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Πληροφοριακό Δελτίο της Ελληνικής Αρχαιομετρικής Εταιρείας

- Ιούλιος 2003 -

**"We know nothing for sure: truth is hidden at the bottom
of a well"**

Diogenes Laertius

Newsletter of the Hellenic Society of Archaeometry

- July 2003 -

Nr. 29

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ΣΥΝΕΔΡΙΑ - CONFERENCES/WORKSHOPS

UNIVERSITY OF THE AEGEAN – LABORATORY OF ARCHAEOLOGY, RHODES

SCIENTIFIC PROGRAM

“RECENT ADVANCES IN OBSIDIAN DATING AND CHARACTERIZATION”

2-5 July 2003, ADAMAS, MELOS ISLAND, GREECE

MILOS CONFERENCE CENTER “GEORGE ILIOPOULOS”-

Organizers:

- *Laboratory of Archaeology, University of the Aegean (Prof. I.Liritzis)*
- *IAOS, USA (Dr C.Dillian)*

Sponsors:

Silver & Byrite Mining Ores Co
Ministry of National Education
Ministry of the Aegean
Municipality of Melos

July 2, Wednesday

Arrivals

20:00 Welcome Reception at Melos Conference Center “G.Iliopoulos”

July 3, Thursday

Morning Session:

(20 minutes each presentation plus 5 minutes discussion. Speakers are underlined)

Chair: Prof I.Liritzis (Greece) and Dr C.Dillian (USA)

9:00-9:10 Welcome Greetings

9:10-9:35 Liritzis.I and Diakostamatiou.M, “Potential and limitations of the novel SIMS- SS obsidian dating method”

9:35-10:00 Youxue Zhang, Xiaomei Xu, Behrens.H, “Water diffusion in obsidian and obsidian hydration dating”

10:00-10:25 Jones.M, “Archaeological soil temperature and obsidian hydration: a case study in quantifying uncertainty in OHD age estimates”

10:25-10:50 Tomozawa.M, “Water diffusion in silica glass at low temperatures”

10:50-11:10 Coffee Break

11:10-11:35 Suzuki.M, “An approach to the palaeoclimatic reconstruction using obsidian hydration as a temperature indicator”.

11:35-12:00 Ambrose.W., “Powdered obsidian for determining hydration rates and site”
12:00-12:25 Brodkey.R., Liritzis.I and Diakostamatiou.M., “Molecular transport phenomena in Archaeology: applications to obsidian hydration dating”
12:25-12:50 Stevenson.C., Liritzis.I., Diakostamatiou.M., Novak.S.W and Abdelrehim.I., “The dating of hydrated obsidian surfaces by SIMS-SS”.

13:30 Lunch

Evening Session

Chair: Prof M.Glascock (USA) and Dr H.Behrens (Germany)

17:00-17:25 Behrens.H., Leschik.M., Heide.G., Frischat.G.H and Wiedenbeck.M., “Experimental studies on water diffusion, oxygen isotope exchange and corrosion of rhyolitic glasses and melts”.
17:25-17:50 Pantano.C., Mellot.N.P., Hamilton.J.P., “ Effects of composition and network connectivity on the leaching and dissolution of aluminosilicate glasses”
17:50-18:15 Gottesman.M., “Obsidian hydration dating: how good is it?”
18:15-18:40 Glascock.M and Speakman.R.J., “Obsidian characterization basics: analytical techniques, elements and sources”

18:40-19:00 Coffee Break

19:00-19:25 Dillian.C., “Sourcing belief: using obsidian sourcing to understand prehistoric ideology in northeastern California”
19:25-19:50 Bassiakos.Y., Kilikoglou.V and Sampson.A., “Yali island: geological and analytical evidence for a new source of workable obsidian”
19:50-20:15 Gratuze.B., “New investigations of the Gollu-Dag obsidian lava flows system: comparison between chemical, mineralogical and fission track data”

21:00 Dinner

July 4, Friday

Morning

7:30 Departure from Conference Center to Adamas and Demenegaki Obsidian Source

13:30 Lunch

Evening Session

Chair: Dr W.Ambrose (Australia) and Dr M.Jones (New Zealand)

17:00-17:25 Tykot.R., “High-precision sourcing of obsidian assemblages from the central Mediterranean: Feasibility and utility for archaeological interpretation of the exploitation of the Italian island sources”
17:25-17:50 Carter.T., “Problematizing the analysis of obsidian in the Aegean and surrounding worlds”
17:50-18:15 Torrence.R., Summerhayes.G., Orlic I., Rath.P and White.J.P., “Networks and disasters: changing patterns of obsidian procurement in West New Britain, Papua, New Guinea”

18:15-18:40 *Pawlikowski.M, Liritzis.I, Tsamasfyrou.I, and Perdikatsis.V* “Surface microscopic investigation of obsidians”

18:40-19:00 Coffee Break

19:00-19:25 *Perles.C*, “Why the obsidian trade?”

19:25-19:50 *Astruc.L, Vargiolou.R and Zahouani.P.H*, “Mechanical properties of obsidians and mechanisms of wear”.

19:50-20:15 *Iovino.R.M*, “Tribology and micro wear trace analysis on obsidian (Sicily and Turkey).

