Archaeology International
EDITED BY DAVID R. HARRIS

Contents
Introducing Archaeology International
DAVID R. HARRIS
2
Sixty years on: the Institute of Archaeology, 1937–97
DAVID R. HARRIS
3
The Institute of Archaeology in the late 1990s
PETER UCKO
6
World distribution of current field projects
7
Boxgrove: Palaeolithic hunters by the seashore
MARK B. ROBERTS
8
Late Bronze Age waterlogged remains at Willingdon Levels, Sussex
CHRISTOPHER GREATOREX
14
Bignor Roman Villa and the Institute of Archaeology
DAVID RUDLING
16
Sa Cova d'es Carritx: a new prehistoric cult cave on Menorca
RUTH WHITEHOUSE
20
Excavating the Spartans
JOHN WILKES
23
Jeitun and the transition to agriculture in Central Asia
DAVID R. HARRIS
28
A Central Asian city on the Silk Road: ancient and medieval Merv
GEORGINA HERRMANN
32
Dilmun revisited: excavations at Saar, Bahrain
HARRIET CRAWFORD
37
More forgotten Tells of Mali: an archaeologist’s journey from here to Timbuktu
KEVIN C. MACDONALD
40
Prehistoric settlements in the Caribbean
PETER L. DREWETT & JOSÉ R. OLIVER
43
Salt damage in porous materials: a threat to the cultural heritage
CLIFFORD PRICE
47
Corrosion inhibitor testing in archaeological conservation
ROBERT B. FALTERMEIER
49
The One-Day Student Conference
FIONA HAUGHEY
51
Papers from the Institute of Archaeology
GWYN DAVIES
52
Academic staff, visiting scholars and honorary members of the Institute, 1997–98
55
Registered research students, 1997–98
58
PhDs awarded, 1988–97
60
Recent major donations to the Institute of Archaeology
63
Institute of Archaeology Publications
64

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Front cover illustrations
Upper: the ruins of two medieval houses – the Great and Little Kiz Kales – at Merv, Turkmenistan, with the restored mausoleum of Sultan Sanjar in the distance at right (Michael Halliwell, Institute of Archaeology, UCL).
Lower left: a Middle Palaeolithic handaxe from the 500,000-year-old site of Boxgrove, West Sussex, England (the Boxgrove Project).
Lower right: the figure of a medieval king from the west front of Wells Cathedral, Somerset, England (Jerry Sampson, Caroe & Partners, Wells).

Other photographs
Most of the photographs reproduced in this issue of Archaeology International were taken by the authors of the articles or by their academic colleagues involved in the projects described. The sources of other photographs are individually acknowledged below.

Page
3: Figure 1 University College London Library (photographer not recorded)
4: Figure 2 Stuart Laidlaw, Institute of Archaeology, UCL
17: Figure 3 Trustees of the Bignor Roman Villa, Sussex
22: Figure 5 Sandra Bond, Institute of Archaeology, UCL
24: Figure 2 Richard Anderson, Agora Excavations, Athens, Greece
36: Figure 7 Michael Halliwell, Institute of Archaeology, UCL
41: Figure 4 Stuart Laidlaw, Institute of Archaeology, UCL
43: Figure 1 Gus Piantel, International Heritage Management, Puerto Rico
47: Figure 1 Georgina Herrmann, Institute of Archaeology, UCL
51: Figure 1 Ryszard Bartkowiak, London Archaeological Research Facility
51: Figure 2 Richard Fawcett, London Archaeological Research Facility
51: Figure 3 Christine Paton, Institute of Archaeology, UCL

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The Institute of Archaeology in the late 1990s

Peter Ucko, who became Director in August 1996, describes some new developments at the Institute

Having known the Institute well in the 1950s and 1960s, when I was, first, an undergraduate, then a postgraduate studying there, and immediately afterwards a junior member of staff in the UCL Department of Anthropology who gave occasional courses at the Institute on archaeology and ethnography, it was in some senses a homecoming when I moved here from Southampton in 1996. In the intervening years, not only had archaeology been transformed as an academic discipline, but the Institute had expanded greatly — as David Harris explains in the preceding article — both numerically in terms of students and staff, and physically beyond the confines of the main building.

