UNIVERSITY OF CAMBRIDGE

DEPARTMENT OF ARCHAEOLOGY AND ANTHROPOLOGY AND THE MUSEUM OF ARCHAEOLOGY AND ETHNOLOGY

REPORT FOR THE ACADEMICAL YEAR 1969-70

I. DEPARTMENT OF ARCHAEOLOGY AND ANTHROPOLOGY

ARCHAEOLOGY

Professor J.G.D.CLARK, Dr G.E.DANIEL, Dr C. M.B.MCBURNEY, Dr J.M.COLES, Dr B.K. HOPE-TAYLOR, Mr E.S. HIGGS.

Professor Clark initiated a movement to create an Institute of South-east Asian Studies under the aegis of the British Academy. The idea has been endorsed by the Council and its feasibility is now being explored by a strong committee.

The Managers of the Ivor Evans Fund nominated Mrs Janice Stargardt as first Fellow for work in Southern Thailand.

Dr Coles carried out excavations and field work in the Somerset Levels in February, July, and August; Neolithic and Bronze Age trackways were discovered and recorded, and work began on the investigation of a Neolithic settlement at Westhay. This work is carried on in association with Dr F.A.Hibbert and Mr C.F.Clements. Excavations of the Mesolithic occupation sites in the Levels was initiated. In Fife, Scotland, excavations in April and September completed the work at the Mesolithic site of Morton, and in Morayshire, a rescue excavation of an Iron Age midden in the Culbin Sands was completed in June.

Mr Higgs carried out excavations at the sites of Rakafet and Nahal Oren in Palestine in association with the Israel Museum. He also made a Site Survey in Southern Italy.

Dr M^cBurney read a paper to the Conference of the Linguistic Society on Semitic and Ham- mitic Languages held in the University of London, on the application of archaeology to linguistic problems and a paper to the Historical Association. During excavations at Cotte de St Brelade, Jersey, new field techniques for the preservation and removal of bones were developed in collaboration with the British Museum (Natural History). Further experiments were made in the application of computerized techniques to economic and taxonomic problems of prehistory in collaboration with the Rothamsted Experimental Station and the Department of Applied Economics. Laboratory analyses were carried out on the material obtained from Iran in 1969.

The British Academy Research Project on the Early History of Agriculture

Excavations were undertaken at Tell Gezer (Palestine) in association with the University of Cincinatti, Canhasan III (Turkey) in association with the British Institute of Archaeology at Ankara, and at three sites in Bulgaria in association with the Bulgarian and the Russian Academies of Science.

Field surveys were undertaken in Bulgaria and Northern Italy.

Field data collection units operated at Knossos, Crete, in association with Professor J. Evans (London), at Phololivos (Greece) in association with Dr C. Renfrew (Sheffield) and at Molino Casarotto (Italy) in association with Dr L.Barfield (Birmingham).Papers published:

JARMAN, M.R. Culture and Economy in the North Italian Neolithic. World Archaeology, 2.

JARMAN, M.R. The Prehistory of Upper Pleistocene and Recent Cattle. Proc. Prehist. Soc. 35.

JARMAN, M.R. Isera (rentino) Cava Nord: Faunal Report. *Studii Trentini di Scienze Nalurali*, 47. PAYNE, S. A Metrical Distinction between Sheep and Goat Metapodials. In *The Domestication and Exploitation of Plants and Animals*, ed. P. Ucko and R.Dimbleby.

DENNELL, R. Seeds from a Mediaeval Sewer. Econ. Bot. 1970.

Publications

Professor J.G.D.CLARK:

Aspects of Prehistory. University of California Press, Berkeley, Los Angeles, London, 1970. The Economic Impact of the Change from Late-Glacial to Post-Glacial Conditions in Northern Europe. C.f Vlllth Congress of Anthropological and Ethnological Sciences, Tokyo, pp. 241–4.

Dr Glyn Daniel:

'Archaeology and the History of Art', an inaugural lecture delivered in the University of Hull, 1969. Hull Printers Limited.

Dr J.M.COLES:

Metal Analyses and the Scottish Early Bronze Age. Proc. Preh. Soc. 35, 1969, 330^44.

A Hermaphrodite wooden figure from the British Neolithic. *Archeologicke Rozhledy*, 21, 1969, 231-3.