21:00 Dinner

July 5, Saturday

9:30-11:00 Round Table.

A 15 mins Summary of presentations by, a) Mike Glascock on “Analysis and Characterization”, b) Youxue Zhang on “Obsidian Dating and Diffusion Mechanisms”, and c) Robert Tykot on “Archaeological Aspects of Obsidians”.

Discussion and Concluding Remarks on the Current State of Obsidian Dating and Characterization Status.

11:00-13:00 Free time

13:30 Lunch

END OF THE WORKSHOP

Registration Fee: 250 Euros, Students: 60 Euro

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WWW: <http://www.geowiss.uni-hamburg.de/i-boden/tt14c.htm>



THEORETICAL-PRACTICAL COURSE **ON SPECTROSCOPIC TECHNIQUES FOR** **MATERIALS, ENVIRONMENT AND** **CULTURAL HERITAGE**

Dear Colleagues,

I would like to inform you that next month, in Erice, Sicily (ITALY) we will organize a Theoretical-Practical Course on Spectroscopic Techniques for Materials, Environment and Cultural Heritage. The Course will offer an almost unique opportunity of getting acquainted with innovative spectroscopic techniques as LIBS, micro-Raman and Multi-spectral Imaging, with hands-on practical demonstrations on laboratory and commercial instruments that will be available for tests and measurements during the Course. All participants are, in fact, encouraged to bring with them samples and materials of their interest to be measured and tested with the different techniques available. It would be great to have some of your students or collaborators participating to the Course, since it would also hopefully be a wonderful starting point for possible mutual collaborations in a near future.

You can find the details about the Course at the WEB page www.ipcf.cnr.it/erice2003.html

Please feel free to contact me or my colleague Montserrat Hidalgo (hidalgo@ipcf.cnr.it) for any further information Thank you for your consideration, with best regards,

Vincenzo Palleschi

Director of the Course

!! PLEASE NOTE NEW E-MAIL ADDRESS: vince@ipcf.cnr.it !!

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34TH ARCTIC WORKSHOP, 2004: **INSTAAR, UNIVERSITY OF COLORADO**

The 34th Annual International Arctic Workshop will be held March 11-13, 2004, at the Institute of Arctic and Alpine Research (INSTAAR), University of Colorado at Boulder. The workshop web site is <http://instaar.colorado.edu/meetings/AW2004/> (note that "AW" is capitalized).

This workshop has grown out of a series of informal annual meetings sponsored by INSTAAR and other academic institutions worldwide. In keeping with this tradition, there are no formalized topics, and the workshop is organized around themes developed from abstracts submitted for presentation and poster display. In 2004, we hope to build upon the increasing interdisciplinary breadth of previous years by encouraging additional contributions in glaciology and snow sciences. Previous Arctic Workshops have included presentations on Arctic and Antarctic climate, archeology, environmental geochemistry, anthropology, geomorphology, hydrology, glaciology, soils, ecology, oceanography, Quaternary history, and more.

WHEN:

Reception and Registration: Wed. evening March 10th, 5 pm - 8 pm.

Main program: Thurs. through Sat., March 11th to 13th.

WHERE:

Boulder, Colorado, Institute of Arctic and Alpine Research, University of Colorado East Campus (30th and Marine), Research Buildings #1 and #3.

ABSTRACTS:

Submission of abstracts through our web site will begin before December 15th, 2003.

Deadline for submissions will be February 22nd, 2004.

Presentations: You will be able to choose either a poster or a talk, but probably not both.

REGISTRATION:

Registration through our web site will begin before December 15th, 2003.

Graduate student registration will be \$60. As in the past, we have a limited amount of NSF money on hand for Graduate support.

Professional registration will be \$95 if paid by March 7th, 2004.

After that date, professional registration will be \$125, including payment at the time of the workshop.

EMAIL ADDRESS:

If you have questions, please email us at ArcticWS@colorado.edu

LODGING:

We will provide updated links on our web site to Boulder motels and plan to arrange block reservations at a local hotel.

RESEARCH THEMES:

Arctic Workshops have traditionally included a broad spectrum of talks and posters. However, we have also accommodated specific themes. We can also help arrange small group meetings but it helps if we have notice and a preferred time so we can book the room(s). Please identify any special topics or needs by emailing Tad Pfeffer at: pfeffer@tintin.colorado.edu.

ITALIAN FESTIVAL 2003 IN GREECE

SEMINARY ON THE RESTORATION OF MONUMENTS AND HISTORICAL BUILDINGS 07 JULY 2003 – SCUOLA ARCHEOLOGICA ITALIANA DI ATENE

Odos Parthenonos 14, Athens

Dear colleagues,

Herewith enclosed is the program of an event, organised in Athens at the Italian School of Archaeology. In the hope to have your interest about this,

sincerely yours

Renzo

Dr. Renzo Salimbeni
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PROGRAM

Ore 09.00 – Registration

Ore 09.30 – Welcome by the Ambassador of Italy Gianpaolo Cavarai .

