

For Council on 16 March 1964 (UDAR/9)

Annual Report of the Faculty Board of Archaeology and Anthropology on the Museum of Archaeology and Ethnology, 1962-63

25 November 1963

The FACULTY BOARD OF ARCHAEOLOGY AND ANTHROPOLOGY beg leave to present to the University their Annual Report on the Museum of Archaeology and Ethnology for the year 1 October 1962 to 30 September 1963.

1. *Voluntary Helpers.* The Board are most grateful to the Honorary Keepers and others for their valuable help. They are particularly indebted to Miss Liversidge, the Honorary Keeper of the Roman Collections, for her work in answering questions about Roman objects, and in sorting stored material in preparation for further study.

Mrs Roth, the Honorary Keeper of the Fijian collections, has begun the sorting and filing of the mass of papers concerning the history and ethnology of Fiji. The necessary files for this work have been bought out of Mrs Strickland's bequest, and have been suitably labelled in her memory.

Mrs Allchin has given much help in examining the Indian archaeological collections and renewing the exhibit in the Keyser Hall.

Lady Briscoe has constantly helped in a number of ways, especially in cataloguing lantern slides.

2. *Accessions.* The principal accessions were as follows:

A large and important archaeological collection from the Calima Valley, and some useful ethnological material from the Noanama Indians of the Choco area, both in Colombia, from the Cambridge Calima Valley Expedition, through Dr Warwick Bray who directed the archaeological work of the expedition.

Some useful archaeological material from California, acquired by exchange from the Robert W. Lowie Museum of Anthropology of the University of California, and some interesting Iroquois material of the early years of European contact, obtained by exchange from Colgate University.

An important archaeological series, chiefly of pottery, ranging from the Chalcolithic to the Iron Age, from Mr Burney's excavation at Yanik Tepe, Persia, received from the University of Manchester in recognition of a Crowther-Beynon grant towards the excavation.

A series of pots from the X-group cemetery at Qasr Ibrim, Nubia, from the Egypt Exploration Society.

3. *Exhibits, Stores, and Workshop.* The exhibit of Indian archaeology has been entirely rearranged and the stores reorganized by Mrs Allchin and Miss Cra'ster.

The Bronze Age and Iron Age cases have been prepared to receive interior lighting and otherwise improved.

The Stone Age stores have been examined and sorted and some objects for exchange extracted. A good deal of unregistered material, chiefly from Great Britain and India, was found and catalogued.

Miss Liversidge has reorganized the Romano-British store in the attic. The material is now much more accessible and space has been saved.

In connexion with Dr J.M.Coles' researches into Bronze Age shields, further reconstructions were made in the workshop. Extensive tests were carried out by Dr Coles and Mr Allen to determine the relative value of copper and leather shields as defensive weapons, and the results published in the *Illustrated London News*.

A great deal of the time of the workshop staff has again been taken up by preparations for archaeological expeditions, and in making boxes for animal bones and racks for skulls. This has left them insufficient time for improving the exhibits and treating the museum material.

4. *Photographic Studio.* Mr Morley has made 262 negatives, 880 prints, 70 colour transparencies, and 600 black-and-white lantern slides.

5. *Crowther-Beynon Fund.* Grants were made to the following persons: Professor Clark for local excavations; Dr M^c Burney for investigation of the Palaeolithic in Persia; Mr Higgs for continuance of his work on the Middle Palaeolithic of Greece; Dr Allchin for excavations in Pakistan; Dr Alexander for excavations on Castle Hill, Cambridge; and Dr Bray for the publication of work done in Colombia.

6. *Visitors.* The Museum was fortunate in having Dr Gordon R. Willey, Bowditch Professor of Archaeology at Harvard, in residence throughout the year, and his help and advice were of great value. He gave a course of lectures on American archaeology which took the place of the course that is normally given by the Curator in the Michaelmas Term.

Other visitors included: Dr Margrethe Hald of the National Museum of Denmark; Professor P.E.de Josselin de Jonghe of Leiden; Professor Th.P.van Baaren of Groningen; and Mr James Melaart.

7. *Roman Collections.* Miss Liversidge, the Honorary Curator, has examined and sorted the Romano-British material in the attic, in preparation for her study of Roman Cambridgeshire for the forthcoming volume of the Victoria County History.