Clearly, expansion had brought its own benefits, for example by increasing the range of expert coverage in teaching and research, but it had carried costs too, for example by increasing the separation of Institute activities in its specialized departments and sections, the boundaries of which were to a large degree historically based and academically arbitrary.

One of my first aims has been to reshuffle the academic pack to bring the Institute more into line with contemporary concerns in archaeology. We have approached this difficult task collectively, by proposing and refining a series of thematic research groups that cut across the boundaries of the Institute’s former departments. All the academic staff have participated in the formulation of primary-level and secondary-level research groups, and they, as well as all the support staff, have then chosen to which group they wish to belong. The outcome of this complex process, which occupied most of the 1996–97 academic year, has been agreement on the establishment of four primary and three secondary groups, each with a coordinator chosen by the group. The coordinators of the primary groups, together with the chair of the Institute’s Teaching Committee and myself, form an Institute Policy Group, which has just begun to function and will normally meet fortnightly. The research groups are now beginning to develop their own initiatives and to organize seminars and conferences. Their activities will be reported in some detail in next year’s issue of *Archaeology International*.

Another major initiative has been a comprehensive review of the Institute’s whole teaching syllabus. A syllabus committee, with a series of working groups reporting to it, critically examined existing courses, suggested some changes to them, proposed new ones, and recommended a more structured syllabus for the BA and BSc degrees — a recommendation that was accepted at a meeting of all the staff. The changes include the introduction of some mandatory second-year courses, which build on those taken by all students in the first year, and a much greater emphasis on progression to more specialized courses, most of which will be taught only in the third year.

We have also reviewed the academic aims and content of all the taught master’s degrees, with the result that some have been substantially changed, and new ones have been introduced (see the back cover of this issue of *Archaeology International* for a list of the MA and MSc degrees currently offered by the Institute). As the list shows, there has been a major expansion of the Institute’s involvement in cultural heritage studies and in what may, more generally, be called public archaeology; and the public role of the Institute has itself been defined by means of a unanimously agreed mission statement, which is reproduced at the end of this article.

Looking to the world beyond the Institute, we have been actively developing academic links with archaeology departments and individual scholars abroad. These initiatives reaffirm the Institute’s historical commitment to world archaeology — which is now enshrined in the mission statement. The Institute is not only fostering research and teaching visits from, and to, other countries, but has also established a formal long-term collaboration with the Department of Archaeology at the University of Tromsø in Norway.

Returning to the domestic scene, I am very pleased to be able to report that, in the near future, almost all the Institute staff will be under one roof. After lengthy deliberations in the University of London, the Institute of Classical Studies, which had shared 31–34 Gordon Square from the outset, has moved into the Senate House. The Provost of UCL agreed that the Institute of Archaeology should occupy the space thus vacated on the fifth and sixth floors. In return, we have now to vacate the space in the houses on the west side of Gordon Square that David Harris “won” from the College when the UCL departments of Classical Archaeology and Egyptology joined the Institute. But, overall, we have gained a little extra space, and, once we are re-grouped in the main building (we hope in time for the 1998–99 academic year), students and staff alike will enjoy the benefits of easier day-to-day contact and collabora-

Mission statement

- To develop the Institute of Archaeology as a research-led institution recognized also for the excellence of its teaching.
- To be internationally pre-eminent in the study, and comparative analysis, of world archaeology.
- To enhance its national and international reputation for the quality and breadth of its multidisciplinary and thematic approach to the study of the human past.
- To promote best practice in the management of cultural heritage and in the care and preservation of archaeological artefacts.
- To ensure that the social, political and economic contexts of the practice of archaeology are taught and appreciated.
- To be at the forefront of international research in archaeological sciences.
- To play a major role in furthering the understanding of London’s archaeological and historical past.
- To provide archaeological opportunities of the highest quality to all, regardless of background.
World distribution of current field projects