Ore 09.45 – Presentation given by the Director of the Restoration of Monuments of the Hellenic Ministry for Cultural Heritage - Dr. Dimosthenis Zyro’

Ore 10.00 – Presentation given by the Director of the Scuola Archeologica Italiana di Atene - Prof. Emanuele Greco

Ore 10.15 – Presentation given by the Director of the Ufficio ICE di Atene - Dr. Pier Alberto Cucino

Ore 10.30 – Presentation given by Dr. Francesco Gravina – Regione Toscana Dipartimento delle Politiche Formative e dei Beni Culturali

Ore 10.50 – Presentation given by Dr. Renzo Salimbeni – Istituto di Fisica Applicata “Nello Carrara” – IFAC - CNR of Florence “Advanced Technologies for

Cultural Heritage. The Project “Optocantieri” for the technological innovation in Tuscany”

Ore 11.10 – Coffee break

Ore 11.20 – Presentation given by Dr. Giovanni Bardelli – I.D.S. – Ingegneria dei Sistemi S.p.A. – Pisa “The Georadar for non-destructive investigation in Archeological sites. Results of the most recent technological developments”

Ore 11.50 – Presentation given by Dr. Andrea Camilli – Soprintendenza Archeologica della Toscana “The roman ships of Pisa: knowledge and enhancement of maritime archaeology in Tuscany (project Anser – Ancient maritime routs in Mediterranean)

Ore 12.10 – Presentation given by Dr.ssa Clara Baracchini – Soprintendenza ai Beni Ambientali, architettonici, artistici e storici di Pisa “ An experience and a proposal to manage the restoration and to enhance the knowledge of a monumental site: the Project Piazza dei Miracoli

Ore 12.30 – Presentation given by Intervento Prof. Mario Marchisio – Department of Civil Engineering of the University of Pisa “Non-destructive investigation of monuments (Project Onsiteformasonry)”

Ore 12.50 – Presentation given by Arch. Francesca Fabiani – RestauroItalia “Traditional and innovative techniques in the restoration of historical buildings”

Ore 13.10 – Presentation given by Arch. Paolo Pieri Nerli – Institute for art and restoration “Palazzo Spinelli” – Florence “Plaster Architecture: decorative elements in stucco and artificial stone in the architectures of the IX e XX centuries”

Ore 13.30 – Cocktail buffet

Ore 15.00 – Presentation given by Dr.ssa Letizia Caselli – VEGA Scientific Technologic Park of Venice “From restoration to planned conservation: science, formation and new technologies for Cultural Heritage”

Ore 15.20 – Presentation given by Dr. Giuseppe L. Bovio – Boviar srl “ Diagnostic Instruments and techniques for the evaluation in situ of the deterioration of materials and structures of monuments”

Ore 15.50 – Presentation given by Dr.ssa Ivi Gabrielides – Goppion srl “Restoration and then? Exposition and conservation, some applied cases”

Ore 16.10 – Presentation given by Dr. Asser Brynie (ABIO) – Igea S.p.A - “Materials for restoration – use of lime and not harmful materials”

Ore 16.30 – Presentation given by Ing. Valter Maria Santoro - I.Ge.S snc – Umiblok srl –

Tecres srl “Investigation and controls on masonry – methodologies and innovative techniques of intervention for the recovery of degraded buildings of historical heritage (churches, theatres, museums) – de-humidification of masonry by mechanical cut and insertion of mechanical barriers suitable for seismic areas”

Ore 16.50 – Presentation given by Dr.ssa Paola Negri and Dr.Leonardo Borgioli CTS srl
Presentation of the company and “New products and equipment for restoration”

Ore 17.10 – Final remarks

17.20 –19.00 : Bilateral meetings



XVI INTERNATIONAL CONGRESS OF CLASSICAL ARCHAEOLOGY (AIAC)

Common Ground: Archaeology, Art, Science, and Humanities
Boston/Cambridge, Massachusetts, USA, August 23-26, 2003

Reduced Early Registration fees extended through June 30

Save \$50 off the regular registration fee if you register by June 30! Register on-line at: <http://www.artmuseums.harvard.edu/sites/aiac/ancongress.html>; download a registration form from the AIAC congress website to register by fax or mail; or call the number listed below to have one mailed to you. Full-price registration begins on July 1.

Keynote Speaker announcement

We are pleased to announce George L. Huxley will present the AIAC 2003 Keynote Address. Huxley, a member of the Royal Irish Academy, Honorary Professor of Trinity College, Dublin, and former director of the Gennadius Library of the American School of Classical Studies at Athens will deliver his talk “Art, Science, and Unifying Vision in Classical Archaeology”, on Saturday, August 23.

Roundtable Discussions/Monday, August 25/12:30 - 2:00 p.m.

AIAC Today, Creating the FASTI On-Line

Chair, Elizabeth Frentress

Vice President of the Associazione Internazionale di Archeologia Classica (AIAC)

Discussion on latest plans for creating an on-line database of all excavations in Italy; expanding the project throughout the classical world; and goals of AIAC in the next five years.

New Developments and Potential Projects for the US/Italy Long-term Loan Program

Chair, Bonnie Magness-Gardiner

Senior Cultural Property Analyst, U.S. Department of State

This roundtable is intended to widen knowledge of the program, encourage participation, and discuss potential loan projects.

