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(Ένωση Ελλήνων Χημικών)

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- Σεπτέμβριος 2005 -

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ΠΙΝΑΚΑΣ ΠΕΡΙΕΧΟΜΕΝΩΝ – TABLE OF CONTENTS

ΣΥΝΕΔΡΙΑ – CONFERENCES/WORKSHOPS

Lead and silver: its mining and metallurgy - Historical Metallurgy Society
annual conference, Key Centre in Middleham, lower Wensleydale, North
Yorkshire, 9-11 September **page 4**

XI International Conference on the Physics of non Crystalline Solids, Rhodes
29 October - 2 November 2006 **page 6**

22nd International Meeting on Organic Geochemistry, September 12-16, 2005,
Seville, Spain **page 7**

ΘΕΣΕΙΣ ΕΡΓΑΣΙΑΣ/ΥΠΟΤΡΟΦΙΕΣ – JOB VACANCIES/FELLOWSHIPS

Conservation Science Position, Buffalo State College **page 8**

Post-doc fellowship, ANSTO, Sydney Australia: applications of cosmogenic
nuclides to paleo-climate change **page 9**

THE AMERICAN SCHOOL OF CLASSICAL STUDIES AT ATHENS –
STUDY IN GREECE: PROGRAMS & FELLOWSHIPS 2006/07 **page 11**

THE AMERICAN CENTER OF ORIENTAL RESEARCH (AMMAN)
ANNOUNCEMENT OF FELLOWSHIPS 2006-2007 **page 15**

ΑΝΑΚΟΙΝΩΣΕΙΣ - ANNOUNCEMENTS

Tel Kabri excavations **page 17**

INTERNET SITES

Centuries of Darkness website updated **page 18**

Digital Classicist project **page 19**

Updates to the Archaeology @ About.com Website **page 20**

Çatalhöyük at The Archaeology Channel **page 21**

Evolution du site egypt. Edu **page 23**

ΝΕΕΣ ΕΚΔΟΣΕΙΣ – NEW PUBLICATIONS

Η Ιστορία του Σιδήρου από τον Όμηρο στον Ξενοφάντα, Τα σιδερένια
ευρήματα και η αρχαία ελληνική γραμματεία με το μάτι ενός μεταλλουργού,
Γιώργου Βαρουφάκη **page 26**

Talanta 34/35 just appeared **page 28**

ΕΙΔΗΣΕΙΣ - NEWS RELEASE

Prehistoric casting centre found in Vietnam **page 30**

More gold from Bulgaria - 15000 gold ornaments **page 31**



ΣΥΝΕΔΡΙΑ - CONFERENCES/WORKSHOPS

LEAD AND SILVER: ITS MINING AND METALLURGY - HISTORICAL METALLURGY SOCIETY ANNUAL CONFERENCE, KEY CENTRE IN MIDDLEHAM, LOWER WENSLEYDALE, NORTH YORKSHIRE, 9-11 SEPTEMBER

The Historical Metallurgy Society's annual conference this year is at the Key Centre in Middleham, lower Wensleydale, North Yorkshire, 9-11 September. The subject of the conference - the mining and metallurgy of lead and silver - has attracted a bumper harvest of papers. If you are interested in attending, contact Peter Cloughton <P.F.Cloughton@exeter.ac.uk> or download a booking form from <http://www.exeter.ac.uk/~pfclaugh/mhinf/hmsbook.rtf>

The draft programme includes the following –

Mike Gill - The Yorkshire Lead Industry since 1962
Richard Smith - Bale Smelting a summary of the NMRS Bales project
John Pickin - Early lead smelting in southern Scotland.
Lynn Willies - Ancient silver/lead mines of Rajasthan revisited.
Richard Deveria - Silver rich ore from the Pentland Hills
Susan Mossman - Mycenaean lead
Peter Cloughton - Silver Mining: some examples from southern France
Richard Smith - Bale Sites in Nidderdale, North Yorkshire
Lynn Willies - The bole process re-evaluated
John Merkel - A report on Imperial Roman production of lead and silver in Upper Moesia (Serbia and Montenegro)
Nigel Page (Cambria Archaeology) - An update on the Erglodd excavations
Simon Timberlake - Archaeological excavations and experimental reconstruction of Roman and Early Medieval lead smelting bole furnaces at Banc Tynddol, nr. Penguelan, Cwmystwyth"
Lorna Anguilano - Analyses of Medieval lead slag from Copa Hill, Wales
Claire Cohen - Tradition Bolivian lead smelting in Huayrachina furnaces
Aude Mongiatti - The technological principles of the production of precious metals in central Europe during the Renaissance

Peter

Dr Peter Cloughton,

Blaenpant Morfil, nr. Rosebush, Clynderwen, Pembrokeshire, Wales SA66 7RE.

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Hon. University Fellow
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University of Exeter
E-mail: P.F.Claughton@exeter.ac.uk

Co-owner - mining-history e-mail discussion list.
See <http://www.jiscmail.ac.uk/files/mining-history/> for details.

Mining History Pages - <http://www.exeter.ac.uk/~pfclaugh/mhinf/>



XI INTERNATIONAL CONFERENCE
ON THE PHYSICS OF NON
CRYSTALLINE SOLIDS, RHODES,
29 OCTOBER - 2 NOVEMBER 2006

Dear Colleagues:

I am glad to inform you that the organization of the conference is going very well. I achieved very low prices of the hotels, local authority support, etc. The prices of the hotels will be posted soon in the web site of the conference and will be very low compared to other European cities.

Furthermore, there are numerous scientists who already registered and also visited the web site of the conference.

The second circular will be ready soon and will be available on line <http://www.ims.demokritos.gr/glass/XI-PNCS/index.htm>.

The printed form of the second circular will be mailed to the pre-registered colleagues. Therefore, I urge you to register to receive future material including the second circular, the conference poster, etc.