8. *Archaeology.*

(a) Museum work:

Stone Age Laboratory. The statistical work on the large collections from the cave of Haua Fteah, Libya, has now been completed and prepared for publication. Similar work has been continued on the collections from the caves of St Brelade and Cotte a la Chevre, Jersey, and on the newly acquired collections from north-east Iran.

Animal Bones:

(i) Some 25,000 domestic animal bones were systematically catalogued at the time of the Nea Nikomedeia excavations. It is planned to study these with the aid of funds from the U.S. National Science Foundation.

(ii) The study of the Iron Age domestic animal bones in Great Britain was continued. Reports were completed on assemblages from the sites of Old Sleaford, Green Lane, Letchworth, Hawk's Hill, and Castle Hill, Cambridge. Mrs Yealland assisted in the preparation of a report on the bones from Lechlade.

All these will eventually be published.

(iii) Reports were completed on the bones from the important Neolithic sites of Staines and Hambleton Hill.

(b) Field work:

Field archaeology in Britain:

(i) Assistance was given by Mr E.S. Higgs and a number of students in the excavation of a suspected Late-glacial site at Beck Row, Lakenheath, Suffolk.

(ii) An experimental magnetometer survey was made of a large area at Swaffham Prior near Cambridge by Mr E.S.Higgs in conjunction with Mr J.Mudie of the Geophysics Department, and traces of Romano-British field-ditches were found.

(iii) Dr J.M.Coles carried out further excavations in a rock-shelter near Kilmelfort, Argyll, which proved to have been occupied by people in a Mesolithic stage of culture.

(iv) Miss Cra'ster directed an exploratory excavation on the site of Waterbeach Priory, for the Ministry of Public Buildings and Works.

(v) During the Easter Vacation an initial excavation was made in the Coygan Cave, Carmarthenshire, by Dr M^cBurney and a party of five undergraduates. Traces of a Mousterian occupation were obtained, together with a series of C 14 samples and an abundant vertebrate fauna.

Exploration of Palaeolithic sites in Northern Greece. An expedition was sent to Greece under the direction of Mr E.S.Higgs with the aid of the British Academy and the Crowther-Beynon Fund. The discovery in the neighbourhood of Kozani of a well-made Acheulian hand-axe marks the first certain trace of Lower Palaeolithic in Greece. Further work was carried out on the Middle Palaeolithic layer located in 1962 at Pantanassa between Ioannina and Preveza in the Epiros and sufficient material was obtained for a full report. An Upper Palaeolithic level was established in the same section and other sites of Middle and Upper Palaeolithic character were located. Every assistance was given by the Greek authorities and it is hoped to send a further expedition in 1964.

Excavation of a Neolithic settlement in Greek Macedonia. Excavations were continued at Nea Nikomedeia under the auspices of the British School at Athens on a permit issued to the Disney Professor. Excavations under the field direction of Mr Robert Rodden were begun in mid-June

and continued until the end of the third week in September, with the assistance of Mr R.W. Hutchinson and a substantial number of students, many of them from this University. Attention was concentrated on the Early Neolithic levels and some 1,600 square metres were examined. Two building phases were recognized, each marked by rectangular houses built of timber plastered with mud. Upwards of 100,000 sherds were recovered and a number of complete vessels were reconstructed. They show a close connexion with the wares of Thessaly preceding the Sesklo culture. An important series of figurines was recovered as well as polished stone axes, numerous fine flint blades and many objects of bone, including well-made fish-hooks.

Special attention was paid to evidence of economic life. A systematic record of animal bones was made and specimens retained for further study under the direction of Mr Eric Higgs. A substantial collection of carbonized grain and many samples of carbonized wood were obtained for C 14 analysis. In conjunction with the excavations, a small expedition under Dr van Zeist of Groningen University has undertaken a systematic palynological investigation of lake sediments in the region, to establish the ecological context under which the earliest farming in this part of Greece was carried out.

Expedition to North-East Persia. During the Long Vacation Dr M^cBurney led an expedition of eight persons, including undergraduates and Research Students, to the Eastern Elburz and Kopet Dagh ranges to search for Upper Palaeolithic remains. Although no direct evidence on the Upper Palaeolithic was found, considerable information, including carbon samples, was collected on the preceding Mousterian and subsequent Mesolithic stages, and a number of promising sites pin-pointed for further investigation.

(c) Publications:

Bushnell, G.H.S. *Peru*, 2nd ed. (revised). Ancient Peoples and Places Series.

Clarke, D. 'Matrix analysis and archaeology with particular reference to British beaker pottery', *Proc. Prehist. Soc.* xxvm (1962), 371-82.

