

TREE-RING DATING AND ARCHAEOLOGY

M. G. L. Baillie

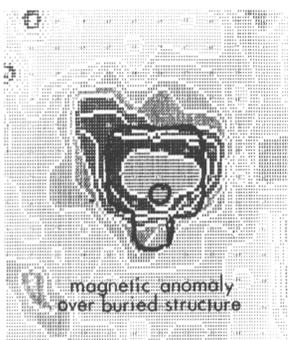
After outlining the techniques associated with the measurement and processing of tree-ring patterns, Baillie traces an attempt to construct an independent chronology in a new area, the Irish oak in Belfast and Northern Britain. His work illustrates the practical problems of establishing a chronology and validating it and includes specific examples of the dating of structures and archaeological timbers.

Cloth \$25.00 280 pages

THE UNIVERSITY OF CHICAGO PRESS

5801 S. Ellis Ave. Chicago, IL 60637

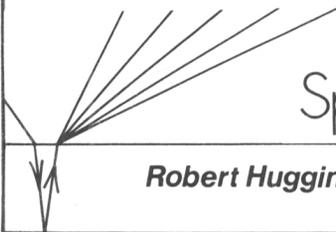
REMOTE SENSING FOR ARCHEOLOGY



-proton magnetometer surveys

*-computer analysis and
interpretation of
magnetometer and
resistivity surveys*

*-location of features and
activity areas, delimitation
of site boundaries and
site assessment*



Spectrum Geophysics

**Robert Huggins, 2250 Lipscomb St., Fort Worth, TX 76110.
817-927-5582**



Three New Volumes in the *STUDIES IN ARCHAEOLOGY* Series

Foundations of Northeast Archaeology

Edited by DEAN R. SNOW

This collection of papers discusses processual archaeology and the unique problems that attend its application in the Northeast. The core of the region includes New England, New York, and the adjacent portions of Ontario, Quebec, and the Maritime Provinces. The volume defines the foundations of archaeology in terms of the special problems and potentials that attend the application of anthropological archaeology in this region.

1981, 288 pp., \$19.50 ISBN: 0-12-653960-X

The Cuicatlán Cañada and Monte Albán

A Study of Primary State Formation

CHARLES S. SPENCER

The Cuicatlán Cañada and Monte Albán contains archaeological data from one of the most extensively excavated Formative communities in Mesoamerica. Patterns of community settlement and household organization are treated in depth. The book represents an effort to develop an explicit model of state formation from an interregional perspective and then apply this model to appropriate archaeological data. It is one of the few attempts in archaeology to both develop and test a model of primary state origins.

1982, 352 pp., \$39.00 ISBN: 0-12-656680-1

Future volumes in the *STUDIES IN ARCHAEOLOGY* series are now available on a Continuation Order basis. Your Continuation Order authorizes us to ship and bill each future volume in the series automatically, immediately upon publication. This order will remain in effect until cancelled. Specify the volume number or title with which your order is to begin.

Send payment with order and save postage and handling. Prices are in U.S. dollars and are subject to change without notice.

Polities and Power

An Economic and Political History of the Western Pueblo

STEADMAN UPHAM

This volume is an ethnohistoric and archaeological study intended to provide interpretive continuity to the history and development of the Western Pueblo. Major topics addressed include historic and prehistoric demography, exchange patterns, and political development. The author also provides a perspective on the widespread abandonment of the northern Southwest that occurred between A.D. 1400 and 1450.

1982, in preparation ISBN: 0-12-709180-7

"... the most complete record of volcano behavior available." —Richard A. Kerr, *Science*

Volcanoes of the World

A Regional Directory, Gazetteer, and Chronology of Volcanism during the Last 10,000 Years

T. SIMKIN, L. SIEBERT, L. McCLELLAND, D. BRIDGE, C. NEWHALL, and J. H. LATTER

Critical Praise for *Volcanoes of the World*:

"Scientists in many fields may find *Volcanoes of the World* as fascinating reading as any best-selling novel. Its characters are the 1343 volcanoes of the world, its action the 5564 known eruptions of the past 10,000 years. It has violence, death, and destruction on a mind-boggling scale. The plot is rather thin, but the heart of the book, 200 pages of computer printout prepared at the Smithsonian Institution's National Museum of Natural History, makes up for that. It provides easy access to perhaps the most complete record of volcano behavior available." —Richard A. Kerr, *Science*

Published by Hutchinson Ross Publishing Company, Stroudsburg, Pennsylvania.