Hoping to see you in Rhodes

Best regards

George Kordas

Conference Chairman

22ND INTERNATIONAL MEETING ON
ORGANIC GEOCHEMISTRY,
SEPTEMBER 12-16, 2005, SEVILLE,
SPAIN

Conference Secretariat:

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ΘΕΣΕΙΣ ΕΡΓΑΣΙΑΣ/ΥΠΟΤΡΟΦΙΕΣ –
JOB VACANCIES/FELLOWSHIPS

CONSERVATION SCIENCE
POSITION, BUFFALO STATE
COLLEGE

Assistant Professor Conservation Science

Buffalo State College (BSC) seeks a conservation scientist to teach in the Art Conservation Department at the tenure track rank of Assistant Professor. This department is one of the few graduate programs in North America offering instruction in the theory and practice of the conservation of works of art and other cultural artifacts. A three-year curriculum leads to the award of the M.A. degree and a Certificate of Advanced Study in Art Conservation. Duties include the teaching of graduate level lecture and laboratory subjects in conservation science, contributing to the development of the science curriculum, working collaboratively with department instructors and, occasionally, other colleagues beyond the department or college and contributing to the college, community and profession.

Applicants must hold a Ph.D. in a physical science, such as materials science, physics or chemistry, show evidence of a high level of commitment to and experience in teaching at the college level, display effective communication skills and possess experience carrying out successful research projects germane to conservation in collaboration with other scientists.

Preferred qualifications include 1) a specialty in microscopy (optical and PLM) and/or pyrotechnologies (glass, ceramics, or metals); (2) experience in teaching at the graduate level; (3) a research and publications record; (4) postgraduate professional experience in science; (5) doctoral and/or postdoctoral experience in conservation science research or research immediately relevant to conservation of art and other objects of material culture; (6) experience using XRF, SEM, and XRD.

Send a cover letter, resume and three current letters of recommendation to: James Hamm, Professor and Chair Search Committee, Art Conservation Department RH230, Buffalo State College, 1300 Elmwood Ave., Buffalo, NY 14222-1095, USA.

Review of applications will begin on September 2, 2005 and continue until the position is filled. Visit our Department website for more information:

<http://www.buffalostate.edu/depts/artconservation/index.html>

BSC is an equal opportunity, affirmative action employer.

POST-DOC FELLOWSHIP, ANSTO, SYDNEY AUSTRALIA: APPLICATIONS OF COSMOGENIC NUCLIDES TO PALEO-CLIMATE CHANGE

Post-doctoral Research Fellowship

ANTARES / STAR AMS Facility

Australian Nuclear Science and Technology Organisation, Sydney, Australia.

2-year term (with option of extension) : \$50,110 - \$54,680

Palaeo-climate archive studies with cosmogenic isotopes

An experienced and energetic experimental scientist is sought to conduct independent and team-based research in the field of paleo-climate variability related to applications of cosmogenic and stable isotopes in the study of glacial geochronologies, solar variability and geomorphology (eg rates of landscape processes, soil production) during the Quaternary and last glacial cycle. This work will primarily be based on measurements of C-14, Be-10 and Al-26 at our ANTARES and STAR Accelerator Mass Spectrometry Facility in projects related to continental and mountain glacial formations, Antarctic ice cores, ocean and terrestrial sediments. A suite of chemistry laboratories for AMS sample preparation is also available.

He or she will be a member of a multi-faceted ANSTO project called CcASH-Cosmogenic climate Archives in the Southern Hemisphere. This activity is supported through university collaborations and institutional agreements and is focussed on applications of cosmogenic radionuclides (such a Be-10, Al-26, Cl-36 and C-14) to investigate Southern Hemisphere climate variability recorded in a variety of natural archives. The successful applicant will be expected to drive their own scientific research program and participate in other aspects of the project. The position requires knowledge in the role of the above cosmogenic and stable isotopes (eg d¹⁸O, d¹³C) and their geochemistry to palaeo-climate studies, experience in relevant sample preparation techniques and familiarity with experimental methods in AMS measurements.

Further information can be obtained by contacting Dr David Fink on +61 2 9717 3048 or email fink@ansto.gov.au

Applications close on September 30, 2005

Selection Criteria for the position and further information about ANSTO can be obtained from our homepage <<http://www.ansto.gov.au/>> or by contacting Ms Deanne Wood on +61 2 9717 3993 or e-mail Deanne.Wood@ansto.gov.au .

Details about project CcASH can be obtained at:

http://www.ansto.gov.au/nugeo/research/c_ccash.html

Applications must address the selection criteria, provide a CV and include the names of at least two referees. Applications should be forwarded to Ms Deanne Wood by e-mail

or mail to ANSTO, PMB1, Menai, NSW, 2234, Australia, quoting reference number
PD.2

Dr David Fink

Project Leader

ING, ANSTO, PMB1, Menai, 2234

AUSTRALIA

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

- 3840 (tandem)
- 3257 (fax)

61-2-9300-8083 (home)

E-mail : fink@ansto.gov.au

see our websites:

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

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



THE AMERICAN SCHOOL OF CLASSICAL STUDIES AT ATHENS - STUDY IN GREECE: PROGRAMS & FELLOWSHIPS 2006/07

For detailed information and application, contact:
The American School of Classical Studies at Athens
6-8 Charlton Street
Princeton, NJ 08540-5232
Tel: (609) 683-0800
Fax: (609) 924-0578
E-mail: ascsa@ascsa.org

Or visit our website at: www.ascsa.edu.gr

REGULAR PROGRAM MEMBERSHIP: Open to graduate students in classical studies and ancient Mediterranean studies and related fields (e.g., history of art, anthropology, prehistory, studies in post-classical Greece, etc.), who, preferably, have completed at least one year of graduate work. Competition is on the basis of transcripts, recommendations and examinations. Up to 13 predoctoral fellowships offered for Regular Academic Program with a stipend of \$10,000 plus room at Loring Hall on the School grounds, board and waiver of School fees. **FULBRIGHT FELLOWSHIPS:** Contact the Institute of International Education, at 809 United Nations Plaza, NY 10017, or visit their web site at www.iiepassport.org for an application and stipend information. **DEADLINE: JANUARY 15, 2006.**

STUDENT ASSOCIATE MEMBERSHIP: Open to advanced graduate students in the same fields as for Regular Membership, who plan to pursue independent research projects and who do not wish to commit to the full Regular Program. Two School fellowships with stipend of \$10,000 plus room, board and waiver of School fees are available. **THE M. ALISON FRANTZ FELLOWSHIP** is open to Ph.D. candidates and recent Ph.D.'s who demonstrate a need to work in the Gennadius Library. Fields of study include late antiquity, Byzantine or modern Greek studies. **THE JACOB HIRSCH FELLOWSHIP** is awarded to a Ph.D. candidate from the U.S. or Israel writing a dissertation, or to a recent Ph.D. completing a project such as revising a dissertation for publication, requiring a lengthy residence in Greece. For **FULBRIGHT FELLOWSHIPS** see above. **DEADLINE: JANUARY 15, 2006.**

SCHOOL ADVANCED FELLOWSHIPS: Several fellowships with a stipend of \$10,000 plus room, board and waiver of School fees are available to students who have completed the Regular Program or one year as a Student Associate Member. **DEADLINE: FEBRUARY 21, 2006.**

SENIOR ASSOCIATE MEMBERSHIP: Open to postdoctoral scholars with suitable

research projects. Application should be made to the Director in Athens. NO APPLICATION DEADLINE.

