XXXV

ANNUAL MEETING
SOCIETY FOR AMERICAN
ARCHAEOLOGY

MUSEO NACIONAL DE ANTROPOLOGIA
Mexico, D. F.
April 30; May 1, 2; 1970
OFFICERS OF THE SOCIETY FOR AMERICAN ARCHAEOLOGY

President: Ignacio Bernal, Instituto Nacional de Antropología e Historia, Cordoba No. 45, México 7, DF.

President-elect: Robert H. Lister, Department of Anthropology, University of Colorado, Boulder, Colo. 80302.

Secretary: T. Patrick Culbert, Department of Anthropology, University of Arizona, Tucson, Ariz. 85721.

Treasurer: Jane H. Kelley, Department of Archaeology, University of Calgary, Calgary, Alberta.

Editor: Robert E. Bell, Department of Anthropology, 455 W. Lindsey, Room 505A, University of Oklahoma, Norman, Okla. 73069.

Editor-elect: Edwin N. Wilmsen, Department of Anthropology, University of Michigan, Ann Arbor, Mich. 48104.


Host Institution

for the

XXXV Annual Meeting

Instituto Nacional
de

Antropología e Historia.
**PROGRAM COMMITTEE**

Otto Schöndube B. Co-Chairman
I.N.A.H. Museo Nacional de Antropología
México 5, D.F.

Walter Taylor Co-Chairman
Southern Illinois University,
Carbondale, Illinois. 62901.

Local Arrangements Committee
Joaquín Cortina Goribar Chairman.
I.N.A.H. Córdoba No. 45.
México 7, D.F.

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**GENERAL INFORMATION.**

Hotel Reservations.

All arrangements for hotel reservations and sight-seeing trips may be made through the official travel service designated by the Local Arrangements Committee, which is:

**Viajes Roca Internacionales S.A.**
(Sr. José Antonio Salazar).
Paseo de la Reforma No. 105
México 4, D.F.
(Telephone 5-66-32-00)

**Registration**

The Registration Desk will be located in the Escuela Nacional de Antropología (Museum Building) and will be open on Wednesday, April 29, from 4:00 p.m. to 7:00 p.m.; Thursday, April 30, from 9:00 a.m. to 6:30 p.m.; Friday, May 1, from 9:00 a.m. to 6:30 p.m.; and Saturday, May 2, from 9:00 a.m. to 1:00 p.m.;

Registration fee is $5.00 (Dollars, U.S.C.) or $6.50 (Pesos, M.N.)

**Abstracts**

Abstracts of papers will be available at the Registration Desk and by mail order after the close of the meetings.

**Chairmen of Sessions**

The names of the chairmen for the various sessions will be found in the book of abstracts.

**Coffee**

Coffee will be served in the Sección Educativa (Museum Building) from 9:30 a.m. to 6:30 p.m., April 30, May 1, and 2.

**Special Events.**

Field Trip to Cholula.- The Instituto Nacional de Antropología e Historia invites participants in the XXXV Meeting of the Society for American Archaeology to be its guests in a field trip to the archaeological zone of Cholula. Lunch included, on Sunday, May 4. Buses leave at 9 a.m. from the Museum of Anthropology’s parking lot and will return from Cholula at 4 p.m. approximately. Deadline for inscription is April 30.
SYMPOSIA AND SESSIONS

Symposium No. 1  The Crisis of Urban Archaeology
Symposium No. 2  Fremont Culture
Symposium No. 3  Western Mexico
Symposium No. 4  Coprolite Analysis in North America
Symposium No. 5  The Ceramic Industries of Modern Panamanian
Speakers and their Implications Concerning past Population Movements and Cultural Development in the Ucayali Basin of Peru

Special Session  Excavaciones en Tlapacoya, Ed. de México, México.

Session No. 1  Theory.- General I
Session No. 2  Theory.- General II
Session No. 3  Method.- Dating
Session No. 4  Method.- Lithic Studies
Session No. 5  Method.- Statistics/Computers
Session No. 6  Method.- Typology
Session No. 7  Method.- Site Localization
Session No. 8  Ecology and Subsistence
Session No. 9  Biological Problems in Archaeology
Session No. 10  Mexico.- Formative I
Session No. 11  Mexico.- Formative II
Session No. 12  Mexico.- Altiplano I
Session No. 13  Mexico.- Altiplano II
Session No. 14  Mexico.- Oaxaca.
Session No. 15  Mexico.- Veracruz.
Session No. 16  Mexico.- North
Session No. 17  Mexico.- Maya I
Session No. 18  Mexico.- Maya II
Session No. 19  Guatemala
Session No. 20  South America.- Peru I
Session No. 21  South America.- Peru II
Session No. 21a  Asia.- Pacific.
Session No. 22  South America and Caribbean
Session No. 23  U.S.A.- Southwest I
Session No. 24  U.S.A.- Southwest II
Session No. 25  U.S.A.- Great Basin
Session No. 26  U.S.A.- California and Plateau
Session No. 27  U.S.A.- Midwest I
Session No. 28  U.S.A.- Midwest II
Session No. 29  North America.- East
Session No. 30  North America.- Early Man I
Session No. 31  North America.- Early Man II
Session No. 32  North America.- Arctic
Session No. 33  North America.- Alaska

SCHEDULE

Wednesday, April 29, 1970.
Evening
4:00 - 7:00 Registration, Escuela Nacional de Antropología (Museo Building).