Distributed by Academic Press.

1981, 240 pp., \$19.75 ISBN: 0-12-787461-5

ACADEMIC PRESS, INC.

A Subsidiary of Harcourt Brace Jovanovich, Publishers

New York • London • Toronto • Sydney • San Francisco

111 FIFTH AVENUE, NEW YORK, N.Y. 10003

New World Studies from **TEXAS**

The Ancient Future of the Itza

The Book of Chilam Balam of Tizimin

Translated and annotated
by MUNRO S. EDMONSON

One of fourteen known manuscripts in Yucatecan Maya on ritual and history, the *Tizimin* represents a great deal of Maya ideas and beliefs, some of which have been suspected but never previously documented. Both a literal and an interpretative translation are given, as well as the Maya parallel couplets and extensive annotations on each page.

ISBN 0-292-70353-8, \$37.50

Origins of Pre-Columbian Art

By TERENCE GRIEDER

Using evidence from archaeology, ethnology, and psychology, the author cuts across the boundaries of old disputes on the origins of native American art to provide a new look at ancient cultural history in the Americas and the Pacific basin.

59 photos, 54 line drawings
ISBN 0-292-76021-3, \$19.95

The Indian Christ, the Indian King **The Historical Substrate of Maya Myth and Ritual**

By VICTORIA REIFLER BRICKER

This highly original critique of postconquest historiography about the Maya challenges major assumptions about the relationship between myth and history implicit in structuralist interpretations. The book's focus is ethnic conflict, a theme pervading Maya folklore and also well documented historically.

34 b&w photos
ISBN 0-292-73824-2, \$45.00

Supplement to the Handbook of Middle American Indians

General Editor,
VICTORIA REIFLER BRICKER

Volume 1: Archaeology

Volume editor, JEREMY A. SABLOFF

The sixteen-volume *Handbook of Middle American Indians* has been acclaimed the world over as the most valuable resource ever produced for those involved in the study of Mesoamerica. The first in a series of periodic updates to the *Handbook*, this long-awaited volume is devoted to the dramatic changes that have taken place since 1976 in the field of archaeology.

105 line drawings and maps, 51 b&w photos,
14 tables
ISBN 0-292-77556-3, \$55.00

At the Crossroads of the Earth and the Sky

An Andean Cosmology

By GARY URTON

Based on field work in Misminay, Peru, this is the first study to provide a description and analysis of the astronomical and cosmological system in a contemporary community in the Americas. More than sixty diagrams clarify this Quechua system of astronomy and relate it to more familiar principles of Western astronomy and cosmology.

ISBN 0-292-73049-X, \$30.00



University of Texas Press

BOX 7819 AUSTIN, TX 78712

Reading the isotopic clocks If you need ^{14}C dates come to the experts

For the reliable data and custom service that your research demands, come to Teledyne Isotopes. Our labs have the staff, the equipment, the *experience* to handle all your research needs in radiocarbon and related analyses.

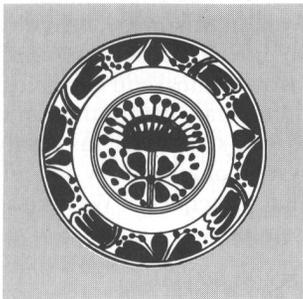
Reliability of data is assured through:

- Sample analysis done in modern, efficient labs
- Inter-calibration with major university and government labs
- Use of N.B.S. standards and other internationally recognized reference materials

For all your age determination needs, contact the *experienced* company...

 **TELEDYNE ISOTOPES**

50 Van Buren Ave., Westwood, N.J. 07675
(201) 664-7070 • Telex 134-474



120 pp., \$11.50 paper



Sixteenth-Century Maiolica Pottery in the Valley of Mexico

by Florence C. Lister & Robert H. Lister
(Anthropological Papers, No. 39)

Early Spanish colonialists in Mexico City used ceramic wares from diverse European and Oriental sources, and also established local industries to copy them. Recently excavated examples of such tin-glazed ceramics reveal a number of imported and local pottery types not previously identified in Mexico, including a unique handmade sgraffito ware that may represent the first hybridization of late Aztec and European concepts. More than 100 illustrations accompany the text.