SUMMER SESSIONS MEMBERSHIP: Two six-week sessions explore the sites and museums in Greece. Open to graduate and undergraduate students and to high school and college teachers. The fee of \$2,950 includes tuition, travel within Greece, room, and partial board. Scholarships available. DEADLINE: JANUARY 15, 2006.

Membership application to the School must be made at the same time you apply to any outside funding organization for work at the School.

OTHER PREDOCTORAL FELLOWSHIPS

THE HARRY BIKAKIS FELLOWSHIP: Graduate students attending a North American institution or Greek graduate students working at School libraries whose research subject is ancient Greek law; or Greek graduate students working on a School excavation. The \$1,875 fellowship is awarded periodically, but not more frequently than once a year. DEADLINE: JANUARY 15, 2006.

THE W.F. ALBRIGHT INSTITUTE KRESS TRAVELING FELLOWSHIP: Ph.D. candidate working on a doctoral dissertation for 5 months at the W.F. Albright Institute of Archaeological Research in Jerusalem and 5 months at the ASCSA. Stipend of \$18,500 for ten months; U.S. citizens or students studying at U.S. universities. Applications: Dr. Joan R. Branham at jbranham@providence.edu or on web site: www.aiar.org. DEADLINE: OCTOBER 15, 2005.

OTHER PREDOCTORAL OR POSTDOCTORAL FELLOWSHIPS

THE OSCAR BRONEER TRAVELING FELLOWSHIP: Ph.D. candidate with approved dissertation proposal or recent Ph.D. who is teaching but without tenure. Past Regular Member of the ASCSA with plan to study at the American Academy in Rome. Terms: Housing, travel and living expenses up to \$30,000 for three to six months. Send applications to A.A.R. (www.aarome.org). DEADLINE: JANUARY 31, 2006.

CAORC MULTI-COUNTRY RESEARCH FELLOWSHIPS: To provide support for Ph.D. candidates and senior scholars whose research has regional significance and requires travel to several countries, at least one of which hosts an American overseas research center. Applications at CAORC's web site: www.caorc.org. Terms: Stipends up to \$9,000. DEADLINE: JANUARY 13, 2006.

THE ANNA C. AND OLIVER C. COLBURN FELLOWSHIP: Stipend of \$11,000 to Ph.D. candidates and recent Ph.D.'s whose field is classical archaeology. Contact the Archaeological Institute of America, Boston, MA. Applications must be completed on web site: www.archaeological.org. DEADLINE: JANUARY 15, 2006.

COTSEN TRAVELING FELLOWSHIP FOR RESEARCH IN GREECE: Short-term travel-to-collection award of \$1,800 for senior scholars and graduate students for projects and research at the Gennadius Library. At least one month of residency required. DEADLINE: JANUARY 15, 2006.

W.D.E. COULSON AND TONI CROSS AEGEAN EXCHANGE PROGRAM: CAORC program of short-term fellowships for Greek nationals, staff of the Ministry of Culture, doctoral candidates and faculty members of Greek institutions of higher education for research in ancient, Byzantine, post-Byzantine, and Ottoman studies as well as studies of modern Greece and Turkey, to pursue research in Turkey under the auspices of the American Research Institute in Turkey. Stipend of \$250 per week plus round-trip airfare. DEADLINE: MARCH 15, 2006.

PAUL REHAK MEMORIAL TRAVELING FELLOWSHIP: Travel grant for graduate students or senior scholars for travel to, or while in, Greece to perform research. One grant of \$1,000 or several smaller grants. DEADLINE: JANUARY 15, 2006.

WIENER LABORATORY FELLOWSHIPS: Four fellowships awarded annually to graduate students or postdoctoral scholars working on well-defined projects in skeletal, faunal, geoarchaeological, or environmental studies. Stipend of \$15,500 to \$25,000. DEADLINE: JANUARY 15, 2006.

WIENER LABORATORY RESEARCH ASSOCIATESHIPS: Funding up to \$5,000 for well-defined research projects at the laboratory. DEADLINES: APRIL 1, SEPTEMBER 1, DECEMBER 1.

WIENER LABORATORY TRAVEL GRANTS FOR ARCHAEOLOGICAL SCIENCE RESEARCH IN GREECE: Travel grants of \$1,500 for graduate students or postdoctoral scholars from North American institutions working on projects in archaeological science in Greece. DEADLINE: JANUARY 15, 2006.

SENIOR FELLOWSHIPS

KRESS PUBLICATION FELLOWSHIPS: Senior (postdoctoral) scholars working on a Corinth or Agora publication assignment with preference given to those working on a Corinth or Agora volume. A total of \$30,000 is available for each grant cycle, defined as the School's fiscal year (July 1-June 30). Grants are for a minimum of three months (up to \$10,000) to a maximum of nine months (up to \$30,000). DEADLINE: JANUARY 15, 2006.

MELLON (EAST AND CENTRAL EUROPEAN) RESEARCH FELLOWSHIPS: Three fellowships for scholars from Bulgaria, the Czech Republic, Estonia, Hungary, Latvia, Lithuania, Poland, Romania, and Slovakia. Any field of classical studies or post-classical studies. DEADLINE: JANUARY 15, 2006.