Hotel Reservations

A special discounted rate of \$185.00 single or double occupancy is still available for congress attendees at the Sheraton Boston Hotel. The deadline for hotel reservations at the discounted rate is July 30, 2003. Make your reservations now to secure lodgings during Boston’s busy summer season.

Make your hotel reservations by phone, by email, or online:

Reservations: 1-800-325-3535

Email: boston.sales@sheraton.com

Online: <http://www.starwood.com>

For on-line reservations: Congress Meeting Code: 13174; City Code: Boston

AIAC 2003 Congress Schedule

Saturday, August 23

9:00 a.m. - 6:00 p.m. Congress Registration

11:00 a.m. - 12:30 p.m. Plenary Opening Session

Welcome Remarks: AIAC Organizing Committee
President of AIAC

I-A Keynote Speaker: George L. Huxley

1:30 p.m. - 4:30 p.m. Afternoon Sessions

II-A History of Archaeology

II-B Recycling in Antiquity

II-C Magic and Religious Practices

II-D Cultural Interactions in the Classical World I

II-E New Discoveries: Greece, Balkans and Turkey

II-F Collections and Collectors of Antiquities in 19th Century Belgium (Colloquium)

II-G Allusions to Elsewhere: Copies, Fakes and Souvenirs in the Roman World
(Colloquium)

2:00 p.m. - 5:00 p.m. Exhibit Hall

6:00 p.m. - 8:00 p.m. Welcome Reception, Sheraton Boston Hotel

Sunday, August 24

7:30 a.m. - 9:00 a.m. Continental Breakfast

9:00 a.m. - 6:00 p.m. Congress Registration

9:00 a.m. - 5:00 p.m. Exhibit Hall

9:00 a.m. - 12:00 p.m. Morning Sessions

III-A Museums and Collecting in the Past

III-B Crossing Boundaries

III-C Post-Antique

III-D Numismatics and Epigraphy

III-E Investigating Dionysiac Imagery

III-F Building the Image of the “Urbs” in Antiquity (Colloquium)

III-G Revealing the “Logos” of “Techne”: Ancient Technology through Modern Lenses
(Colloquium)

III-H Testing Classical Boundaries: Promises and Problems in the Study of the
‘Periphery’ (Colloquium)

11:30 a.m. - 1:30 p.m. Poster Session

2:00 p.m. - 5:00 p.m. Afternoon Sessions

- IV-A New Discoveries: Italy
- IV-B Houses, Palaces and Villas
- IV-C Conservation and Restoration
- IV-D New Discoveries: North Africa
- IV-E Methods and Meanings in Funerary Practices
- IV-F Education: Grounding our Knowledge
- IV-G Roman Social History and Archaeology: New Models and Material Evidence (Colloquium)

6:00 p.m. - 8:00 p.m. Buses depart for Fogg Museum Reception and viewing of the special exhibition:

The City of Sardis: Approaches in Graphic Recording

Monday, August 25

- 7:30 a.m. - 9:00 a.m. Continental Breakfast
- 9:00 a.m. - 6:00 p.m. Congress Registration
- 9:00 a.m. - 5:00 p.m. Exhibit Hall

9:00 a.m. - 12:00 p.m. Morning Sessions

- V-A Ancient Society I
- V-B Ancient Technologies I
- V-C Elements of Architecture in the Ancient World
- V-D Recording the Past
- V-E Iconography in Sculpture
- V-F Real-Time Reconstruction Models for Exhibition and Educations: The Herodian Temple Mount Installation at the Davidson Center in Jerusalem (Colloquium)
- V-G Children in Ancient Greece I (Colloquium)

12:30 p.m. - 2:00 p.m. Roundtable Discussions

- V-H AIAC Today, Creating the FASTI On-Line
- V-I New Developments and Potential Projects for the US/Italy Long-term Loan Program

2:00 p.m. - 5:00 p.m. Afternoon Sessions

- VI-A Ancient Society II
- VI-B Ancient Technologies II
- VI-C Collecting in the Present
- VI-D Landscapes
- VI-E Iconography of Myth
- VI-F Cultural Interactions in the Classical World II
- VI-G Children in Ancient Greece II (Colloquium)

Tuesday, August 26

8:30 a.m. - 9:00 a.m. Closing Remarks

9:00 a.m. Buses depart for day-long excursion to Hood Museum of Art, Dartmouth College, Hanover, New Hampshire, to view the exhibition: *Coming of Age in Ancient Greece*

9:00 a.m. - 11:00 a.m. Exhibit Hall

Please visit our website listed below to view this schedule, the entire Congress Program, special events and more!

For more information:

The Organizing Committee of AIAC 2003
Dept. of Ancient and Byzantine Art and Numismatics
Arthur M. Sackler Museum
Harvard University Art Museums
32 Quincy Street
Cambridge, Massachusetts 02138 USA

Tel: 617-495-3393

Fax: 617-495-5506

Email: AIAC2003@fas.harvard.edu

<http://www.artmuseums.harvard.edu/sites/aiac/ancongress.html>

THE THIRD YOUNGER EUROPEAN CHEMISTS' CONFERENCE

**26 to 29 August 2003, European Synchrotron Radiation
Facility (ESRF), Grenoble, France**

Younger European Chemists (21 to 35 years of age) are eagerly sought to contribute to and participate in the above new initiative for younger European chemists.