- Only the main projects currently run by members of the Institute, or to which they make an important contribution, are included (individual research students' field projects are excluded) and only the main members of the Institute involved in each project are listed: staff from other UK and overseas universities and other organizations also participate, in and in some cases co-direct, particular projects.
- All the overseas projects depend on collaboration with local archaeologists and with the relevant antiquities services and/or universities, and several of them also involve collaboration with other UK universities, colleges and museums, e.g. 16 (Bournemouth), 19 (Reading), 21 (King's College London), 28 (Cambridge), 30 (Leicester), 34 (Oxford, Sheffield and York) and 36 (British Museum).
Prehistoric settlements in the Caribbean
Peter L. Drewett & José R. Oliver

Mesoamerican archaeology has focused mainly on the ancient civilizations of the mainland, but knowledge of early settlement, society and economy in the Caribbean islands is essential for our understanding of the prehistory of the region as a whole. Institute staff and students are currently working in three islands: Puerto Rico, Tortola and Barbados.

The Institute of Archaeology's field projects studying the nature of prehistoric settlements in the Caribbean are concentrated on Barbados, the British Virgin Islands and Puerto Rico, and thus span both the Greater and Lesser Antilles. Extensive surveys of individual islands such as Barbados and Tortola allow cultural dynamics to be examined through changing settlement patterns and settlement morphology, whereas the study of discrete landscape blocks and individual sites, as in Puerto Rico, provides details of prehistoric lifeways. Three projects are currently under way: the Utuado-Caguana Archaeological Project, Puerto Rico; the Belmont Archaeological Project, Tortola; and the Heywoods (Port St Charles) Project on Barbados, together with the continuing Barbados Archaeological Survey.

Puerto Rico

The Utuado-Caguana Archaeological Project was initiated in 1996 and is directed by José R. Oliver together with Lee A. Newsom (University of Illinois-Carbondale) and J. Rivera Fontán (Division of Archaeology, Institute of Puerto Rican Culture). Its overall aim is to elucidate the political and economic organization that sustained the first civic ceremonial centre of Caguana (AD 1100–1500). Located at the ecological junction or ecotone between the interior mountains, which consist of igneous rocks, and the northern belt of karst limestone, Caguana and its hinterland provide an advantageous setting in which to study the organization and settlement pattern of a pristine Taíno chieftaindom immediately prior to its conquest by the Spanish in AD 1508–11. The investigation focuses on the sites and communities surrounding Caguana in an attempt to understand the organization of the civic ceremonial core, site U-10 (Figs 1 and 2). It is also exploring the impact of agricultural and other land-use practices on the long-term sustainability of political and economic systems in Puerto Rico. The project is asking a series of related questions: How did Caguana arise and why, and when was it abandoned and why? How did the satellite communities respond to Caguana's collapse? How were the peripheral communities linked to each other and integrated with Caguana? Were these satellite communities economically self-sufficient villages or rural farmsteads? Where did the proto-Taíno elite reside, and what are the indicators of socioeconomic wealth and prestige? What was, indeed, the basis of the wealth of the elite?

Research conducted to date suggests low population density and a settlement pattern of dispersed rural farmsteads. These were locally articulated with a single, often vacant, ceremonial batey (plaza or ball-court) precinct, such as site U-53 (Figs 3

Figure 1 Aerial view of site U-10 showing (a) a large plaza used for ritual dances (araito), (b) a rectangular area used for the Antillean ball game (batey), (c) a small oval plaza, and (d) an area where evidence of houses has been found.