NEH FELLOWSHIPS: Two to four awards for postdoctoral scholars and professionals in the humanities who are U.S. citizens or foreign nationals who have been U.S. residents for three years immediately preceding application deadline. Applicants must hold their Ph.D. or equivalent terminal degree at the time of application. Terms: Maximum stipend of \$40,000. DEADLINE: NOVEMBER 15, 2005.

SOLOW SUMMER RESEARCH FELLOWSHIPS 2006: Summer research funding is available for senior (postdoctoral) scholars working towards publication of material from sites excavated by, or under the auspices of, the School. Several fellowships are available

with a maximum amount of \$1,500 per month for up to three months. DEADLINE: JANUARY 15, 2006.

The School is open to qualified students and scholars at colleges or universities in the U.S. or Canada unless otherwise noted. The American School of Classical Studies at Athens does not discriminate on the basis of race, age, sex, sexual orientation, color, religion, national or ethnic origin, or disability when considering admission to any form of membership.

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THE AMERICAN CENTER OF ORIENTAL RESEARCH (AMMAN) ANNOUNCEMENT OF FELLOWSHIPS 2006-2007

Deadline for all applications is February 1, 2006

The Kress Fellowship in the Art and Archaeology of Jordan: One or more three- to six-month fellowships for pre-doctoral students completing dissertation research in an art historical topic: art history, archaeology, architectural history, and in some cases classical studies. Applicants must be Ph.D. candidates and U.S. citizens or foreign nationals who have matriculated at U.S. institutions. The maximum award for six months is \$18,500.

ACOR-CAORC Fellowship: Five or more two- to six-month fellowships for MA and pre-doctoral students. Fields of study include all areas of the humanities and the natural and social sciences. Topics should contribute to scholarship in Near Eastern studies. U.S. citizenship required. Maximum award is \$19,400. Subject to funding.

ACOR-CAORC Post-Graduate Fellowship: Three or more two- to six-month fellowships for post-doctoral scholars and scholars with a terminal degree in their field, pursuing research or publication projects in the natural and social sciences, humanities, and associated disciplines relating to the Near East. U.S. citizenship required. Maximum award is \$25,000. Subject to funding.

National Endowment for the Humanities (NEH) Fellowship: One four-month fellowship for scholars who have a Ph.D. or have completed their professional training. Fields of research include: modern and classical languages, linguistics, literature, history, jurisprudence, philosophy, archaeology, comparative religion, ethics, and the history, criticism, and theory of the arts. Social and political scientists are encouraged to apply. Applicants must be U.S. citizens or foreign nationals living in the U.S. three years immediately preceding the application deadline. The maximum award is \$20,000.

The Andrew W. Mellon Foundation East-Central European Research Fellows Program: Two three-month fellowships for scholars who have a Ph.D. or equivalent experience, pursuing research in any field of the humanities or social sciences that relates to the Near East. Applicants must be citizens of Bulgaria, the Czech Republic, Estonia, Hungary, Latvia, Lithuania, Poland, Romania, or Slovakia. The award is \$11,500.

Jennifer C. Groot Fellowship: Two or more awards of \$1,500 each to support beginners in archaeological fieldwork who have been accepted as staff members on archaeological projects with ASOR/CAP affiliation in Jordan. Open to undergraduate and graduate students. U.S. or Canadian citizenship required.

Harrell Family Fellowship: One award of \$1,500 to support a graduate student for participation in an ACOR-approved archaeological research project, which has passed an

academic review process. Senior project staff whose expenses are being borne largely by the project are ineligible. Open to enrolled graduate students of any nationality.

Pierre and Patricia Bikai Fellowship: One or more awards for one or two months of residency at ACOR during the period of June 1, 2006 through May 31, 2007. Open to graduate students of any nationality participating in an archaeological project or a research project in Jordan. The award includes room and board at ACOR and a monthly stipend of \$400. This fellowship may be combined with the Groot or Harrell Fellowships.

James A. Sauer Fellowship: One award of \$650 to a Jordanian graduate student, in Jordan or elsewhere, to advance his or her academic career in the field of archaeology, anthropology, conservation, or related areas. The award might be used for participation on an archaeological project, for research expenses, academic tuition, or travel to scholarly conferences. In the 2006-2007 funding cycle this competition is open only to Jordanian citizens.

CAORC, NEH, Kress, Mellon, and Bikai Fellows will reside at the ACOR facility in Amman while conducting their research.

ACOR: 656 Beacon Street, 5th Floor, Boston, MA 02215 (Tel: 617-353-6571;
Fax: 617-353-6575; Email: acor@bu.edu), or: P.O. Box 2470, Amman, Jordan
(Fax: 011-9626-534-4181). Or visit: <http://www.bu.edu/acor>.

ΑΝΑΚΟΙΝΩΣΕΙΣ - ANNOUNCEMENTS

TEL KABRI EXCAVATIONS

The just-concluded exploratory season of excavations at Tel Kabri, Israel, co-directed by Assaf Yasur-Landau of Tel Aviv University and Eric H. Cline of The George Washington University, have received a bit of press in the past few days. We send below the relevant links, which should all still be active:

<http://www.tau.ac.il/humanities/archaeology/News/kabri.htm>
<http://www.gwu.edu/~newsctr/>
http://my.gwu.edu/mod/news/view.cfm?ANN_ID=17211
<http://www.gwu.edu/%7Enewsctr/photos/kabri/index.html>
<http://home.gwu.edu/~ehcline/Kabri2005Resultsnew.html>

Cheers,

Eric H. Cline and Assaf Yasur-Landau

Eric H. Cline, Ph.D.
Associate Professor of Classics and of Anthropology (Ancient History and Archaeology)
Chair, Department of Classical and Semitic Languages and Literatures
The George Washington University
345 Phillips Hall, 801 22nd St. NW
Washington, D.C. 20052

Tel: (202) 994-0316
Fax: (202) 994-2156
Email: ehcline@gwu.edu
Web Pages: <http://home.gwu.edu/~ehcline>

INTERNET SITES

CENTURIES OF DARKNESS WEBSITE UPDATED

Dear All,

We have continued to update the Centuries of Darkness website. For those interested in chronology the latest update (Aug 26) includes announcements/abstracts of two new papers on Archaic period chronology:

P. James: "The Assyrian, Babylonian and Persian Periods in Palestine (Review Article)", Bulletin of the Anglo-Israel Archaeological Society 22, 47-59.