Full details are at our website www.setforeurope.org and at navigation button **Grenoble 2003** from where you can download the Conference leaflet, application form and flyer. Electronic Submission is also possible.

This Conference offers a unique opportunity to meet younger chemists from many parts of Europe, to learn of different areas of chemistry, and to network and interact with people from widely differing fields, from different countries and institutions, and at different career levels.

Core aspects of the Conference are Posters and Short Talks by younger chemists, Keynote Speakers, touring the ESRF and ILL scientific facilities, a social visit to the Alps, etc.

The prestigious 2003 Europa Medal and Prize of 1,000 euros will be presented for the best Poster and best younger European chemist, and there will be Runner-Up Prizes.

Keynote speakers include Professor Jon McCleverty of Bristol University, UK (a distinguished inorganic chemist, past Chairman of the UK Government's Chemistry Committee, and active in several European forums) and Dr Volker Trautz, CEO and President of Basell Polyolefins, Switzerland and recent Chairman of the European Chemical Industry Annual Forum.

Accommodation will be on the ESRF site in the very well-appointed guesthouses.

Printed Deadline for Applications is 4 July but **we are now willing to accept Applications up to 24 July**, especially on advance notice to us.

We hope that European chemistry will be widely represented at Grenoble 2003. We await your Applications!

Dr Eric Wharton

Director: SET for EUROPE/CHEMISTRY 2003

Address: 1 The Green, Chilton, Didcot, OXON OX11 0SD, UK

E: ericw@setforeurope.org or ericw@setforeurope.demon.co.uk

Please promote the event to all younger chemists in your
Laboratory/University/Company

SEMINARS IN OXFORD

For those in or around Oxford (UK) tomorrow (July 1st) the first of these seminars might be of interest.

Sorry about the late notice but I have only just received notice of this.

Dear All,

One of our very distinguished former students is in Oxford this week. He is Professor T R Anantharaman, who was a Rhodes scholar in the department from 1951 - 1954; Professor Anantharaman did his D.Phil. under the supervision of Professor Hume-Rothery, and was one of our first D.Phils. He is currently chancellor of Ashram Atmadeep, which is the Research Centre for India's Heritage. I am delighted that he is willing to give two seminars this week, with the general theme:

"Metallurgy - ancient and modern".

The first seminar will be on Tuesday 1st July at 2.15 in the Hume-rothery Lecture Theatre, with the title:

"Metallurgical Marvels of Ancient India"

The second seminar will be on Thursday 3rd July, this time in the Lecture Theatre of 21 Banbury Road, at 11.15 a.m. (NOTE the different venue and time). The title for this second talk will be:

"The Quasicrystal Story"

ALL ARE INVITED TO ATTEND THESE TWO SEMINARS

Chris Salter,
Department of Materials Characterisation Services,
Begbroke Business and Science Park,
Sandy Lane, Yarnton, Oxford, OX5 1PF
Tel 01865 283722, EPMA 283741, Mobile 07776031608

ΝΕΕΣ ΕΚΔΟΣΕΙΣ – NEW PUBLICATIONS

ORDNANCE SOCIETY JOURNAL 2002

The Journal of the Ordnance Society for 2002 volume 14 has just been published.

Articles include:

Casting and firing a replica of the Loshult gun - *Peter Vemming Hansen*

Gun carriages in a notebook of Portuguese field artillery - *Richard Barker*

A description and appraisal of ordnance from three Spanish Armada transports c 1588 -
D M M^cElvogue

The design and evolution of English cast-iron guns from 1543 to 1660 - *Charles Trollope*

Protecting Gibraltar: George III's presents to the Emperor of Morocco - *Ruth Rhynas
Brown*

Guns for the Monitors: Developing the XV-inch Dahlgren smoothbore - *Eugene B
Canfield*

Lyttleton's LEO - A new 105-mm gun concept - *Terry J Gander*

Comment on The History of Rifling by John Day - *Charles Trollope*

Further information at the Society website: <http://freespace.virgin.net/ordnance.society/>

Robert Smith

PUBLICATION ON LH III C **CHRONOLOGY**

The Mykenische Kommission of the Austrian Academy of Sciences is happy to announce a new publication:

Deger-Jalkotzy, Sigrid - Zavadil, Michaela (eds.), LH III C Chronology and Synchronisms, Proceedings of the International Workshop held at the Austrian Academy of Sciences at Vienna, May 7th and 8th, 2001, Veröffentlichungen der Mykenischen Kommission 20, Wien 2003.

Contents:

Alram-Stern E., Aigeira - Acropolis: The Stratigraphy, pp. 15-21.

D'Agata A. L., Late Minoan III C-Subminoan Pottery Sequence at Thronos/Kephala and its Connections with the Greek Mainland, pp. 23-35.

Dakoronia F., The Transition from Late Helladic III C to the Early Iron Age at Kynos, pp. 37-51.