The Awakening of Man (ed.). Hamlyn, 1969.

Mr E.S. HIGGS:

Scientific Studies in Archaeology, in *Science in Archaeology*, ed. E.S. Higgs and D.R.Brothwell, 2nd ed.

Epirus: Palaeolothic Sites. Publication of the National Archaeological Museum of Greece. Origins of Agriculture. *Antiquity*, 42, 1970.

PHYSICAL ANTHROPOLOGY

Teaching staff

J.P.GARLICK, A. BILSBOROUGH, C.P. GROVES.

Dr C.P.Groves was appointed University Demonstrator in Physical Anthropology from 1 October 1969.

Teaching

Courses were given for Part I of the Archaeological and Anthropological Tripos (94 students) and for Part II, Group IB (3 Preliminary students; 13 Part II students, including 11 from Medical Sciences, and 1 from Natural Sciences). The Part II lectures were further increased in number and scope, and included lectures or courses by Professor H.Lehmann, Dr Y.Spencer Booth, Dr M.L. Lawrence (Recognized Lecturer), Dr M.H.Day (Middlesex Hospital Medical School), and Mr D.R.Brothwell (British Museum, Natural History).

Research

Mr D.Chivers returned to Cambridge on the completion of his field study of the siamang in S.E. Asia. Mr P. Andrews continued his study of Miocene hominoid material in the Coryndon Museum, Nairobi. Mr A. Bilsborough continued his study of patterns of mosaic evolution in skulls of hominids, and completed a study of Palaeolithic mandibular fragments and teeth from late Pleistocene deposits at Haua Fteah, Cyrenaica. Dr Groves continued his studies on Primate variation and phylogeny.

Dr Garlick continued his studies on the patterns of genetical variation in human populations. Mr Denston completed ten reports on skeletal remains from archaeological sites in Britain.

Visiting research workers who studied material in the Duckworth Collections included: Dr E. Ashton and Dr C.L.B.Lavelle (Department of Anatomy, University of Birmingham), Mr D.R. Brothwell and Miss T.Molleson (Sub-department of Anthropology, British Museum, Natural History), Mr M.E.J.Curzon (Department of Children's Dentistry, University of Bristol), Dr M.H.Day (Department of Anatomy, Middlesex Hospital Medical School), Professor E.Giles (Department of Anthropology, Harvard University), Mr Filce Leek (Hemel Hempstead), Professor H. Kiihne (Berlin), and Professor D.L. Weiss (Department of Pathology, University of Kentucky).

We are grateful for specimens donated to the Duckworth Collections, including an important series of Bronze Age cremations (Dr D. A. White).

Accommodation

Work was started on converting the gallery of the Duckworth Laboratory to provide three new rooms. When completed late in 1970 these rooms will greatly improve the staff and research accommodation for physical anthropology.

Publications

DENSTON, C.B. (1969). 'Cremations and unburnt bone from Mid Gleniron I' and 'Cremations from Mid Gleniron A'. *Trans. Dumfriesshire and Galloway Nat. Hist. Antiq. Soc.* 46, 84-90 and 98-9.

DENSTON, C. B. (1970). The Cremations [at the Bronze Age Burial site at Kinneil Mill, Stirlingshire]. *Proc. Soc. Antiq. Scotland*, 100, 96-9.

GARLICK, J. P.(1969). 'Buried Bone', in *Science and Archaeology* (ed. D.R.Brothwell and E. Higgs), pp. 503-12.

GROVES, C.P. (1970). Gigantopithecus and the mountain gorilla. Nature, Lond. 226, 973-4.

GROVES, C.P. (1970). Population systematics of the gorilla. J. Zool. Lond. 161, 287-300.

GROVES, C.P. (1970). Gorillas. Arthur Barker, London.

NAPIER, J. R. and GROVES, C. P.(1969). Dental dimensions and diet in australopithecines. *Proc. VIII* C.I.S.A.E. (Tokyo and Kyoto, 1968), 3, 273-6.

OAKLEY, K.P. and GROVES, C.P. (1970). Piltdown Man: the realization of fraudulence. Science, 169, 789.

SOCIAL ANTHROPOLOGY

Staff

Professor M.Fortes, Dr E.R.Leach, Dr J.R.Goody, Dr R.F.Fortune, Dr G.I.Jones, Dr R.G.Abrahams, Dr S.J.Tambiah.