P. James: "The Date of the Ekron Temple Inscription - a Note", Israel Exploration Journal 55:1, 90-93.

See

<http://www.centuries.co.uk/whatsnew.htm>

Best, Peter James

DIGITAL CLASSICIST PROJECT

Dear all,

You may be interested to know of the Digital Classicist project, which is based in the Centre for Computing in the Humanities at King's College London. This is a collaborative online venture that will be of interest to anyone using computing methods in archaeology. Despite its name, prehistorians are most welcome!

See <http://www.digitalclassicist.org/>

Best wishes,

Stuart D.

Dr. Stuart Dunn
Programme Administrator
AHRC ICT in Arts and Humanities Research Programme
School of Languages and European Studies
University of Reading
Whiteknights
Reading RG6 6AA
UNITED KINGDOM

URL: <http://www.ahrc.ac.uk/ict>
AHRC ICT mailing list: <http://www.jiscmail.ac.uk/ahrcict>

Tel: 0118 378 5064
Fax: 0118 378 8333



UPDATES TO THE ARCHAEOLOGY **@ ABOUT.COM WEBSITE**

Articles:

Tree of Paradise: Roman Jewish Mosaics

<http://archaeology.about.com/od/romanempire/a/mosaics.htm>

An exhibition of Roman mosaics recovered from the 3rd century AD Jewish synagogue at Naro, Tunisia, is planned at the Brooklyn Museum, New York, beginning in late October 2005. The mosaics, showing natural, religious and personal images, exemplify a little-known way of life, that of wealthy Jewish citizens of the late Roman empire in Africa.

Koonalda Cave

<http://archaeology.about.com/od/rockartsites/a/koonalda.htm>

Koonalda Cave is a karst limestone cave in the middle south of the continent of Australia, in the dry and desolate area called the Nullarbor Plain

Archaeology: The Comic (book review)

<http://archaeology.about.com/od/booksforbeginners/fr/loubser.htm?nl=1>

Johannes Loubser's "Archaeology: the Comic" is an introductory archaeology text that uses the graphic novel medium to elucidate many of the trickier technical discussions in archaeology.

Mighty White, Mighty Wrong

http://archaeology.about.com/od/ethics/a/harpers_3.htm?nl=1

Jack Hitt's article in Harper's called Mighty White of You incensed a number of scientists practicing archaeology in the United States. R. Clark Wernecke responds to comments by Alex Chaffee defending Hitt.

Animal Domestication Bibliography

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

As part of an email course I'm working on, I've built a bibliography on archaeological evidence of the history of the domestication of animals, including camels, dogs, sheep, horses, llamas, alpacas, cattle, pigs and reindeer.

Glossary Entries:

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

Numantia (Spain), Deer Lake Beach (Canada), Ras Budran (Egypt), Jaguar Cave (USA), Capelinha (Brazil), Abric Romani (Spain), Minanha (Belize), Regensburg (Germany), Dumpokjauratj (Sweden), Pedra Furada (Brazil), Nazca Lines (Peru), Geoglyphs, Vedbaek (Denmark), Vedic Literature, Garcilaso de la Vega [1539-1616], Vegas (Ecuador), Enlightenment, Dura-Europos (Syria), Usujiri (Japan), Ephesus (Turkey), Epidauros (Greece), Erlitou (China), Ertebolle-Ellerbeck culture, Ethnoarchaeology, Etiolles (France)

Quizzes:

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

Rock Art <http://archaeology.about.com/library/games/blrockart.htm>

Guide to Graduate Schools

<http://archaeology.about.com/od/guidetograduateschools/index.htm>

East Carolina University, Cardiff University, University of Capetown

CRM Firms (being the start of a long-needed upgrade to the Contacts page)

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

TRC Garrow, Inc; Cultural Resources, Inc.; Dovetail Cultural Resource Group; EMH&T, Inc; Iowa Office of the State Archaeologist; Markman Archaeology and History, Inc.; Prewitt and Associates, Inc.; Public Archaeology Laboratory, Inc

Feel free to spread it around, and thanks for reading!

K. Kris Hirst

Guide for Archaeology @ About.com

archaeology.guide@about.com &

<http://www.wasteflake.com>

Quote of the Week: I sort of thought I wanted to be an anthropologist. But my father suggested I go to a cocktail party full of anthropologists first. I did. He's a very wise man.
- [American actress] Tea Leoni

More quotes at: <http://archaeology.about.com/od/quotations/>



ÇATALHÖYÜK AT THE ARCHAEOLOGY CHANNEL

Friends and colleagues:

The development of farming communities was a critical turning point in human cultural evolution. Among the earliest and most dramatic examples of such communities is Çatalhöyük, the subject of the latest video feature, *çatalhöyük*, on our nonprofit streaming-media Web site, The Archaeology Channel (<http://www.archaeologychannel.org>).

First excavated in the 1960s by British archaeologist James Mellaart, the Turkish Neolithic site of Çatalhöyük was reopened by an international team led by Ian Hodder for an ambitious 25-year project beginning in 1993. One of the world's largest settlements 9000 years ago, this town housed 10,000 farmers at a time when most people on Earth were hunter-gatherers. The site is famous for its sculptures and wall paintings, residential mud-brick architecture, burials beneath house floors, bull heads plastered in house walls, and mother goddess figurines.

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>

EVOLUTION DU SITE EGYPT.EDU

Bonjour,

Nous prenons la liberté de vous contacter pour vous parler d'egypt.edu (<http://www.egypt.edu>) et des publications auxquelles l'équipe a participé: si vous souhaitez ne plus figurer sur cette liste, merci de nous le faire savoir à l'adresse suppression@egypt.edu.

Vous trouverez les mises à jour les plus récentes du site à la page: <http://www.egypt.edu/nouveau/nouveau.htm>

En plus de ces pages récentes, vous trouverez sur egypt.edu bien d'autres choses que nous vous incitons à découvrir.