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ΘΕΣΕΙΣ ΕΡΓΑΣΙΑΣ/ΥΠΟΤΡΟΦΙΕΣ –
JOB VACANCIES/FELLOWSHIPS

POST-DOCTORAL POSITIONS AT
LEVERHULME CENTRE FOR HUMAN
EVOLUTIONARY STUDIES

Dear All,

Would you pass the information below to anyone who you may think might be interested in these post-doctoral positions at our Centre?

Many thanks!

With best regards

Marta

The Leverhulme Centre for Human Evolutionary Studies (LCHES) has three post-doctoral positions open. The three researchers appointed will be working with staff at LCHES within the projects "Pioneers of Island Melanesia" and "Searching for Traces of the Southern Dispersal". Although the research profile of all three posts is defined, we are open to discuss ideas on how best to tackle the questions that we are posing with potential candidates. Therefore, we welcome applications from a range of fields. The deadline for applications is the 15th of July, and these may be sent electronically.

Further information about these jobs may be found at:
<http://www.human-evol.cam.ac.uk/opportunities.htm> or in the documents below.

Further information about the Centre, its members and their research may be found at:
<http://www.human-evol.cam.ac.uk.htm> and <http://www.human-evol.cam.ac.uk/news.htm>

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Leverhulme Centre for Human Evolutionary Studies

PIONEERS OF ISLAND MELANESIA

Post-Doctoral Appointment

Applications are sought for a post-doctoral researcher at the Leverhulme Centre for Human Evolutionary Studies at the University of Cambridge, to work on a multi-disciplinary project investigating the population history of Island Melanesia. The aim of the project is to contribute towards the understanding of the populational, biological, cultural and linguistic history of the region, with a view to understanding the processes and mechanisms by which linguistic diversity is established and maintained, and the interaction of biological and cultural processes. Overall researchers in the project employ linguistic, archaeological, genetic and biological methods.

The successful candidate will be expected to work with Dr Marta Mirazón Lahr and Dr Robert Foley and on the development of a database of material cultural diversity for the region, and to develop and apply analytical methods to its analysis in relation to biogeographical, linguistic and biological data.

The successful candidate will be expected to hold a Ph.D. in a relevant field, to have research experience in anthropology, archaeology or a related field, and to be able to work with quantitative techniques. A willingness to engage in inter-disciplinary collaborations is essential. The position will involve periods of fieldwork in Melanesia.

The position is available from 1 October 2003, or another date by agreement.

Salary: £18,265 - £22,191 according to experience.

The project is funded by the AHRB, through the European Science Foundation Eurocores Programme, and involves institutions from the UK, The Netherlands, Germany and Sweden.

Collaborating Institutions:

University of Cambridge (Marta Mirazon Lahr, Robert Foley)

University of Oxford (Christopher Gosden)

Max Planck Institute for Psycholinguistics, Nijmegen (Stephen Levinson, Angela Tirrell, Michael Dunn, Ger Reesink)

Max Planck Institute for Evolutionary Anthropology, Leipzig (Mark Stoneking, Manfred Kaiser)

University of Stockholm (Eva Lindstrom)

Project Summary

In the islands of the Bismarck Archipelago (New Britain, New Ireland), Bougainville, and the Solomons chain (what we can call 'Island Melanesia'), there are currently a large number of languages spoken which belong to the Oceanic branch of the Austronesian family. Apart from these languages, there is a smaller set distributed through this area known as the East Papuan languages, which have no demonstrable relationship to the Austronesian languages, and which are difficult to relate even to each other. It is now widely accepted that the Oceanic languages spread with the Lapita culture-complex, which appears on the archaeological record between 4000 and 3500 before the present (BP). Radiocarbon dating has shown that Island Melanesia was inhabited by humans by at least 35000 BP, and it is widely thought that the East Papuan languages are

descendants of languages spoken by at least some of these earlier, pre-Lapita, populations.

Our hypothesis is that these relic Papuan populations hold the key to understanding the pre-Austronesian past. There have been few waves of immigration moving through Island Melanesia; after the initial Sahul expansion there is no evidence for other influxes of people until the Lapita expansion. The special geographic situation of Island Melanesia, both its isolation and its position at the very end of a possible migration route, gives us an unusual opportunity to untangle prehistoric layers of settlement. This situation is in stark contrast to other areas of the world, such as Europe, where constant population movements have obscured this level of deep prehistory beyond hope of detailed reconstruction. An interdisciplinary approach to the area is most likely to be revealing; we plan to combine linguistic, biological anthropological, archaeological and genetic sources of information in a methodologically well-informed manner.

The project will investigate the original settlers of Island Melanesia, and by combining evidence from different disciplines, it will build a composite picture of the settlement patterns, population structure and linguistic relationships between these pioneering peoples.

Investigation into the Papuan languages of the area can tell us much about early contact relationships between the languages and thus their speakers. In particular the project will investigate whether there is any linguistic evidence of smaller divisions or zones of intensive contact between the Papuan languages. An archaeological survey will begin to assemble a catalogue of pre-Austronesian technological features, as well as clarifying how widespread the early population of the outlier islands was. Collection of genetic and biological anthropological material from some of the outlier Papuan groups will enable us to assess levels of genetic relatedness between the populations.

