before the Common Era -- which has not yet been deciphered.

The ministry said the archeologists found evidence of a violent fire believed to have destroyed a town on the site around 1450 BCE. Excavations uncovered traces of a road and two ceramic ovens from the Roman period.

In a statement, the ministry said the site would be turned into an open-air museum with **European Union** funds.

The researchers also found traces of a cemetery containing amphorae and funerary urns dating around the time the ancient Greeks set off to invade Sicily in the late fifth century BCE. The vessels contained the bones of infants, indicating perhaps a high rate of infant mortality at that time.

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