Professor Fortes visited Ghana in January 1970 on the invitation of the Ghanaian Ministry of Education and National Cultural Centre, and delivered the Oration at the Ghanaian National Festival of Arts.

Dr Jones carried out field work on rural development in India, Ceylon, and Pakistan for a period of three months.

After many years of teaching in the Department beginning in 1949, Dr R.F.Fortune retired in September 1970. His last year was spent on research in Dobu, the scene of his best known *Sorcerers of Dobu*. Dr Fortune's research also included work among the Omaha, Arapesh Manus as well as in China and the New Guinea Highlands.

Research

Research continued on the S.S.R.C. project 'Comparative Study of Social Institutions with Special Reference to Africa'.

Dr Esther Goody concluded her study on kinship fostering supported by the S.S.R.C. and presented a report in July 1970. Apart from the results themselves, this project has had a positive influence in the Department on the techniques of collecting and analysing field data.

Publications

Professor M.FORTES:

Kinship and the Social Order. Aldine, Chicago.

Time and Social Structure and other Essays. L.S.E.

The Plural Society in Africa. South African Institute of Race Relations.

Dr E.R.LEACH:

Morals in a Changing World, *The Humanist*, January 1970, pp. 8-11.

Genesis as Myth and Other Essays. Cape Editions, 1970.

Levi-Strauss. Fontana Modern Masters, 1970.

English Society in the Seventies (Third Mason Memorial Lecture) (Blackburn Education Committee, College of Technology and Design).

- The Concept of Sin among the Kachin of North Burma. *Proceedings VUIth Congress of Anthropological and Ethnological Science*, Tokio, 1968. (Published 1970.) Section S.9, Religion and Morality, pp. 307-9.
- A Critique of Yalman's Interpretation of Sinhalese Girls Puberty Ceremonial, in J.Pouillon and Pierre Maranda, *Echanges et Communications: Melanges ojferts a Claude Levi-Strauss* (Mouton, 1970), pp. 819-28.

The Study of Folklore, in T.L.S. 8 (Oxford University Press, 1970), pp. 99-105.

Dr J.R.GOODY:

Economy and Feudalism in Africa. Economic History Review, 22, 393-405.

Marriage Policy and Incorporation in Northern Ghana, in *From Time to Nation in Africa* (ed. R.Cohen and J. Middleton). Chandler Publ. Co., San Francisco, 1970.

Inheritance, social change and the boundary problem. *Echanges et Communications, Melanges Offerts a Claude Levi-Strauss* (ed. J.Pouillon and P. Miranda). Mouton, The Hague, 1970. Cousin Terms. *Southwestern Journal of Anthropology*, 26, 125-42.

Reform, renewal and resistance: a Mahdi in Northern Ghana. *African Perspectives* (ed. Christopher Allen and R.W. Johnson). Cambridge University Press.

Dr R.G. ABRAHAMS:

The Political Incorporation of Non-Nyamwezi Immigrants in Tanzania, in *From Tribe to Nation in Africa* (ed. R.Cohen and J. Middleton). Chandler Publ. Co., San Francisco, 1970.

Dr G.I.JONES:

Chieftancy in Eastern Nigeria, in *West African Chiefs* (ed. M.Crowder and O.Ikine). University of Ife Press.

A Boundary to Witchcraft Ancestors, in A.S.A. Monographs, no. 9 (ed. M.Douglas).

Dr S.J.TAMBIAH:

Buddhism and the Spirit Cults in North-east Thailand. Cambridge University Press, 1970.

II. Museum of Archaeology and Ethnology

Staff

Dr G.H.S.BUSHNELL, Curator, Miss M.D.CRA'STER, Mr M. MCLEOD, Assistant Curators.

The Curator was elected a Fellow of the British Academy. He visited West Germany in May, at the invitation of the Government of the Federal Republic, on the occasion of the opening of the new American and Oceanian Halls in the Museum fur Volkerkunde at Dahlem, West Berlin. He subsequently visited museums in Hamburg, Dresden, Cologne, and Bonn, also at the invitation of the Government. In July he attended a conference at the Wenner Gren Foundation's castle of Burg Wartenstein. He also represented the University at the XXXIX International Congress of Americanists held in Lima. He visited a number of museums and institutions in Peru, and subsequently in Ecuador and Colombia. While in Ecuador, he took part in an excavation undertaken by the Casa de la Cultura, Nucleo del Guayas, and visited and assessed a number of reputedly pre-ceramic sites on the Santa Elena Peninsula.