Through comparison of anthropological features we will situate our emerging picture of the populations in their ecological context. Methodological development in the modelling of linguistic, demographic and ecological change will place patterns found in Island Melanesia within a strong theoretical framework, which in turn will allow us to separate out layers of cultural influences. In addition we will investigate the extent to which the populational history of Melanesia provides insights into processes and mechanisms of cultural, linguistic and evolutionary change.

It is envisaged that from this composite picture of deep prehistory it might ultimately be possible to show evidence of wider relationships between the East Papuan languages and peoples and the languages and peoples of mainland New Guinea, or Australia.

Applications

Applications should be sent to Dr Robert Foley, Leverhulme Centre for Human Evolutionary Studies, University of Cambridge, Downing Street, Cambridge, CB2 3DZ, to reach him not later than **15 July 2003**. Applications (two copies) should consist of: an application form (available at <http://www.human-evol.cam.ac.uk/opportunities.htm/> in PDF form, or by request from Ms Madeline Watt, mmw23@cam.ac.uk; phone: +44 (0)1223 763419); a CV; a two page summary of research experience and interests, and how these relate to the project, and the names and addresses of two referees.

For further details about:

Pioneers of Island Melanesia Project:

<http://www.eastpapuan.ling.su.se/index.html?Pioneers-intro.html>

LCHES: <http://www.human-evol.cam.ac.uk/>

University of Cambridge: <http://www.cam.ac.uk/>

Further enquiries can be made to Dr Robert Foley at r.foley@human-evol.cam.ac.uk,
or telephone +44 (0)1223 335455.

The University of Cambridge is an equal opportunities employer.

Leverhulme Centre for Human Evolutionary Studies

SEARCHING FOR TRACES OF THE SOUTHERN DISPERSAL: ENVIRONMENTAL AND HISTORICAL RESEARCH ON THE EVOLUTION OF HUMAN DIVERSITY IN SOUTHERN ASIA AND AUSTRALO-MELANESIA

Post-doctoral Appointments

Applications are sought for two (2) post-doctoral researchers at the Leverhulme Centre for Human Evolutionary Studies at the University of Cambridge, to work on a multidisciplinary project investigating the dispersal of humans out of Africa. The aim of the project is to test the hypothesis of a Southern Dispersal of modern humans (from East Africa to southern Asia) by integrating palaeoenvironmental and palaeoanthropological data. The project has two complementary strategies – to generate new evidence for the occupation of Southern Asia and Australo-Melanesia by modern humans (archaeological excavations, dating of new and old archaeological sites, fossils and palaeoenvironmental features), and to compile, analyse and synthesise existing archaeological, palaeobiological and palaeoenvironmental evidence (building databases of archaeological sites, fossil remains and associated features in southern Asia, build sea-level maps, examine archaeological assemblages and human remains in Arabia, South and Southeast Asia, carry out computer simulations to address the rate, direction and demography of potential population expansions). The project will thus establish the environmental likelihood of such a dispersal event, and the degree of empirical support from existing palaeoanthropological data.

The successful candidates will work closely with an interdisciplinary team. The candidate will work most closely with Dr Marta Mirazón Lahr, the Principal Investigator of the project, and Dr Michael Petraglia, Co-Investigator. The candidate will also interface with dating experts and earth scientists at Oxford, Cambridge and Wales, including Dr Stephen Stokes, Prof Tjeerd van Andel, and Dr Geoff Duller.

The successful candidates will be expected to be involved in several aspects of the project, from fieldwork to analytical studies, but with emphasis towards:

1. building an archaeological database for the period concerned and computer simulation models, integrating palaeogeographical and palaeoclimatic evidence (3 year post)
2. building a palaeobiological database for the region The successful candidate will be expected to hold a Ph.D. in a relevant field, to have research experience in anthropology, archaeology, or a related field, and to be able to work with quantitative and mapping techniques. Relevant work experience may include morphological or population genetic analytical skills, an understanding of Palaeolithic technology, development of palaeo-environmental maps, and archaeological site mapping, as well as experience in the

development and management of large databases, GIS applications, and computer simulations. A willingness to engage in inter-disciplinary collaboration is essential. The positions will involve possible fieldwork opportunities in Saudi Arabia and India, and are available from 1 October 2003, or another date by agreement.

Salary: 1 year postdoctoral award, £18,265 per annum

3 year postdoctoral award, £18,265 - £22,191 per annum, according to experience

The project is funded by NERC, as part of the EFCHEd programme. The project involves the University of Cambridge, the University of Oxford, the University of Wales, and collaborating scholars in Arabia and South Asia.

Project Aims

This project addresses four major scientific issues with four aims:

1) To investigate the palaeoenvironmental context for a Southern Dispersal Route out of Africa by establishing the nature of the palaeoenvironment (including sea-levels) along southern Asia during Stage 4; *Objective:* To build palaeoenvironmental maps for the southern Asian coastal areas based on sea-level reconstructions and the compilation of palaeoecological data into a palaeoenvironmental archive.