Coles, J.M. 'European Bronze Age shields', *Proc. Prehist. Soc.* xxvm (1962), 156-90.

Coles, J.M. 'Archaeology by experiment', *Illustrated London News*, 2 March 1963.

Higgs, E.S. 'A Middle Palaeolithic industry in Greece. Preliminary Report', *Man* (January 1963), no. 2.

Higgs, E.S. 'Some domestic animals in North Africa', *Man* (1963) (in the Press).

Hope-Taylor, B.K. 'The "boat-shaped" house in Northern Europe', *Proc. C.A.S.* LV (1962), 16-22.

Liversidge, J. 'A bronze bowl and other vessels from Icklingham, Suffolk', *Proc. C.A.S.* LV (1962), 6-8.

M^cBurney, C.B.M. (with Emiliani, C., Cardini, L. and Tongiorgi, E.). 'Palaeotemperature analysis in the Arene Candide and Hava Fteah caves', in *Memorial Volume to Harold Urey*. University of California Press, 1963.

Rodden, Robert J. 'Excavations at the Early Neolithic site at Nea Nikomedeia, Greek Macedonia (1961 season)', *Proc. Prehist. Soc.* xxvm (1962), 267-88.

9. *Duckworth Laboratory (Osteological Collections).* In the absence of the Director, Dr J.C. Trevor, on sabbatical leave, Mr D.R. Hughes reports that progress in the reorganization of the Laboratory's collections has continued during the year. The construction of additional movable racks in the Laboratory has made it possible to house further long series of crania from the Arts School basement.

Two projects have been initiated during the year. The first is the beginning of a collection of dermatoglyphic data from various racial samples with a view to contributing to analysis of this important aspect of human variability, and the second is the planning and organization of a bioserological section of the Laboratory to work initially on palaeo-serological inquiries upon archaeological skeletal material, and to furnish wider and more advanced research facilities. The Laboratory is now also co-operating with the International Biological Programme (Human Section).

The Laboratory has assisted in planning three expeditions from Cambridge—to Malaya and Thailand, to West Pakistan, and to Eritrea—and has received valuable accessions of anthropometric, dermatoglyphic, and other genetical data from these sources.

Mr Hughes participated in the Annual Scientific Meeting of the Society for the Study of Human Biology, held at University College, London, and read a paper summarizing his examination of human remains from the Early and Middle Bronze Age of Jericho. Dr Trevor contributed a paper on human variability to the Eleventh Symposium of Comparative Anatomists and Vertebrate Palaeontologists at Cambridge. Dr Trevor has also completed his examination of the extensive series of Medieval and later crania in the crypt of the parish church at Rothwell, Northamptonshire.

Visitors:

Anthropologists, anatomists, and odontological workers from France, Italy, the U.S.A., West Germany, and Czechoslovakia have visited the Laboratory during the year. Acknowledgement is gratefully made to Dr J.Napier, Reader in Anatomy, Royal Free Hospital School of Medicine, London, and to Mr D.R Brothwell, Senior Scientific Officer, British Museum (Natural History), for their assistance in giving special lectures. Dr Calvin Wells has been most helpful in confirming palaeopathological diagnoses.

Publications:

Twelve routine reports on accessions of human skeletal material from archaeological sites have been prepared for publication, this work falling largely upon the Scientific Assistant, Mr C.B. Denston, whose services have once again proved invaluable in the running of the Laboratory.

In addition to these reports, several of which are now in the press, the following publications have originated from the Laboratory in the course of the year:

Hughes, D.R. 'Senoi Temiar: Dermatoglyphic data', *Man* (1963), article 83.

Hughes, D.R. 'Polygenic or multifactorial variables: redressing the balance', *Man* (1963), article 172.

Hughes, D.R. 'The human remains', in Kathleen M.Kenyon (ed.), *Excavations at Jericho: ii*. British School of Archaeology at Jerusalem, 1963.

Hughes, D.R. 'The proper study of mankind', *Race*, v, no. 3 (in the Press).

Hughes, D.R. 'A study of a series of mandibles from the Mulu Cave. Sarawak', *J. R. Anthropol. Inst.*, xciii, part 2 (in the Press).

Moller-Christensen, V. and Hughes, D.R. 'Two early cases of leprosy in Great Britain', *Man* (1962), article 287.