L'équipe d'egypt.edu participe activement aux activités de Soleb - <http://www.soleb.com>, maison d'édition créée en 2004 et qui a déjà édité de plusieurs ouvrages. Nous souhaitons vous présenter plus particulièrement trois de ces ouvrages, publiés dans la collection « Études d'égyptologie », dirigée par Nicolas Grimal, professeur au Collège de France - <http://www.egyptologues.net/nouveau.htm> :

1.- « Le Sacrifice humain, en Égypte et ailleurs » regroupe des textes réunis par Jean-Pierre Albert et Béatrix Midant-Reynes: <http://www.egypt.edu/actualite/lecture/sacrifice/sacrifice01.htm>

Ce volume broché, d'un format de format 18 x 23 cm, comporte 288 pages et 38 illustrations et photographies. Il est imprimé en « noir et blanc » sur papier couché demi-mat 110 g et est proposé au prix public 54 euros franco de port. Le sommaire et l'introduction peuvent être téléchargés à l'adresse: <http://www.soleb.com/livres/sacrifice.htm>

Ce livre sera présenté au colloque « L'Égypte pré et protodynastique », organisé par Béatrix Midant-Reynes et qui aura lieu à Toulouse, du 5 au 8 septembre prochains: <http://www.egypt.edu/actualite/2005/050902/2septembre01.htm>

2.- « Du Sahara au Nil, peintures et gravures d'avant les pharaons », de Jean-Loïc Le Quellec et de Pauline et Philippe de Flers, coédité par la Librairie Arthème-Fayard: <http://www.egypt.edu/actualite/lecture/sahara/sahara01.htm>

Ce livre se présente sous la forme de quatre chapitres principaux - Des oasis au désert; Djebel el-Uweynât : une île de pierre dans un océan de sable; Le plateau du Gilf Kebîr, refuge du gibier, paradis des chasseurs; Le Ouadi Sora, joyau du Sahara oriental -, enrichis par de nombreux « encadrés » développant des points précis.

Ces chapitres sont précédés par une introduction présentant le Sahara oriental et l'art rupestre et suivis par un essai d'interprétation - mettant en perspective cette civilisation et celle qui c'est ensuite développée le long de la vallée du Nil. Ils sont également complétés par une présentation détaillée de la chronologie et de la culture du Sahara oriental, par une « encyclopédie animale », par une bibliographie et par des annexes.

Ce livre présente en détail les nombreux abris ornés du Sahara oriental, dont les très belles et méconnues « grotte des Bêtes » et « grotte des Archers » du Ouadi Sora. Les représentations des « nageurs » et des « Bêtes » peuvent être mises en parallèle avec des passages - souvent considérés comme obscurs - du « livre des Cavernes », auxquels ils apportent un nouvel éclairage.

Cet important volume est relié pleine toile brillanta avec frappe en dorure, sous jaquette en quadrichromie pelliculée, dos rond et tranchefiles. Au format 27,5 x 35,5 cm, il comporte 384 pages et plus 900 photographies, cartes et schémas. Il est imprimé en couleur sur papier couché demi-mat 150 g. Il paraîtra à automne 2005: prix public 100 euros ; prix de souscription 80 euros franco de port:

<http://www.soleb.com/livres/sahara.htm>

3.- « Le Châle de Sabine, chef-d'œuvre de l'art copte », de Marie-Hélène Rutschowskaya, conservatrice générale au département des Antiquités égyptiennes du musée du Louvre:

<http://www.egypt.edu/actualite/lecture/chaledesabine/chaledesabine.htm>

Ce volume broché, d'un format de format 18 x 23 cm, comporte 128 pages et 64 photographies et illustrations. Il est imprimé en couleur et est proposé au prix public 39 euros franco de port: <http://www.soleb.com/livres/sabine.htm>

L'institut supérieur d'égyptologie Khéops rappelle que le programme 2005-2006 est disponible en ligne: <http://www.egypt.edu/kheops/choix.htm>.

Il présente l'ensemble des stages, cours et conférences de la nouvelle session qui débutera la semaine du 26 septembre 2005.

Les participants qui hésitent encore à s'inscrire à certains cours sont invités à venir assister à une « première séance » sans engagement de leur part. Les frais de participation à cette séance (12 euros) seront déduits en cas d'inscription définitive.

Contactez le secrétariat de Khéops au 01 44 24 87 90 ou par courrier électronique: kheops@egypt.edu.

« egyptologues.net » : ce site, conçu et animé par Nicolas Grimal, titulaire de la chaire « Civilisation pharaonique : archéologie, philologie et histoire » du Collège de France, se veut un outil de travail offrant aux chercheurs de nombreux instruments pratiques. L'équipe d'egypt.edu a le plaisir de contribuer à la réalisation et à l'animation de ce site :

<http://www.egyptologues.net/nouveau.htm>

Informations :

Si vous souhaitez publier sur egypt.edu des informations ou nous faire part de vos remarques, de vos critiques et de vos demandes n'hésitez pas à nous contacter. aminata.sackho-autissier@egypt.edu ou olivier.cabon@egypt.edu

Si ce site vous a plu, nous vous remercions de le faire connaître autour de vous.

Aminata Sackho-Autissier et Olivier Cabon

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téléphone et répondeur : 33 (0)1 43 37 56 58