2) To study the morphology of present and past populations along the suggested route with the explicit intent of testing their similarities and differences through time; *Objective:* To carry out a comparative study of the late Pleistocene and early Holocene human fossil record of East Africa, India and Australia, involving the collection of new data, as well as the compilation of existing data into a comprehensive palaeobiological archive for these regions.

3) To study aspects of the Middle Palaeolithic record of Saudi Arabia and India, including the dating of key archaeological sites in the former *Objective:* To date Middle Palaeolithic stratigraphic sequences in India and palaeolake sediments associated with Middle Stone Age lithic industries in the Arabian Peninsula through SAR optical dating and to carry out a comparative study of the early Upper Pleistocene/Middle Stone Age/Middle Palaeolithic archaeological record of the Arabian Peninsula and Indian coast.

4) To explore the pattern of population movement (direction, rate, permanency) along the hypothesised route through geographically and demographically explicit simulations of population expansions from Africa to southern Asia. *Objective:* To carry out geographically specific simulations of population movement along the hypothesised route, altering demographic and ecological parameters.

Applications

Applications should be sent to Dr Marta Mirazón Lahr, Leverhulme Centre for Human Evolutionary Studies, University of Cambridge, Downing Street, Cambridge, CB2 3DZ, to reach her no later than 15 July 2003.

Applications (two copies) should consist of: an application form (available at <http://www.human-evol.cam.ac.uk/opportunities.htm>, in PDF form, or by request from Ms Madeline Watt, mmw23@cam.ac.uk; phone +44 (0)1223 763419); a CV; a two page summary of research experience and interests, and how these relate to the project; and the names and addresses of two referees.

For further details

EFCHEd: <http://www.nerc.ac.uk/funding/thematics/efched/>

LCHES: <http://www.human-evol.cam.ac.uk>

University of Cambridge: <http://www.cam.ac.uk/>

Further enquiries can be made to Dr Marta Mirazón Lahr at m.mirazon-lahr@human-evol.cam.ac.uk, or telephone +44 (0)1223 335463.

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INTERNET SITES

THE HISTORY OF ANCIENT CRAFT

Dear colleagues!

I invite you to visit web-site “The History of Ancient Craft”.

URL: <http://www.ancientcraft.ru/indexeng.htm>

V.Zavyalov

ANNOTATED BIBLIOGRAPHY OF INFLUENTIAL RESEARCH IN PALEOECOLOGY

This is an announcement for an online survey of influential literature in the broad field of paleoecology. The goal of the survey is to create a bibliography that represents the important directions of research in paleoecology. This bibliography is developed by anonymous contributions from anyone whose research or teaching is influenced in some way by work in the field of paleoecology, not necessarily only from people who consider themselves paleoecologists. The bibliography and annotations may be viewed as a formatted list or imported into EndNote software.

The motivation for this survey is to demonstrate the current research areas in paleoecology for an upcoming discussion at the annual meeting of the Ecological Society of America (ESA) in Savannah, GA on the "Future of Paleoecology", sponsored by the Paleoecology Section of ESA. With many investigators pursuing new directions and techniques, exciting new developments are occurring in paleoecology. This community-wide discussion will focus on where the field is headed. The online survey is designed so people not attending the discussion may share thoughts electronically. Already, the list of references is impressive, many with insightful comments attached to individual references, but some major sub-fields of paleoecology are underrepresented. We hope you will contribute and make this survey a success.

The survey is at: <http://www.life.uiuc.edu/hu/ESAsurvey/>

Thank you,

Dan Gavin
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University of Illinois
Urbana, IL 61801
dgavin@life.uiuc.edu



GORDION REDATING

Greetings from Ankara,

For those interested in the Anatolian Iron Age, a statement on the redating of the destruction level at Gordion can be found at:

<http://antiquity.ac.uk/ProjGall/devries/devries.html>

Geoff

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ΑΝΑΚΟΙΝΩΣΗ - ANNOUNCEMENT

SYDNEY CYPRUS SURVEY PROJECT

Dear all,

We are pleased to announce the final publication of the Sydney Cyprus Survey Project. It has three main components:

MONOGRAPH:

Given, Michael, and Knapp, A. Bernard

2003 *The Sydney Cyprus Survey Project: Social Approaches to Regional Archaeological Survey*. With twenty contributors. Monumenta Archaeologica 21. Los Angeles, University of California at Los Angeles Cotsen Institute of Archaeology.

<http://dal.ioa.ucla.edu/pubs/FMPro?-DB=Products.fp5&-Format=Detail.html&-Lay=CGI&-RecId=32907&-Token=35193&-Find>

WEBSITE:

The new 200-page SCSP website includes interactive maps, photos and texts, which allow the visitor to explore the SCSP landscape (click on Fieldwork/SIAs); a searchable gazetteer of all our Places of Special Interest (click on Fieldwork/POSI); GIS maps; a full account of our methodology; period summaries; and more... Note that we will continue to develop and update this website.

<http://www.scsp.arts.gla.ac.uk/>

DIGITAL ARCHIVE:

All of the data from the project's database and GIS are being archived and maintained by the UK Archaeology Data Service, and are freely available from their website:

http://ads.ahds.ac.uk/catalogue/projArch/scsp_var_2001/

Best wishes,

A. Bernard Knapp and Michael Given