He continued to serve on the Executive Committee of the Society of Antiquaries, and the Fitzwilliam Museum Syndicate. He lectured on Peru to the Archaeological Society of the University of East Anglia, and the Huntingdon branch of the Historical Association.

He retired from the Curatorship on 30 September after thirty-two years. His contribution has been very great - both in actual gifts to the Museum, and in his extensive knowledge of the collections and their history. His first-class scholarship and research in American pre-Columbian archaeology was matched by very considerable skills in English mediaeval archaeology and in primitive technology in general. In addition, his personality and interest in other people led to an atmosphere of easy access throughout the Museum, which contributed to fruitful exchanges of information between different fields of knowledge.

Mr P. W. Gathercole, *Pet.*, who has held appointments for many years in New Zealand, and latterly at the Pitt Rivers Museum in Oxford, has been appointed as his successor.

Miss Cra'ster continued to serve on the Council of the Society of Antiquaries, and to represent the University on the South-east Area Museums Council. She was appointed to serve on the committee of the South Midlands Museums Federation. She gave three lectures on Iron Age farming: to a joint meeting in Norwich of the Norfolk Research Committee and the Norfolk and Norwich Archaeological Society; at Ipswich Museum; and to an open meeting sponsored by the Huntingdon Local History Society.

Mr McLeod took up his appointment in October 1969. His advent has been of great benefit to the Museum staff.

He read a paper to the Art Panel of the Royal Anthropological Institute in November, on 'Court and Peasant Art in Ashanti'. He also lectured on 'A West African agricultural people' to the Cambridge Extra-Mural Studies Summer School on Archaeology and Anthropological Parallels.

He was a member of the Royal Anthropological Institute's panel in an open seminar on Art in Non-Western Societies.

At Easter he went to Bangor to appraise a mainly ethnological collection, which has since been promised to the Museum on permanent loan, together with a smaller collection from Caernarvon which he discovered when in the area.

Mr S.C.Lilley reached the retiring age and left at the end of May, after thirty-eight years' service. His work over this period has been of the utmost value to the Museum and the Department; his increasing skill in restoration and his steady reliability have been a constant support to the Curator.

He was succeeded as Chief Assistant by Mr L. P. Morley, and in the workshop by Mr P. Smith to both of whom the Board extends its best wishes.

The retirement of Mr T.S. Hancock in March has meant the loss of another old friend of many years' service.

Voluntary helpers. The Board again thank the Honorary Keepers for their help and support. Miss Liversidge has, as always, given much time to the maintenance of the Roman collections. Mrs Martlew has again helped the Curator with the brass rubbings.

Visitors

Dr Gerardo Reichel-Dolmatoff, of the Instituto Nacional de Antropologia in Bogota, spent the Lent Term in Cambridge as Visiting Scholar of the Centre of Latin American Studies. His presence was a valuable stimulus to the Museum, and it is expected that he will fill many gaps in the Colombian archaeological material in the Haddon Library. Among other overseas visitors were: Miss J.Borgatti, of the University of California; Dr J. Ewers, of the Smithsonian Institute; Mr N.Feder, of the Denver Art Museum; Mile F. Girard, of the Musee de l'Homme, Paris; Prof. J.B. Griffin, of the University of Michigan; Dr A.L.Kaeppler, of the Bernice P.Bishop Museum, Honolulu; Prof. Luvsanvandan of the Mongolian Academy of Sciences; Mrs S.Nordhagen of Bergen University; Dr Otto Rochna of the Deutches Archaologisches Institut, Frankfurt am Main; Dr B. Rutkowski of the Polish Academy of Sciences, Warsaw; and members of the conference of South Asian archaeologists.

Collections

The bulk of the Stone Age collections from excavated sites in Dr M°Burney's laboratory have been sorted, boxed, and card-indexed with the help of Mrs J.Cornford, and are now ready for entry in the catalogue.