Trevor, J.C. and Brothwell, D.R. 'The human remains of Mesolithic and Neolithic date from Gua Cha, Kelantan', *Fed. Mus. J.* vii (1962), 6-22.

Trevor, J.C. 'The history of the word "Brachiator" and a problem of authorship in Primate nomenclature', *The Primates. Symp. Zool. Soc. Lond.* no. 10, pp. 197-8.

10. *Haddon Library*. The Librarian, Miss S.I. Moore, reports that during the year November 1962-October 1963, 7,710 books were borrowed from the Library—almost double the number borrowed during the previous year. This is partly due to the growing number of students using the Library, and partly because of the introduction of the two-day borrowing rule, which causes a greatly increased turnover of books.

Owing to the increase in acquisitions over the past year, shelf space remaining in the Library amounts to barely one year's requirements. The seating is sufficient for only about 50 persons whereas the number using the Library is about 150. This causes considerable inconvenience, particularly between 10 a.m. and 12 noon each day, during which time the Library is usually very crowded.

During the year 300 books were bought, 65 were presented, and 4 were obtained by exchange; 6 pamphlets were bought and 84 were given. Of the 592 periodicals obtained this year, 313 were bought, 155 were given, and 124 were obtained by exchange with the *Proceedings of the Cambridge Antiquarian Society*, for which the Board is extremely grateful.

The Board is indebted to the following for gifts of books, periodicals, and pamphlets:

Dr R. Allchin	Berlin. Institut für Vor- und Frühgeschichte
Mrs E. Anderson	Bogota, Colombian Institute of Anthropology
Eric Anderson and Associates	Dr Bouquet
Ariege, Societe Prchistorique de l'Ariege	Brno, Czechoslovak Academy of Sciences, Archaeological Institute
Australia, Commonwealth Department of Territories	Bucharest Institute of Archaeology
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Belgrade Archaeological Institute	

Dr G.H.S. Bushnell
 California University General Library
 Cambridge South-East Asia Expedition
 Cambridge University, Department of Geology
 Cambridge University Library
 Mr B.G. Campbell
 Canberra, Australian Institute of Aboriginal Studies
 Professor Dott. Mario Cappieri
 Ceylon Government Record Keeper
 Mr W. Chmielewski
 CIBA, Basle
 Coimbra, Institute of Anthropology
 Dr J. M. Coles
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 Mr M. D. W. Jeffreys
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 Mr T.S. Roberts
 Rotterdam, Museum voor Land- en Volkerkunde
 Dr Santiago Genoves
 Sofia, Bulgarian Academy of Sciences
 Sydney, Australian Museum
 Sydney, Public Library of New South Wales
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APPENDIX

LIST OF ACCESSIONS TO THE MUSEUM, 1962-63

Alexander, Dr J.: Roman bronze teret, Castle Hill, Cambridge (63.201).

Bester, Mr C. F.: Roman pottery and bronze bracelet. Bedlam Farm, Haddenham (63.272).

Bolivar Collection: Three slings, Peru (63.270).

Bray, Dr W.: Chalcolithic and Nuraghic pottery from various sites in Sardinia (63.274-9).

• *British Honduras, Government of:* Four pottery bowls, stone and obsidian tools, Rio Frio cave E, Caracol and Xunantunich (63.259-65).

California University Museum of Anthropology, Berkeley (by exchange): Series of basketry receptacles, various Indian tribes, California (63.1-20).

Calima Valley Expedition: Hunting and fish spears, harpoons, arrows, bows, blow-guns and darts, wooden stools, baskets, gourd vessels, drum, carved wooden figures, paddle, drill, fibre-beater, spoons and other pieces of domestic equipment, Noanama Indians, Colombia (62.282-333); pottery vessels and roller-stamps, Colombia (63.21-50, 138-46, 211-27, 232-53).

Cambridge S.E. Asia Expedition: Palm-leaf hat, Malaya (63.121); Palm-leaf hat and mouth-organ, Thailand (63.122-3).

Clark, Professor J.G.D.: Neolithic sherds and stone and obsidian tools, Qatal Hiiyiik, Turkey (63.267-9).

Clarke, Mr D.: Iron Age A potsherds, HurelPs Piece, Burwell, Cambs. (63.271).

L.C.G. Clarke Bequest: Small chalcedony figure, Peru (63.359).

Clarke, Mr N.G.: Roman pottery, Madingley, Cambs. (63.273).