ΝΕΕΣ ΕΚΔΟΣΕΙΣ – NEW PUBLICATIONS

Η Ιστορία του Σιδήρου από τον Όμηρο στον Ξενοφώντα

**Τα σιδερένια ευρήματα και η αρχαία ελληνική γραμματεία με το μάτι
ενός μεταλλουργού**

Γιώργου Βαρουφάκη

Το βιβλίο του ερευνητή της αρχαίας ελληνικής τεχνολογίας Γιώργου Βαρουφάκη, αναφέρεται στο σίδηρο και στο ρόλο που έπαιξε στο ρυθμό ανέλιξης του πολιτισμού μας στην αρχαιότητα και όχι μόνον. Κι αυτό, γιατί ο σίδηρος είναι, όπως αναφέρει, το μοναδικό μέταλλο, που έχει τη μαγική ιδιότητα να ενώνεται με τον άνθρακα, και να σχηματίζει ένα σκληρό κράμα, τον χάλυβα. Το κράμα αυτό σκληραίνει ακόμα περισσότερο με τη θερμική κατεργασία της βαφής, που δε θυμίζει καθόλου τον αρχικό μαλακό σίδηρο. Η χρήση του παίρνει τέτοιες διαστάσεις τον 8^ο αιώνα π.Χ., που προκαλεί μεγάλη κοινωνική αναστάτωση. Τρομάζει ακόμη και έναν Ησίοδο σε βαθμό, που να εύχεται να μην είχε γεννηθεί την εποχή εκείνη ή να είχε γεννηθεί αργότερα, γιατί, όπως λέγει στο έργο του «Έργα και Ημέραι», αυτή «είναι η εποχή του μαύρου σιδήρου». Και δεν είχε άδικο, όταν αναλογισθούμε ότι στην εποχή του χαλκού η ιστορία γράφεται σε χιλιετίες, ενώ τώρα με τον χάλυβα έχουμε σημαντικές αλλαγές ανά δύο αιώνες. Την γεωμετρική διαδέχονται η αρχαϊκή, η κλασική, η ελληνιστική και αμέσως μετά η ρωμαϊκή εποχή. Δηλαδή, μέσα σε οκτώ αιώνες έχουμε τόσες αλλαγές. Η ταχεία όμως αυτή ανάπτυξη προκαλεί κοινωνικές αναστατώσεις, πολέμους, μετακινήσεις πληθυσμών και επαναστάσεις. Κι αυτό είναι εκείνο, που φοβίζει τον ευαίσθητο Ησίοδο.

Τα ίδια συμβαίνουν τον 19^ο και 20^ο αιώνα, όταν ανακαλύπτονται νέες επαναστατικές μέθοδοι παραγωγής χάλυβα, που τον καθιστούν μια φθηνή πρώτη ύλη για πολλές κατασκευές. Ο ρυθμός ανέλιξης είναι τώρα τόσο ταχύς, που ο άνθρωπος μέσα σε πολύ μικρό χρονικό διάστημα, κατορθώνει να πατήσει στο φεγγάρι και να αρχίσει την κατάκτηση του σύμπαντος, που συνεχίζεται και σήμερα. Η ανθρωπότητα όμως πληρώνει ένα μεγάλο και ακριβό τίμημα. Προκαλούνται πόλεμοι, επαναστάσεις, κακοποιήσεις του περιβάλλοντος, της ποιότητας ζωής, που δυστυχώς συνεχίζονται και σήμερα ανεξέλεγκτα, χωρίς ελπίδα, χωρίς φως για το μέλλον. Μήπως κάτι παρόμοιο δεν είχε αναστατώσει και τον ευαίσθητο Ησίοδο; Ο Όμηρος πάλιν έχει επηρεασθεί τόσο πολύ από το νέο αυτό επαναστατικό μέταλλο, που το αναφέρει σε πολλές περιπτώσεις στα έπη του, ενώ αυτά ανάγονται στην εποχή του χαλκού.

Τα κείμενα, τώρα, του βιβλίου στηρίζονται στις ερευνητικές εργασίες του συγγραφέα γύρω από σιδερένια και χαλύβδινα ευρήματα των προϊστορικών και ιστορικών χρόνων, καθώς και στη μελέτη της αρχαίας ελληνικής γραμματείας και ιδιαίτερα στα έπη του Ομήρου, την Ιστορία του Ηροδότου, του Θουκυδίδη και του Ξενοφώντα. Στόχος του συγγραφέα όμως δεν είναι μόνον ο σίδηρος και οι επιπτώσεις από τη χρήση του. Σκόπιμα, όπως ήδη αναφέρθηκε παραπάνω, αφήνεται να παρασυρθεί, για να περιγράψει την ομορφιά των αρχαίων κειμένων και τις ανεπανάληπτες στιγμές των ηρώων του

Ομήρου στην Ιλιάδα και Οδύσσεια. Μελετώντας τα έπη του, ο συγγραφέας διαπιστώνει, ότι ο μεγάλος μας ποιητής είναι και ένας ευαίσθητος οικολόγος και σε αρκετές περιπτώσεις εκφράζει την αγανάκτηση του για τις μεγάλες καταστροφές, που προκαλεί ο πόλεμος της Τροίας στο περιβάλλον. Είναι, για παράδειγμα συγκλονιστική η εικόνα, που μας δίνει ο Όμηρος για την καταστροφή, που προκαλεί ο Αχιλλέας στον Σκάμανδρο, το ωραίο αυτό ποτάμι της Τροίας, όταν, θέλοντας να εκδικηθεί τους Τρωαδίτες για τον θάνατο του αγαπημένου του φίλου, του Πάτροκλου, σφάζει όποιον από αυτούς βρίσκει μπροστά του, έξω και μέσα στο ποτάμι. Το βαθύ και ορμητικό ποτάμι μαυρίζει από το αίμα των σκοτωμένων Τρωαδιδών και ο Όμηρος θεωρεί το γεγονός αυτό μια απαράδεκτη οικολογική καταστροφή, μια προσβολή στα θεία, αφού οι αρχαίοι πίστευαν ότι κάθε ποτάμι ήταν και μια θεότητα και μάλιστα ο Σκάμανδρος ήταν γιος του Δία. Το ποτάμι, λοιπόν, οργίζεται, αγανακτεί για την καταστροφή που του προκαλεί ο Αχιλλέας και ορμάει καταπάνω του γεμάτος δίνες για να τον πνίξει. Ο Αχιλλέας βρίσκεται σε απόγνωση και καλεί τον Δία να τον σώσει, φωνάζοντας «καλύτερα να με σκότωνε ο Έκτορας. Ένας γενναίος θα σκότωνε γενναίο (...) παρά να βρω οικτρό θάνατο μέσα στα μαύρα νερά του άγριου ποταμού...» Τελικά, η Ήρα τον σώζει με τη βοήθεια του Ήφαιστου.

Δεν είναι, όμως μόνον ο Όμηρος ευαίσθητος για το περιβάλλον. Είναι και ο Ηρόδοτος. Στην ιστορία του μας κάνει λόγο για τον σεβασμό των ποταμών από τους Πέρσες και τους αυστηρούς κανονισμούς που επέβαλλαν για την προστασία τους. Ο ίδιος μας δίνει και μια άλλη σπουδαία πληροφορία σχετικά με την αποστείρωση του ποταμίσκου νερού. Φαίνεται περίεργο, κι όμως είναι αληθινό. Ναι, οι Πέρσες αποστέρωναν το νερό που χρησιμοποιούσαν με βρασμό και αυτό είναι πολύ σημαντικό, όταν κανείς αναλογισθεί, ότι οι άνθρωποι τότε δεν γνώριζαν τίποτα για την ύπαρξη των μικροβίων.