Several of the Museum's most valuable Iron Age pieces were lent to the Arts Council's major exhibition of Early Celtic Art at the Edinburgh Festival, and subsequently in London. Miss Cra'ster went to Edinburgh to supervise their safe removal, and while there attended the Colloquium on the Celts, held in Edinburgh University in conjunction with the exhibition.

Principal Accessions. A large wooden slit-gong from N. Ambryn, New Hebrides, graciously presented by Her Majesty the Queen. It is an excellent example, nearly 12 ft. high, of a type of which few remain.

A collection of Roman pottery from Great Chesterford, Essex, acquired through the good offices of the excavator, Mr J.G.S. Brinson.

A notable series of inscriptions and altars, mostly from the area of Hadrian's Wall, collected in 1600 by Camden and Sir Robert Cotton, and presented to Trinity College in 1750 by Sir John Cotton, lent to the Museum on a long-term basis by the Master and Fellows.

Roman Collections. Miss Liversidge, the Honorary Keeper, reports that work is almost completed on the erection, display, and labelling of the Roman inscriptions on loan from Trinity College.

She has completed reports on wall-paintings from the Roman sites at Bozeat and Brixworth, Northamptonshire, and Shakenoak Farm, Wilcote, Oxon.

Photography. The volume of work undertaken during the year for the Faculty as a whole has almost doubled. Mr Morley has taken 2,702 photographs, and made 76 coloured and 816 black- and-white slides.

Special Funds

Crowther-Beynon Fund. Grants totalling £3,550 were made to the following: the Museum (purchase of specimens); Professor Clark (recurrent grant for excavations in Britain); Dr M^cBurney for Palaeolithic excavation in Jersey; Dr Coles for Neolithic excavations in Somerset; Dr Hope- Taylor for excavation at Bamburgh; Dr Warwick Bray for research in Colombia; Dr French for excavation at Can Hasan, Turkey; Professor J.Evans for Neolithic excavation at Knossos; Dr Franks for research into the palaeo-ecology of Central Anatolia; and Professor Golson for research in New Guinea.

Publications

CRA'STER, M. D. (1969). New Addenbrooke's Iron Age Site, Long Road, Cambridge. Proe. Cambs. Ant. Soc. 72, 21-8.

LIVERSIDGE, J. (1969). The Roman Period, in History (ed. J. Fines). Blond.

MCLEOD, M.D. (1969). A Brass Bowl from Ashanti. Ghana Journal of Sociology, and various reviews.

APPENDIX

ACCESSIONS TO THE MUSEUM, 1969-70

Her Majesty the Queen: Large wooden slit-gong with carved head, N. Ambryn, New Hebrides (70.15). *Brown, Flt.-Lt R.:* Potsherds, Peru (70.11).

Bushnell, Dr G.H.S.: Potsherds, figurines and ikat cloth, Ecuador (70.5-9); stone implements, Peru (70.10).

Cra'ster, Miss M.D.: Gold-weights, Ghana (70.16-20).

Garnett, Miss M.: Predynastic Egyptian flint tools (70.21); boomerang, W. Australia (70.14).

Hammond, Mr N.D.C.: Pottery, Tihuanaco, Bolivia (69.86-87); stone tools and pottery, Peru (69.88-90). *Jarrea, Mr I.*: Potsherds, Ecuador (70.3).

Ruiz, Mr W.R.: Stone implements, pots and figurines, Ecuador (70.22-38).

Tambiah, Dr S.J.: Maize cobs, Mexico (70.1).

Thompson, Dr J.E.S.: Brocaded cloth, Guatemala (70.13).

Zeller, Mr R.: Jar, Ecuador (70.2); stone pendant, Ecuador (70.12).

Zevallos, Mr C.: Potsherds, Ecuador (70.4).

DEPOSITS 1969-70

King, Mrs: Roman pottery excavated at Great Chesterford, Essex in 1948 (70.D. 18-70). *Trinity College, the Master and Fellows:* The Cotton Collection of Roman inscriptions from Cumberland, Hampshire, Northumberland, and Yorkshire (70.D.1-17).

III. HADDON LIBRARY

The annual increase in the use of the Haddon Library, reflecting the overall growth in the size of the Department, was again repeated this year and a record number of 13,851 loans was made.

A non-recurrent grant of £500 was received for binding arrears and this was spent chiefly on rebinding books. Journal binding is still badly in arrears and it is hoped that a further grant will be made for this purpose.