Figure 2 Iconography at the site U-10, Caguana ceremonial centre: the cacique or chief (head only) is flanked by pairs of high-ranking ancestors (left) and low-ranking figures (right).
and 4), with no known village-size agglomerations or second-tier civic ceremonial centres detected within a 3km radius of Caguana. Known second-tier civic ceremonial centres occur beyond a distance of 9–10km. The farmsteads are also linked to special-function sites in the karst zone: some cave localities exhibit rock carvings (petroglyphs) and served as burial grounds for selected members of the community. Perhaps most tantalizing, the region also includes artificial agricultural terraces that suggest an intensification of agricultural production, beyond the postulated requirements of the local population (surplus, staple wealth?). The investigations also suggest that, at the edges of the civic core of Caguana, there is evidence for domestic midden accompanied by high-status materials that thus far are not found, or rarely so, in the rural settlements. Caguana is not, as was thought, a “vacant” or “pilgrimage” centre, but may still yield the residential sectors of the proto-Taíno elite of the region.

Future work on the project will focus on conducting horizontal excavations in an open habitation site (rural farmstead) found about 400m northeast of the “uninhabited” batey site (U-53) in order to gather data on the household economy and the social status of the occupants (e.g. prestige/exotic items); on determining the date of the nearby agricultural terraces and recovering plant remains, in order eventually to estimate agricultural production levels; and on completing excavations at a burial cave site, also located in the vicinity.⁴

Tortola

The British Virgin Islands Archaeological Project was initiated in 1994 and is directed by Peter L. Drewett, together with Brian D. Bates (Longwood College, Virginia). Following a detailed survey of Tortola,⁵ work is concentrating on the Belmont Archaeological Project and on a survey of the island of Jost Van Dyke directed by Brian Bates. The Tortola survey located 33 small village or farmstead sites dated to the period about AD 600–1500 and situated in the bays around the island. Five larger, perhaps village, sites, were found on the northern coast and one of these, at Belmont, was selected for intensive study. The interior of the island appears to have been largely unsettled, with no evidence of ceremonial batey courts, petroglyphs or caves suitable for burial.

The site at Belmont is today in an overgrown coconut palm plantation with a storm beach to the north, Belmont Pond and Hill to the west, and a degraded cliff line to the southeast. In the prehistoric period, Belmont pond may have been open to the sea in the west and was almost certainly fringed with mangrove. A storm beach to the north is postprehistoric, so during the occupation of the site there would have been a gently shelving beach from the site into Belmont Bay. The high land to the south would have supported dense tropical rainforest. Shovel testing of the site indicated activity covering an area some 120×80m along a degraded sand bar.

The major aim of the project is to excavate the whole site in order to determine the economic, social and ceremonial activities that may have taken place on sites of this size on small Caribbean islands. To do this, the site, having been defined by shovel testing and some machine digging, is being hand dug in open-area blocks (Fig. 5) with detailed plotting of artefact distributions as well as features. Clear patterns in artefact, ecofact and deliberately deposited natural stone distributions are emerging.

Excavations so far have been located towards the centre of the settlement. Apart from the remains of one small round building, most of the area excavated was probably open space within the centre of an oval or round village. Ceremonial activities took place within this space. Two pairs of stoneworks were found set on edge and aligned with the summit of Belmont Hill, the conical hill that dominates the site. Around the stones were carefully placed whole pots (Fig. 6), a carved conch vomit spatula, a triton shell “trumpet”, and food refuse dominated by top shells (Cittarium pica), together with a
wide range of other mollusc shells and fish bones. Preliminary identifications of the fish bones by Dr Elizabeth Wing (University of Florida) include jack, grunt and ray. All the evidence suggests that Belmont Hill was itself a zemi® or the residence of a zemi, and that the area excavated was where the village shaman communed with the zemi, using hallucinogenic drugs following ritual cleansing using the vomit spatula. Offerings were made to the zemi using the pots and are represented in the archaeological record by fish and shellfish remains. It is hoped that future excavations will put these ceremonial activities into their domestic context.