The University of Arizona Press Box 3698, Tucson, Arizona 85722

48TH ANNUAL MEETING SOCIETY FOR AMERICAN ARCHAEOLOGY

The Pittsburgh Hilton Hotel
Pittsburgh, Pennsylvania
Wednesday, April 27–Saturday, April 30, 1983

Annual Meeting Chairperson: Norman Hammond, Archaeological Research Program, Douglass College, Rutgers University, New Brunswick, NJ 08903

GUIDELINES FOR CONTRIBUTIONS

The Executive Committee has ruled that the privilege of presenting papers at the annual meeting of the Society will be restricted to paid-up members of the Society. The Committee further decided that a person may not deliver more than one paper although that person may, at the same meeting, chair a session or serve as junior coauthor of a paper presented by someone else.

Completed symposia proposals, abstracts of symposium papers, abstracts of contributed papers, abstracts of research reports, and abstracts for poster sessions must reach the program chairperson no later than October 15, 1982. *All proposals and abstracts should be submitted on appropriate SAA forms.* These forms are mailed in March to all SAA members with the ballot. Additional forms may be obtained from the Society at the address below. Authors of papers and symposia organizers will be notified of the Program Committee's decision as soon as possible. Abstracts of all papers and research reports accepted for presentation will be published in the final program. Long abstracts are no longer required.

SYMPOSIA

A symposium consists of a group of papers on a common theme. The symposium topic and the individual papers within it will be reviewed. Changes, such as consolidation of two symposia or changes in the individual papers, may be recommended.

Symposia organizers should contact the Program Chair no later than September 15, 1982 in order that the *Guidelines for Symposium Organizers* and a special symposium form can be sent to them.

Complete symposia proposals must be submitted as a *package* by the symposium organizer(s) and must be received by October 15, 1982. The package must include for every paper presented in the symposium:

- 2 copies of the SAA Short Abstract Form and
- 1 copy of the SAA Contributor Index Form.

CONTRIBUTED PAPERS (20 minutes)

Contributed papers are to be distinguished from Research Reports in that they generalize, synthesize, or compare and are addressed to problems of theory, method, culture history, or culture process. Contributed papers will be reviewed, and changes may be suggested. Contributed papers must follow the same format as the symposia papers, and each proposed presentation must include:

- 2 copies of the SAA Short Abstract Form and
- 1 copy of the SAA Contributor Index Form.

RESEARCH REPORTS (10 minutes) AND POSTER SESSIONS

A research report is a description of the results of a recent field or laboratory research project. This year the research report section will be divided into oral presentation and poster session; the author may choose which form to use. The poster session is especially appropriate for research results that can be described graphically better than verbally. Research reports will be reviewed. If the number submitted exceeds the space and time available, they will be accepted *in the order of submission*. Each proposed presentation must include:

- 2 copies of the SAA Short Abstract Form and
- 1 copy of the SAA Contributor Index Form.

Please follow these instructions carefully. Incorrect or late submissions can only be considered if space and time allow.

All other scheduling and room requests (organization or committee meetings, promotional booths, etc.) should be directed to Lucille D. Horn, 1703 New Hampshire Ave., N.W., Washington, DC 20009.