Colchester Museum: Ovate hand-axe, Burwell Fen, Cambs. (63.229).

Colgate University (by exchange): Bone, stone and metal tools, weapons and ornaments, and pottery, sixteenth-century Iroquois, New York State (63.57-93).

Cook, Mrs K.: Two jugs and sherds, all wasters from Siegburg kilns, Bonn, Germany (63.254-6).

Egypt Exploration Society: Series of pots from X-group cemeteries, fourth to sixth centuries a.d.. Qasr Ibrim, Nubia (63.178-200).

- Ghana, University of*: Series of potsherds from excavations, thirteenth to seventeenth centuries, Ghana (63.125-36).
- Gordon, the late Col. D.H.* Indian microlithic tools and cores, Barkacha (62.269) and Morhana Pahar, Vindhya Hills (62.270-4).
- Goswami, Professor M.C. (by exchange)*: Six stone axes, Garo Hills, Assam, India (63.155).
- Hey, Dr R.*: Tortoise core, Libya (62.266).
- Illinois State Museum (by exchange)*: Plaster-casts of pottery vessels, U.S.A. (62.263).
- Kenneth, Mrs D.K.*: Red pottery jar, Sudan (63.257).
- King, Professor W.B.R.*: Flint cleaver, Barnham Heath, Suffolk (62.268).
- Leicester City Museums*: Hand axe, Barnwell, Cambs. (62.267).
- Le Strange, Mr H.*: Two hand axes, Southacre, Norfolk (62.264).
- * *Manchester, University of*: Series of pots and stone and bone objects, Chalcolithic to Iron Age levels, Yanik Tepe, Persia (63.158-76).
- Needham, Dr J.*: Potsherds and plaster-casts of pot and 'Venus' figurine. Neolithic, Rumania (63.151-2).
- Papworth, Mr E.G.*: Roman pottery, Earith, Hunts. (63.285).
- Pearce, Mr A.B.* Polychrome sherd, ?British Honduras (63.266).
- Peterson, Mr J.N.*: (see Sebag-Montefiore).
- Phillips, Mr J.*: Medieval pottery, Old Schools, Cambridge (62.265).
- Powell, Mr E.F.W.*: Birch-bark canoe, Algonkin (63.137). *Price, Mr D.G.*: Graeco-Buddhist pottery, Kapisa and Naearhara, Afghanistan (63.286-7).
- Purchased (Crowther-Beynon Fund)*: Four pottery bowls, Mexico, Honduras, and Argentina (62.257-60); brocaded textile, Peru (62.261).
- Reichel-Dolmatoff, Dr G.*: Three potsherds, Colombia (63.258).
- Roe, Mr D.A.*: Eight hand axes, Romsey, Hants (63.156).
- Roth, the late Mr G.K.*: Fly switches, mats, rope from kava bowl, model gong and club shaft, Fiji (62.276-81); pieces of bark cloth, Fiji (63.203-16).
- Sahmarsh, Mr E.F.*: Double-hollowed stone. Trinity Farm, Moulton, Suffolk (63.230).
- Sebag-Montefiore, Mr N.C. and Peterson, Mr J.N.*: Miscellaneous potsherds, Peru (62.334-58); articles of domestic equipment and raw materials, Aguaruna tribe, Peru (63.94-120).
- Simmonds, Miss B* Neck of jar, Peru (62.262).
- Stronach, Mr D.*: Painted potsherds, Ras Al'Amiya, Iraq (63.157).
- Tebbutt, Mr C.F.*: Iron Age pottery, Sandy, Beds (62.253-6); sherds of fifteenth-century Dutch altar vase, Chawston Manor, Beds (63.153).
- Thompson, Dr J.E.S.*: Pottery bowl, Tlatilco, Mexico (63.124).
- White, Mr D.*: Roman pottery, Earith, Hunts. (63.281-4).
- Whitehouse, Mr and Mrs D.*: Neolithic potsherds, Argissa, Greece (63.269).
- WUkerson, Mr J.C.*: Peterborough ware sherds, Flint Cross, Cambs. (63.280).
- * In recognition of a Crowther-Beynon grant for field-work.

DEPOSITS

- Allchin, Mrs B.* Middle and Late Stone Age implements, Narbada River, Pandar Falls, Khrishna Bridge and Barkacha, India (63.D. 1-5, 7).
- Allchin, Dr F.R.*: Neolithic pottery and stone tools, Piklihal and Rajghat, India (63. D. 6, 8).