



Recent Work in Archaeological Geophysics

The Geological Society

Burlington House, London

15th December 2010

Lecture Programme:

- 0915-1000 **Registration and Coffee**
- 1000-1005 Introduction
- 1005-1020 *The Discovery of the Rosnaree Enclosure, County Meath, Ireland: Implications for the Continuing Evaluation of the Archaeological Potential of the Brú Na Bóinne World Heritage Site.* K Barton and C Brady.
- 1025-1040 *Bronze Age Settlements and New Discovered Ring Ditches of the Maykop Culture in the North-Caucasus (Russia).* J Fassbinder, S Reinhold and A Belinskiy.
- 1045-1100 *A Reassessment of the Utility of the Geonics EM38 Together with Suggested Methodologies for its Application in Archaeological Investigations.* P Cheetham.
- 1105-1120 *New Approaches to Improve Magnetic Prospection: Applications on Archaeological Sites in Provence.* Y Quesnel, A Jrad, H Boukbida, P Rochette, P-E Mathé, J Gattacceca, J-C Parisot, D Hermitte, S Khatib and F Mocci.
- 1125-1155 **Coffee**
- 1155-1210 *Longhouses, Field Boundaries and Rocky Outcrops: Modelling of Geophysical Data Sets Affected by Geological Outcrops in the Shetland Island for Past Land Use.* R Legg, J M Bond, C Gaffney and C P Heron.
- 1215-1230 *Adaptation of Aero-Magnetic Interpretation Techniques for Archaeo-Magnetic Purposes.* S Cheyney, I Hill, N Linford, S Fishwick and C Leech.
- 1235-1250 *Data Presentation And Interpretation.* J Lyall.
- 1255-1300 Morning closing remarks
- 1300-1430 **Lunch (available locally)**

- 1430-1445 *Recent Works in G.P.R. Applied to Cultural Heritage.* P M Barone, E Pettinelli, S E Lauro and E Mattei.
- 1450-1505 *Reflections from Westminster Abbey.* E Utsi.
- 1510-1525 *What Shielding? How to Pick Up Signals with a GPR Antenna.* A Schmidt.
- 1530-1600 **Tea**
- 1600-1615 *The Ludwig Boltzmann Institute for Archaeological Prospection & Virtual Archaeology - A New Perspective for Landscape Archaeology: Research Programme and First Results From Large-Scale, High-Resolution Archaeological Prospection.* I Trinks, A Hinterleitner, E Nau, T Zitz, K Löcker, M Gabler, W Neubauer, M Doneus, N Doneus, M Kucera, C Briese and D Scherzer.
- 1620-1635 *Methodological and Archaeological Challenges in the First Season of the Stonehenge Hidden Landscapes Project.* C Gaffney, V Gaffney and W Neubauer.
- 1640-1655 *Towards Reconstructing an Ancient City: Case Study of Pelusium, Northern Sinai, Egypt.* T Herbich.
- 1700-1715 *Early Urbanism in Europe? Geophysical Survey at Nebelivka, Ukraine.* Duncan Hale, J Chapman, N Swann, M Videiko and R Villis.
- 1720-1730 Conclusion
- 1730-1930 **Wine reception in Lower Library**
- 1730-1830 Separate event: ISAP AGM

Posters (09:30-19:30 in the Lower Library):

East Park, Sedgefield, County Durham - Geophysical Survey of a Roman Civilian Settlement. D Hale, N Swann and R Villis.

Mapping Pleistocene Landscape Features Using Archaeological Geophysics. A Butler, J Walford.

Geophysics in Your Back Garden: From Rural Retreats to Royal Palaces 18 Years of 'Geophys' On Time Team. GSB Prospection.

'It Never Rains But It Pours' Earth Resistance Seasonality Testing in Bradford. A Parkyn.

The Interface of Geophysical and Geochemical Survey: Towards an Understanding of Geophysical Data Quality in Challenging Archaeological Sites. C Cuenca-Garcia.

Enhancing Magnetic Survey Interpretation of Roman Cities: Geophysical Data Combination and Archaeological Feedback on Ammaia. J Verhegge, A Schmidt, C Gaffney, F Vermeulen and L Verdonck.

Detecting Mass Graves on Historic Battlefields. P Masters, C Enright.

3D GPR-Survey in the Roman Town of Baalbek. R Linck, J Fassbinder and M van Ess.

Neolithic - Early Iron Age Sites at Serteya, North-West Russia: Archaeological Survey, Magnetometry And Susceptibility Prospecting. D Yu Hookk, A N. Mazurkevich and J Fassbinder.

A Ground Penetrating Radar Survey at Thorpe Waterville Castle, Northamptonshire. T Dennis, S Parry, M de Bootman and J Fulcher.

Towards an Integrated, Multi-Method Remote Sensing Strategy for Archaeological Landscape Analysis: The Discovery of the Rosnaree Enclosure, Brú Na Bóinne World Heritage Site, County Meath, Ireland. K Barton, C Brady.

Identifying The Wessex Culture - A Geophysical Analysis of the Cladon Aggrandised Barrow. P Cheetham.

Preliminary Geophysical Survey Results From Songo Mnara, Tanzania. K Welham and H Manley.

Large Scale Geophysical Survey at the Roman Legionary Fortress of Inchtuthil, Perth & Kinross, Scotland. P Morris, D J Woolliscroft and B Hoffmann.

Archaeomagnetic Prospecting for an Ancient Roman-Byzantine Church Site at Yasilah (Pella) in Northern Jordan. K Fahmi and A Qazaq.

Archaeological Geophysical Prospection in Peatland Environments: Case Studies and Suggestions for Future Practice. K Armstrong, T Darvill and P Cheetham.

Beyond Venus; the Geophysical Survey of Links of Notland, Westray, Orkney. A Kattenberg, J Kainz.

Reconstructing the Ring of Brodgar – Using Earth Resistance, ERT and GPR to Locate Further Monoliths. I Wilkins, M Saunders and A Brend.

Recent Geophysical Survey at the Site of Çatalhöyük, Turkey. J Ogden, I Hodder and K Strutt.

Man and Machine: Progress in Geophysical Data Acquisition and Handling. M Roseveare and A Roseveare.

The DART Project: A Major New Investigation Into What Lies Beneath Our Soils. A. Beck, A Cohn, C Gaffney, N Metje, C Neylon, A Schmidt, M Steven, K Wilkinson, D Boddice, R Fry, L Pring and D Stott.

A Geophysical Survey over a Norwegian Iron Age Settlement Site. A A Stamnes.

Roman Dalswinton in South West Scotland: A Comparison of Single and Sixteen Sensor Magnetic Surveys. R Jones, R Jones, B Hanson and O O'Grady.

Commercial Exhibitors:

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