Barbados

The Barbados Archaeological Survey was established in 1984 as a joint project between the Institute of Archaeology and the Barbados Museum, and is directed by Peter L. Drewett. An initial field survey in 1985–86 located 64 prehistoric sites® and continuing survey has added an additional 16 sites. The main aim of the project is to examine how settlement sites and land use changed over time (currently from about 2000 BC to AD 1400) and how settlement areas articulated with each other. Currently, most known sites have a coastal distribution, with inland settlements being restricted to river valleys, as at Greenland and Three Houses. Research has concentrated on three main coastal areas: central southern Barbados from Maxwell to Chancery Lane, the east coast promontory at Hillcrest, Bathsheba, and the west coast site of Heywoods (Fig. 7). All three areas have shown extensive and changing settlement and landscape use over time.

Recently, work has concentrated on the Heywoods site north of Speightstown, where an entire prehistoric landscape is being revealed during the construction of a marina at Port St Charles®. Preliminary test-pit survey has indicated three major phases of occupation. First, the marine inlet was the focus of activity by a pre-ceramic fishing and foraging community around 2000 BC. Secondly, a small village represented by round houses of the late Saladoid–Troumasoid ceramic periods (c. AD 600–1100) was established, and finally a substantial Suazoid midden represents prehistoric activity from about AD 1100 to 1400. It is likely that the pre-ceramic material, mainly conch-lip adzes and mollusc shells, indicates small mobile groups moving among the islands of the Lesser Antilles. They adapted to local resources, making cutting and scraping tools on islands with stone, but on stoneless Barbados the queen conch was used instead. The first permanent settlements are represented by people using pottery of the Saladoid tradition, which stylistically can be linked back to mainland South America, particularly the northeastern Venezuelan coast and Ori-noco Basin. Once settled by pottery-using peoples, Barbados developed its own insular traditions, although it kept close links with neighbouring islands and perhaps even with the mainland.
The economy of the ceramic-period settlements of Barbados was based on protein obtained largely from the sea in the form of fish and shellfish, together with introduced manioc and local plants. The island had no indigenous land mammals and the range of birds was always small, although bones of the ring-necked duck, tree duck and purple gallinule have been recovered. Fish, both reef (e.g. parrotfish and surgeonfish) and pelagic (e.g. tuna and flying fish), dominate the bone assemblages. Virtually all shellfish locally available to the sites were collected for food, with the queen conch (*Strombus gigas*) heading the list on the south coast sites, whereas top shells (*Cittarium pica*) and nerites (mainly *Nerita* spp.) dominate on the high-energy east coast.

Barbados clearly did not have powerful elites who, by producing and controlling excess production, were able to divert labour into the construction of prestige sites such as Caguana in Puerto Rico. The large early ceramic-period sites such as Chancery Lane, Maxwell and Heywoods remain relatively small when compared with the settlements of the chiefdoms of the northern coast of mainland South America or the large islands of the Greater Antilles. The archaeological evidence suggests a segmentary society with relatively small autonomous groups, but the ceramic-period people who settled Barbados (originally some time around 200 BC) possibly derived from a society organized into chiefdoms or at least "complex tribes". It is possible therefore that, even if filtered through other islands south of Barbados, the earliest ceramic-period settlements on Barbados may have had at least some status variation. If so, the nature of Barbados clearly led to a fragmentation of the system, with later sites being much smaller and widely scattered around virtually all suitable coastal areas.

One of the major questions currently being addressed in this project is the nature of the end of Amerindian settlement. It has long been assumed that the arrival of Europeans was a key factor in the end of Amerindian settlement on Barbados, as it was elsewhere in the Caribbean. However, little found so far can be dated much later than AD 1300-1400, and the earliest European reference to the island is not until the early 1500s. It is possible that some internal problems may have already led to the collapse of prehistoric Barbados prior to the arrival of Europeans. Future fieldwork there will be geared particularly to examining societal change over the 3000 years of its prehistoric occupation.

Notes
1. J. R. Oliver, "El centro ceremonial de Caguana, Puerto Rico: simbolismo iconográfico, cosmovisión y poderío caciquil taino de Borinquen. British...