the balance is in your favor

5000 RADIOCARBON SAMPLES ANALYZED

TELEDYNE ISOTOPES

50 VAN BUREN AVE., WESTWOOD, N.J. 07675 PHONE: 201-664-7070 TELEX: 134-474

15 YEARS OF EXPERIENCE

SPATIAL ARCHAEOLOGY

Edited by DAVID L. CLARKE

CONTENTS: D. L. Clarke, Spatial Information in Archaeology. P. Dickens, An Analysis of Historical House-Plans: A Study at the Structural Level (Micro). R. Fletcher, Settlement Studies (Micro and Semi-micro), Part 1: Introduction; Part 2: Ethnographic Example; Part 3: Archaeological Example. R. Foley, Space and Energy: A Method for Analysing Habitat Value and Utilization in Relation to Archaeological Sites. R. A. Raper,

The Analysis of the Urban Structure of Pompeii: A Sociological Examination of Land Use (Semi-micro). *I. Hodder*, Some New Directions in the Spatial Analysis of Archaeological Data at the Regional Scale (Macro). *P. Danks*, Some Observations on Medieval and Post-Medieval Artefact Distributions: A Spatial Model at the Regional Scale (Macro).

1977, 390 pp., \$18.50/£9.50 ISBN: 0-12-175750-1

FISH REMAINS IN ARCHAEOLOGY

and Paleo-Environmental Studies

By RICHARD W. CASTEEL

This book has been written to provide both a comprehensive introduction to the concepts and potentials involved with the study of fish remains, and the most complete reference source of bibliographical data yet to appear on the subject. In particular the use of Russian sources on the subject is unique. A discussion of the general osteology of fishes is followed by individual reviews of a number of key skeletal elements

and fish scales, enabling the investigator to identify the animals involved, assess their season of death, estimate their weight, etc. There are numerous examples showing the value of studies such as these to archaeologists, paleontologists, paleo-climatologists, zoogeographers and fisheries workers throughout the world.

1976, 170 pp., \$14.75/£6.80 ISBN: 0-12-163850-2

THE EARLY MESOAMERICAN VILLAGE

Edited by KENT V. FLANNERY

With contributions by: Elizabeth Brumfiel, Robert D. Drennan, Timothy K. Earle, Joyce Marcus, Jane W. Pires-Ferreira, Stephen Plog, Nanette M. Pyne, Robert G. D. Reynolds, David L. Rossman, Michael E. Whalen, Marcus C. Winter, Alan Zarky

A Volume in the STUDIES IN ARCHEOLOGY Series

From the Reviews:

"This book is unique in the literature of New World archeology, and I suspect that its publication will mark a real increase in intellectual acuity, properly conceived research programs, and effectively executed excavation. ..."—

Science, March 25, 1977

Starting from the activity area, and moving through the house, *barrio*, village, and region to the interregional level, this book questions and probes archaeological methods, presuppositions, and attitudes, and at the same time lays the basis for a comprehensive understanding of Mesoamerican society.

It finds that all too often what archeologists actually do in the field bears little relation to what they want to do, or claim that they are doing. From this standpoint, it critically evaluates techniques for excavation, sampling of sites and regions, and stylistic analysis, as well as theoretical factors of explanation such as population pressure, trade, and religion.

1976, 400 pp., \$14.50/£10.30 ISBN: 0-12-259850-4

For complimentary copies of this book, write to the Sales Department, Academic Press, New York. Please indicate course title, enrollment, and present textbook.

Send payment with order and save postage plus 50¢ handling charge.

Prices are subject to change without notice.

ACADEMIC PRESS, INC.

A Subsidiary of Harcourt Brace Jovanovich, Publishers 111 FIFTH AVENUE, NEW YORK, N.Y. 10003 24-28 OVAL ROAD, LONDON NW1 7DX

PUBLICATIONS OF THE SOCIETY FOR AMERICAN ARCHAEOLOGY

Send orders for American Antiquity, Archives of Archaeology, Memoirs, and 30-Year Index according to information given below. For publications available from the Society for American Archaeology, the address is 1703 New Hampshire Ave., N.W., Washington, D.C. 20009. Remittance must accompany orders. The publications of the Society are not available for exchange.

AMERICAN ANTIQUITY

A quarterly review of American Archaeology, edited by FRANK HOLE (Rice University).

Back issues are to be purchased from Kraus Reprint Corp., Route 100, Milwood, NY 10546. Reprinted issues currently available are:

Vols. 1 to 20 (paperbound—\$20 per volume). Vols. 1 to 20 (paperbound—\$400 complete). Vols. 1 to 20 (clothbound—\$460 complete).

Volumes 21 to 33 are also available, some from the remaining inventory of the original issue. Prices for these volumes are available on request from Kraus Reprint.