Τέλος, ο συγγραφέας ομολογεί ότι, το ενδιαφέρον του δεν περιορίζεται, όπως ήδη έχει αναφερθεί, μόνο στον σίδηρο και τη διαμόρφωσή του σε όπλα, εργαλεία και σε κατασκευές, όπως για παράδειγμα, είναι οι σύνδεσμοι των ναών της Ακρόπολης, που ο ίδιος μελέτησε και εκθέτει στο βιβλίο του. Στόχος του ήταν επίσης, να προκαλέσει ερεθίσματα στον αναγνώστη του, για να τον συγκινήσει και να τον παρακινήσει να πλησιάσει και αυτός την αρχαία ελληνική γραμματεία, για να γευτεί, όπως ο ίδιος, την ομορφιά της. Κάτι που όλοι μας στερηθήκαμε στα μαθητικά μας χρόνια.

TALANTA 34/35 JUST APPEARED

Dear colleagues,

I thought I would pass this TOC scan along, as I myself had nearly begun thinking that Talanta had ceased to appear.

kind regards,

A. K. Eyma

Talanta (Proceedings of the Dutch Archaeological and Historical Society)
volumes XXXIV-XXXV (2002-2003)
ISBN 90-72067-12-6

Table of Contents:

Waanders, F.M.J. (The Netherlands), In memoriam C. J. Ruijgh p. 7

Kelder, Jorrit (The Netherlands), The use and appreciation of Mycenaean Pottery in New Kingdom Egypt p. 9

Stronk, Jan P. (The Netherlands), The Trojan Horse: The Present Debates on Troy and the Art of Fundraising p. 19

Woudhuizen, Fred C. (The Netherlands), Etruscan Origins p. 55

Kunze, Claudia (Germany), The Tomb of Yadamelek: A new approach to its architecture, burial rite and grave goods p. 71

Docter, Roald F. (Belgium), The Topography of Archaic Carthage: Preliminary results of recent excavations and some prospects p. 113

Meyer, Marion (Österreich), Dickbauchtänzer in Korinth und Athen p. 135

Lazarov, Luchevar (Bulgaria), A Mesambrian coin of Geta p. 181

Wright, G.R.H. (France), The Marriage made in Hell p. 183

Book Reviews

D. Hertel, Die Mauern van Troia. Mythos und Geschichte im antiken Ilion (Jan P. Stronk) 191

Michel Kazanski & Vanessa Soupault (eds.), Les sites archéologiques en Crimée et au Caucase durant l'Antiquité tardive et le haut Moyen-Age (J.G. de Boer) 195

S.L. Solovyov, Ancient Berezan. The Architecture, History and Culture of the First Greek Colony in the Northern Black Sea (Vladimir Stissi) 197

N. Theodossiev, North-Western Thrace from the Fifth to First Centuries BC (Jan P. Stronk) 201

M. Y. Treister, Hammering Techniques in Greek and Roman Jewellery and Toreutics (Kathy Sas) 204

The Society also recently published:

Winfried Achterberg et al.. The Phaistos Disc: A Luwian Letter to Nestor. Publications of the Henri Frankfort Foundation vol. 13, 2004 ISBN 90-72067-11-8

The Alverna Research Group has a go at the disc based on the earlier work of Jan Best and Fred Woudhuizen. In Appendix III, the Disc of Vladikavkaz is looked at (the authors make no judgement about its authenticity, just signal differences with the Phaistos Disc).

EΙΔΗΣΕΙΣ - NEWS RELEASE

**PREHISTORIC CASTING CENTRE
FOUND IN VIETNAM**

Excavations in Vinh Phuc Province (Vietnam) have revealed a 3,500-year-old bronze casting centre of Dong Son. The recent excavations of the Thanh Den site in Cu An Hamlet, conducted by the University of Social Sciences and Humanities, have revealed a large volume of findings belonging to the early and late stages of development of the Dong Dau Culture. The findings have also helped to affirm the existence of the greatest centre of non-ferrous alloy production in Viet Nam. Within a 100 sq.m area, 108 bronze artefacts were unearthed. Thousands of pointed axes, spears, arrows, hooks, pieces of copper wire and many pieces of earthenware were also discovered. Other findings made of stone and ceramics were much scarcer in comparison with bronze items. The findings show that about 3,500 years ago, bronze instruments played an important role and appeared to replace similar items made of stone.

The vestiges of the inhabitants of the stage of the Dong Son Culture have been discovered through the stratum structure. In addition to bronze items, there are some traces of rattan ware, and woven items. Archaeologist Bui Van Liem, PhD, of the Viet Nam Institute of Archaeology, has also discovered two ancient graves in which bones were lying on a rectangular foundation of well-trodden earth, similar to a coffin in the primeval period. The remains were placed lying supine with hands and legs stretched out. The foundation of the graves were strewn with yellow earth and stone and ceramic items were interred within.

All these findings may help us to figure out the face of an ancient village of that age. Inhabitants resided for some time in the area and lived mainly on cultivating rice. In addition to farming, they may have been skilful in many other trades.

Recently, the Vinh Phuc Department of Culture and Information and the Viet Nam Institute of Archaeology finished the project entitled "Overall Planning of the Dong Dau Site until 2020" with its key task to preserve Thanh Den as a national site and make it an important tourist centre.

Source: Vietnam News Agency (14 August 2005)

<http://vietnamnews.vnagency.com.vn/showarticle.php?num=04SUN140805>

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

MORE GOLD FROM BULGARIA - 15000 GOLD ORNAMENTS

Dear colleagues,

"Archeologists working a dig in central Bulgaria have unearthed some 15,000 miniature rings and other gold ornaments that date to the end of the third millennium BC - a find they say matches the famous treasure of Troy, scholars announced Wednesday."

Source: <http://www.canada.com/news/world/story.html?id=6632ba63-2ec9-4f83-938e-32857505c2db>

Best wishes,

Bjarte Kaldhol