CONTENTS

| | | | |
|---|--|--|-------------------|
| EDITOR'S CORNER | | Dena F. Dincauze | 259 |
| Toward a More Comprehensive Model of Interregional Commodity Distribution: | | | |
| Political Variables and Prehistoric Obsidian Procurement in Mesoamerica | | Robert N. Zeitlin | 260 |
| Conjoinable Pieces and Site Formation Processes | | Paola Villa | 276 |
| The Effects of Variable Site Occupation Span on the Results of Frequency Seriation | | Philip L. F. de Barros | 291 |
| Alta Vista (Chalchihuites), Astronomical Implications of a Mesoamerican | | Anthony F. Aveni, Horst Hartung, | |
| Ceremonial Outpost at the Tropic of Cancer | | and J. Charles Kelley | 316 |
| OBITUARIES | | | |
| Don E. Crabtree, 1912–1980 | | Ruthann Knudson | 336 |
| Noel Morss, 1904–1981 | | John Otis Brew | 344 |
| REPORTS | | | |
| Periodic Markets in Precolonial Mexico | | Ross Hassig | 346 |
| Manufacture of Mesoamerican Prismatic Blades: An Alternative Technique | | John E. Clark | 355 |
| Easements and Artifacts: An Archaeological Investigation of the Internal Revenue Code | | Glenn F. Tiedt | 376 |
| The Chronological Position of the Dalton Horizon in the Southeastern United States | | Albert C. Goodyear | 382 |
| A Late Formative Period Stela in the Maya Lowlands | | Norman Hammond | 396 |
| Maya Blue—Further Perspectives and the Possible Use of Indigo as the Colorant | | Edwin R. Liffmann | 404 |
| FORUM | | | |
| Resolving the Crisis in Archaeological Collections Curation | William H. Marquardt, Anta Montet-White, and Sandra C. Scholtz | | 409 |
| COMMENTS | | | |
| Maximizing Clarity in Economic Terminology | | Andrew L. Christenson | 419 |
| Where the Rich Folks Lived: Deranging Factors in the Statistical Analysis of Tikal Settlement | | William A. Haviland | 427 |
| An Examination of Settlement Patterns at Coba, Quintana Roo, Mexico, and Tikal, Guatemala: | | William J. Folan, Ellen R. Kintz, | |
| A Reply to Arnold and Ford | | Laraine A. Fletcher, and Burna H. Hyde | 430 |
| A Reexamination of Labor Investments at Tikal: Reply to Haviland, and Folan, | | | |
| Kintz, Fletcher and Hyde | | Anabel Ford and Jeanne E. Arnold | 436 |
| Toad Spawn Symbolism Suggested for Sechin | | Wolfgang Wickler and Uta Seibt | 441 |
| REVIEWS | | | |
| Gould: Living Archaeology | | Patty Jo Watson | 445 |
| Renfrew and Cooke (editors): Transformations: Mathematical Approaches to | | | |
| Culture Change | | Dwight W. Read | 448 |
| Wilmsen and Roberts, Jr.: Lindenmeier, 1934–1974: Concluding Report | | | |
| on Investigations | | George C. Frison | 450 |
| Gaines (editor): Data Bank Applications in Archaeology | | Timothy A. Kohler | 452 |
| Hayden (editor): Lithic Use-Wear Analysis | | Thomas R. Hester | 453 |
| Gasparini and Margolies: Inca Architecture | | Terence N. D'Altroy | 455 |
| Snow: The Archaeology of New England | | Stephen Perlman | 456 |
| Cherry, Gamble, and Shennan (editors): Sampling in Contemporary | | | |
| British Archaeology | | R. G. Matson | 458 |
| Findlow and Ericson (editors): Catchment Analysis: Essays on Prehistoric | | | |
| Resource Space | | Donna C. Roper | 460 |
| Levine (editor): Early Papers in Long Island Archaeology: The Coastal Archaeology | | | |
| Reader: Selections from the New York State Archaeological Association | | | |
| Bulletin 1954–1977: The History and Archaeology of the Montauk Indians | | Barbara E. Luedtke | 462 |
| Anderson and Semken, Jr. (editors): The Cherokee Excavations: Holocene Ecology | | | |
| and Human Adaptations in Northwestern Iowa | | J. M. Adovasio | 463 |
| Smiley, Sinopoli, Jackson, Wills, and Gregg: The Archaeological Correlates of | | | |
| Hunter-Gatherer Societies: Studies from the Ethnographic Record | | Claudia Chang | 464 |
| Brose and Greber (editors): Hopewell Archaeology: The Chillicothe Conference | | Olaf H. Prufer | 465 |
| Martijn and Clermont (editors): The Inuit of Southern Quebec-Labrador | | David Damas and Peter G. Ramsden | 467 |
| Starbuck and Bolian (editors): Early and Middle Archaic Cultures in the Northeast | | Sydne B. Marshall | 467 |
| Hart: The Prehistory of Dickson Mounds: The Dickson Excavation, Cantwell: | | | |
| Dickson Camp and Pond: Two Early Havana Tradition Sites in the Central Illinois Valley | | Michael J. O'Brien | 468 |
| Healy: Archaeology of the Rivas Region, Nicaragua | | Frederick W. Lange | 470 |
| SOCIETY FOR AMERICAN ARCHAEOLOGY BUSINESS | | | 472 |
| SAA ANNUAL MEETING ANNOUNCEMENT | | | inside back cover |