Volumes 34 through 39 (except Vol. 37, which is out of print) are available from the Society for American Archaeology. \$5.00 per copy of individual issue (members \$3.50).

MEMOIRS OF THE SOCIETY FOR AMERICAN ARCHAEOLOGY

Occasional publications of monograph length, *Memoirs* 1-17 are available from Kraus Reprint. Individual members of the Society for American Archaeology are entitled to a 25 percent discount from Kraus (membership must be noted on order).

The following Memoirs are available from the Society for American Archaeology:

- 18. Issaquena: An Archaeological Phase in the Yazoo Basin of the Lower Mississippi Valley. ROBERT E. GREENGO. xviii+128 pages, 44 figures, 85 tables. 1964. \$4.50 (members \$2.00).
- 19. Contributions of the Wetherill Mesa Archaeological Project, assembled by DOUGLAS OSBORNE and edited by BERNARD S. KATZ. xviii+230 pages, 154 figures, 28 tables. 1965. \$7.50 (members \$4.00).
- 22. The Arnapik and Tyara Sites: An Archaeological Study of Dorset Culture Origins. WILLIAM E. TAYLOR, JR. xiii+129 pages, 27 figures, 23 tables. 1968. \$4.50 (members \$2.00).
- 23. The Browne Site: Early Milling Stone Horizon in Southern California. ROBERTA S. GREENWOOD. ix+72 pages, 34 figures, 12 tables. 1969. \$3.00 (members \$2.00).
- 24. Archaeology at Hatchery West. LEWIS R. BINFORD and SALLY R. BINFORD, ROBERT WHALLON, MARGARET ANN HARDIN. vii+91 pages, 23 figures, 36 tables. 1970. \$3.50 (members \$2.50).
- 26. The Olsen-Chubbuck Site: A Paleo-Indian Bison Kill. JOE BEN WHEAT. x+180 pages, 47 figures, 23 tables. 1972. \$5.50 (members \$3.00).
- 27. Demographic Models for Anthropology. KENNETH M. WEISS. ix+186 pages, 6 figures, 25 tables, 3 appendices. 1973. \$5.50 (members \$3.00).
- 28. The Use of Sampling in Archaeological Survey. JAMES W. MUELLER. xi+91 pages, 7 figures, 38 tables, 3 appendices. \$3.50 (members \$2.50).
- 29. A Model of Band Society. B. J. WILLIAMS. xiii+138 pages, 25 figures, 5 tables, appendix. 1974. \$6.00 (members \$3.50).
- Population Studies in Archaeology and Biological Anthropology: A Symposium. ALAN C. SWEDLUND, ed. v+133 pages, 24 figures, 12 tables. 1975. \$6.00 (members \$3.50).
- 31. Eastern Arctic Prehistory: Paleoeskimo Problems. MOREAU S. MAXWELL, ed. vi+170 pages, 54 figures, 18 tables, 1976. \$5.00 (members \$3.00).

30-YEAR INDEX, VOLUMES 1-30

Issued as American Antiquity, Vol. 37, No. 3, Pt. 2. 1972. i + 189 pages. \$5.00 (members \$3.50).

ARCHIVES OF ARCHAEOLOGY

Publication of new items in this series ceased in 1971. The Archives contain a Microcard record of primary documentation of archaeological investigations and related materials pertaining to the New World, edited by DAVID A. BAERREIS. Order from the University of Wisconsin Press, 430 Sterling Court, Madison, Wisconsin 53701. Remittance should accompany order. A list of available publications appears in American Antiquity 34:364 (1969).

ESSAYS ON ARCHAEOLOGICAL PROBLEMS

Special issue edited by Brian Fagan and Barbara Voorhies

CONTENTS

A D	\boldsymbol{c}	
AR	 L.L	

	Preface	Brian M.	Fagan and Barbara Voorhies	323
	Albert Spaulding and Archaeological Method and Theory		George L. Cowgill	325
	Science in Archaeology: The Saints Go Marching In		Don E. Dumond	330
	The Trouble with Significance Tests and What We Can Do About	ut It	George L. Cowgill	350
	The Meaning of Style in Archaeology: A General Model		James R. Sackett	369
	Design Analysis of Painted Pottery		Patty Jo Watson	381
	Quantifying Hallstatt: Some Initial Results		Frank Roy Hodson	394
	Issues in Evaluating the Significance of Archaeological Resourc	es	Michael Glassow	413
	Some Archaeological Correlates of Ranked Societies	Christopher	S. Peebles and Susan M. Kus	421
	Late Anasazi Farming and Hunting Strategies: One Example			
	of a Problem in Congruence		Linda S. Cordell	449
	The University of Michigan Excavations at the Pulcher			
	Site in 1950	James B.	Griffin and Volney H. Jones	462
Bib	liography of Albert C. Spaulding			491
CO	NTRIBUTORS			493