In accordance with the General Board's recommendation against undue duplication in Cambridge University libraries, a number of journals were disposed of, some to other libraries and some sold. The money raised from the sales is being used to replace worn out and missing books and a new card catalogue was purchased.

New accessions consisted of 304 books and 6 pamphlets purchased and 67 books and 284 pamphlets given to the Library. In addition Mrs Miller catalogued 630 pamphlets from the Miles Burkitt gift of bound pamphlets. Many hundreds still remain to be catalogued. The Library now takes 390 current periodicals.

Grateful thanks are extended to the Smuts Fund for a further grant of £150 and to the following donors to the Library:

Donors to the Haddon Library, 1969-70

Abrahams, Dr R.	Jersey, Societe Jersiaise, Jersey.
Alexander, Dr J. Amersfoort Rijksdienst voor het Oudheidkundig Bodemonder-	Jones, Dr G. I.
zoek. Appell, Dr G. N.	Kondo, Prof. Y.
Bareigts, Fr. A. Basel Museum fur Volkerkunde, Schweiz. Belgrade Archaeological Institute. Bellwood, P.S. Bishop, R. BRNO Archeologicky Ustav. Bucurest Academia, Republicu Socialiste Romania. Bucurest Institutul Archeologie. Buenos Aires, Universidade de Buenas Aires. Burkitt, M. Bushnell, Dr.	Leach, Dr Edmund. Lisbon, Companhia de diamantes de Angola. Maine, Editor, <i>Borneo Research Bulletin.</i> Mellars, Paul. Mexico, Instituto Nacional de Antropologia a Historia. Montevideo, Museo Bacional de Historia Natural.
	Nairobi, The National Museum. Naish, R.B., Rosemary Cottage, Coast Road, Berrow, Somerset. New York, Wenner-gren Foundation for Anthropological Research.
California, Robert H. Lowie Museum of Anthropology. Cambridge, Cambridge and County Folk Museum.	Ontario, Royal Ontario Museum, University of Toronto. Payne,
Cambridge, Mass., Peabody Museum of Archaeology and Ethnology.	Scbastion.
 Canberra, Australian Inst. Aboriginal Studies. Ciba Limited, The Director, Basle. Clark, Prof. J.G.D. Coles, Dr J. Connah, G., Esq., M.A., Institute of African Studies, Ibadan, Nigeria. Czechoslovakia, Ustave vedectotechnickych informaci. 	Portugal, Junta de Investigacao do Ultramar. Prague, Archaeologicke Ustav.
	Renfrew, Dr A.C., Dept. Ancient History, Univ. Sheffield. Richards, Dr A.I. Rishbeth, Dr H., 23 Wylands Road, Langley, Bucks. Rotterdam, Museum voor Land-en Volkankunde. Roumania, Muzeul Judetean Bihor, Oradea.
Dar-es-Salaam, National Museum. Daniel, Dr Glyn. Dickens, Prof. B. Emmet, Dorothy, II Millington Road, Cambridge.	Santiago, Centro de Estudios Antropologicas. Sao Paulo, Museu Arte Arqueologia, Universidade de Sao Paulo. Shaw, Prof. J. Sofia, Bibliotheque, Academie des Sciences de Bulgaric.
Field, Dr Henry, Miami, Florida, U.S.A. Fortes, Prof. Fullerton, J.	Tambiah, Dr S.J. Tarascon, S.W. Ariegc. Taylor, Joan J., 127 Long Road, Cambridge. Thompson, Dr J.E.S.
Gautrey, Mr A.J. Goteborg, Goteborgs Etnografiska Museum. Goteborg, Goteborgs Arkeologiska Museum. 's-Gravengage, Netherlands Foundation for the Advancement of Tropical Research.	Toronto, Library Royal Ontario Museum. Torun, Katcdra Archeologii Polski i Powszechnej, Poland.
	Vienna, International Committee on Urgent Anthropological and Ethnological Research. Vienna, Ostcriroche National bilhotek.
Hammond, Normand. Hill, Dr Polly. Hutton, Mrs M. M. (widow of Prof. J. H.). Jeffreys, Dr M.O.W., Univ. Witwatersrand Johannesburg.	Wasberg, G.C., University of Oslo, Norway.