INSTITUTE OF ARCHAEOLOGY OF CARDINAL STEFAN WYSZYNSKI UNIVERSITY IN WARSAW
INSTITUTE OF MEDITERRANEAN AND ORIENTAL CULTURES, POLISH ACADEMY OF SCIENCES
CZECH INSTITUTE OF EGYPTOLOGY, CHARLES UNIVERSITY IN PRAGUE
FACULTY OF GEOLOGY, UNIVERSITY OF WARSAW

Invitation to participate in the
Second Geoarchaeological Conference in Warsaw

Memphite necropolis (Egypt) in the light of geoarchaeological and environmental research

under scientific patronage

Committee on Quaternary Research of the Polish Academy of Science
Scientific Society of Polish Archaeologists: Geoarcheological section

The Conference will held in the Institute of Archaeology
Cardinal Stefan Wyszynski University in Warsaw,
7-8 December 2012

(Building 23, Lecture hall no. 107, Wóycickiego Street 1/3)
A specialist field in archaeology, geoarcheology is specifically concerned with reconstructing ancient natural environments which man lived in and actively modified. This dynamically developing science draws upon the combined input of other fields, like geology, geomorphology, sedimentology, climatology, pedology and others in building up its research apparatus.

The current conference, which is the second in a series, has been designed to highlight the results of interdisciplinary geoarchaeological research by specialists from a broad field of disciplines in the humanities and natural sciences. The organizers’ objective is to work towards building a platform for meaningful exchange of information and experience among archaeologists, geologists, sedimentologists, geographers, climatologists, pedologists and researchers from related fields. Meetings in this forum and cooperation between different specialists will hopefully lead to new research projects and initiatives, contributing to broaden knowledge of man’s interactions with the natural environment.

This year’s conference will lay special emphasis on the presentation of issues connected with climatic and environmental conditions recorded in natural and anthropogenic deposits investigated on memphite necropolis area, including such archeological sites as: Abu Rawash, Giza, Abusir, west and central Saqqara, south Saqqara, Dahshur, Medum and especially Memphis (Mit Rahina). The special conference session will be also dedicated to other kind of geoarchaeological and geophysical research carried out on memphite necropolis.
The universal importance of peleoclimatic and paleoecological research stems from its role in facilitating understanding of mechanism of late mid Holocene climatic change in north–east Africa.

Submitted papers can present field and laboratory research focusing on the conference theme, carried out with a broad range of methodologies, including geomorphological, sedimentological, mineralogical, pedological, paleobotanic and other analyses. They should contribute importantly to research on climate and paleoecological conditions in the past or articulate clearly man’s interaction with the environment around him. Participation of specialists actively involved in interdisciplinary archaeological projects is particularly encouraged.

PROGRAMME

First day

7.12. 2012

10.00

Opening of the conference by:
FABIAN WELC, MIROSŁAW BARTA AND JERZY TRZCINSKI

KAROL MYŚLIWIEC
introduction paper

SHILD ROMUALD
Early and Middle Holocene Paleoclimates in the South Western Desert of Egypt. The World Before Unification

ROSEMARIE KLEMM, DIETRICH KLEMM
Geomorphological dependency of the Old Kingdom artificial pyramid harbors

Brake: coffee bar

KARIN SOWADA
Evidence for late third millennium weather events from an Old Kingdom tomb in the Teti Cemetery at Saqqara (poster)

JUDITH BUNBURY
Geomorphological development of the Memphite floodplain over the past 6,000 years
PEDRO MANUEL LOURENÇO GONÇALVES  
*From the Old Kingdom to the Middle Kingdom – Understanding Memphis landscapes using borehole sampling data*

Lunch: 13.30 – 14.30

NICOLE ALEXANIAN, WIEBKE BEBERMEIER, DIRK BLASCHTA, ARNE RAMISCH  
*Geoarchaeological Research at the Necropolis of Dahshur*

FABIAN WELC, JERZY TRZCIŃSKI  
*Geoarchaeological studies of the polish – egyptian mission in West Saqqara*

MIROSŁAW BARTA  
*Long-term or short-term? The nature of the climate depredation towards the end of the Old Kingdom (4,2 ky BCE)*

LESZEK MARKS, FABIAN WELC  
*4,2 ky BP global abrupt climatic change (Bond 3. climatic event) – new evidence from Saqqara*

BARBARA WORONKO  
*Climate change in North Africa in the last 3000 years recorded in sediments at archaeological site Marea*

Discussion: 17.00

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Second day


10.00

CAMPBELL PRICE  
*Recent Results of the Saqqara Geophysical Survey Project*

SEBASTIAN KOWALCZUK, FABIAN WELC, JERZY TRZCIŃSKI, MIĘSZKOWSKI RADOSŁAW  
*Geophysical researches (Ground Penetrating Radar) on the Polish archeological concession in West Saqqara*

TOMASZ HERBICH  
*From Saqaara to Berenike, some aspect of geophysic surveying in Egypt*

Brake: coffee bar

AGNESE KUKELA, VALDIS SEGFLINS  
*Non-destructive methods for evaluation of the state of preservation in historical stone monuments: the case study of the Step Pyramid*
**Paul T. Nicholson**
*Going to the dogs: New work at the Catacombs of Anubis, Saqqara*

**Radoska Malgorzata**
*Saqqara: Some Remarks on Flora from the Funerary Context*

**Lunch: 13.30 – 14.30**

**Rosemarie Klemm, Dietrich Klemm**
*Dependency of the Old Kingdom pyramids building stones on the regional geology*

**Welc Fabian**
*Anatomy of the Third Dynasty quarry in West Saqqara*

**Kobusiewicz Michal, Bobrowski Przemyslaw, Jórdczka Maciej, Chodnicki Marek**
*What forced the prehistoric cattle-keepers to emigrate from the Red Sea Mountains, closing paper*

**Summary discussion and closing of the conference: 17.00**

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**Organization Committee**

**Dr. Fabian Welc**, Institute of Archaeology, Cardinal Stefan Wyszynski University in Warsaw, Faculty of Geology of University of Warsaw - committee chairman

**Porf. M. Barta, dr. Lisa Lenka**, Institute of Geology Academy of Sciences of the Czech Republic

**Dr. Jerzy Trzciński**, Faculty of Geology of University of Warsaw

**Aneta Łabądź**, Institute of Archaeology, Cardinal Stefan Wyszynski University in Warsaw

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**Scientific Committee**

**Prof. Karol Myśliwiec**, Institute of Mediterranean and Oriental Cultures, Polish Academy of Sciences - committee chairman

**Prof. Miroslav Bárta**, Czech Institute of Egyptology

**Prof. Zbigniew Kobyliński**, Institute of Archaeology, Cardinal Stefan Wyszynski University in Warsaw
Prof. Leszek Marks, Department Climatic Geology, Faculty of Geology, University of Warsaw
Dr. P. T. Nicholson, Cardiff School of History and Archaeology, Cardiff University
Dr. Judith Bunbury, Department of Earth Sciences, University of Cambridge

SCIENTIFIC PATRONAGE

Committee on Quaternary Research of the Polish Academy of Science
Scientific Society of Polish Archaeologists: Geoarchaeological section

CONFERENCE LANGUAGES

Papers and be presented only in English.
For additional information please contact Dr. Fabian Welc: tel. 0048 655229248, f.welc@uksw.edu.pl

CONFERENCE LOCALIZATION

Cardinal Stefan Wyszynski University in Warsaw (UKSW), Młociny Campus, Lecture Hall no. 207
Wóycickiego street 1/3, Warsaw
Plan of Mlociny Camps