Thursday, April 30, 1970.
Morning
9:00 - 6:30 Registration, Escuela Nacional de Antropología (Museo Building).
9:30 - 1:00 Symposium No. 1, Room X
The Crisis of Urban Archaeology
9:30 - 1:00 Symposium No. 4, Room Caso
Coprolite Analysis in North America
9:30 - 1:00 Session No. 1, Room: Alba-Barlow
Theory.- General I
9:30 - 1:00 Session No. 9, Room: Clavijero.
Biological Problems in Archaeology
9:30 - 1:00 Session No. 20, Room: Sahagún:
South America.- Peru I
9:30.- 1:00 Session No. 24, Room: Auditorium
U.S.A.- Southwest I
9:30-12:30 Session No. 28, Room: Sección Educativa.
U.S.A.- Midwest I.

Afternoon
3:00 - 6:00 Symposium No. 1, Room: X
The Crisis of Urban Archaeology
3:00 - 5:30 Session No. 2, Room: Alba-Barlow
Theory.- General II
3:00 - 5:30 Session No. 10, Room: Auditorium
Mexico.- Formative I.
3:00 - 5:00 Session No. 14, Room: Clavijero.
Mexico.- Oaxaca.
3:00 - 6:00 Session No. 19, Room: Sección Educativa. Guatemala.

3:00 - 5:00 Session No. 21, Room: Sahagún. South America. - Peru I.

5:00 - 6:00 Session No. 22a, Room: Sahagún. Asia. - Pacific.

3:00 - 6:00 Session No. 33, Room: Caso. North America. - Arctic.

6:15 - Business Meeting, Room: Auditorium.

Afterwards Cocktail.

Friday, May 1, 1970.

Morning.

9:00 - 6:30 Registration, Escuela Nacional de Antropología (Museum Building).

9:30 - 1:00 Special Session, Room: X. Excavaciones en Tlapacoya, Edo. de México. México.

9:30 - 1:00 Symposium No. 5, Room: Caso. The Ceramic Industries of Modern Panoan Speakers and their Implications Concerning Past Population Movements and Cultural Development in the Ucayali Basin of Perú.

9:30 - 1:00 Session No. 5, Room: Alba-Barlow. Method. - Statistics/Computers.

9:30 - 1:00 Session No. 8, Room: Clavijero. Ecology and Subsistence.

9:30 - 1:00 Session No. 22, Room: Sahagún. South America. - Early Man. - Outside Contacts.

9:30 - 1:00 Session No. 25, Room: Auditorium. U.S.A. - Southwest. II

9:30 - 1:00 Session No. 29, Room: Sección Educativa. U.S.A. - Midwest II.

Afternoon.

3:00 - 5:00 Session No. 3, Room: Alba-Barlow. Method. - Dating.

3:00 - 5:30 Session No. 7, Room: Sección Educativa. Method. - Site Localization.

3:00 - 6:00 Session No. 11, Room: Auditorium. Mexico. - Formative II.

3:00 - 4:30 Session No. 15, Room: X. México. - Veracruz.

3:00 - 6:00 Session No. 17, Room: Sahagún. México. - May 1.

3:00 - 6:00 Session No. 30, Room: Caso. North America. - East.

3:00 - 5:30 Session No. 31, Room: Clavijero. North America. - Early Man I.

Saturday, May 2, 1970.

Morning.

9:00 - 1:00 Registration, Escuela Nacional de Antropología (Museum Building).

9:30 - 1:00 Symposium No. 2, Room: Caso. Fremont Culture.

9:30 - 1:00 Symposium No. 3, Room: X. Western Mexico.

9:30 - 1:00 Session No. 6, Room: Alba-Barlow. Method. - Typology.

9:30 - 1:00 Session No. 12, México. - Altiplano I.

9:30 - 1:00 Session No. 23, Room: Sahagún. South America and Caribbean.

9:30 - 1:00 Session No. 26, Room: Sección Educativa. U.S.A. - Great Basin.

9:30 - 1:00 Session No. 32, Room: Clavijero. North America. - Early Man II.

Afternoon.

3:00 - 6:00 Symposium No. 2, Room: Caso. Fremont Culture.

3:00 - 6:00 Symposium, No. 3, Room: X. Western Mexico.
3:00 - 6:00 Session No. 4, Room: Alba-Barlow.
Method.-Lithic Studies.

3:00 - 6:30 Session No.13, Room: Auditorium.
México.-Altiplano II

3:00 - 5:00 Session No.16, Room: Sección Educativa
México.-North.

3:00 - 6:00 Session No.18, Room: Sahagún
México.- Maya II.

3:00 - 6:00 Session No.27, Room: Clavijero
U.S.A.- California and Plateau.

Sunday, May 3, 1970

Field Trip to Cholula an invitation of the Instituto
Nacional de Antropología e Historia.
(See "General Information" p. 3 )

PROGRAM

Symposium No. 1  The Crisis of Urban Archaeology.
Day: Thursday, April 30  Hour: 9:30 - 1:00
Room: X

Organizer: John L. Cotter (U.S. National Park Service)

The Crisis of Urban Archaeology.- The Premise
of the Symposium.

Participantes.-
Mexico.- Gussinyer, J. (I.N.A.H.)

Un Sistema de Excavación Arqueológica en una
Gran Ciudad: México.

Lorenzo B., J.L. (I.N.A.H.)

Teoría y Práctica del Salvamento Arqueológico
en Zonas Urbanas.

Margain, C.R. (I.N.A.H.)

One more aspect in the possible protection of
the Archaeological Remains (Cultural Wealth of
the past) of any Urban Center.

U.S.A.- Ayres, J.E. (Arizona State Museum)

Problem-Oriented Historical Archaeology in
Tucson, Arizona.

Ezell, P.H. (San Diego State College)

Urban Archaeology in the Pacific States.

Foley, V.P. (Moravian College)

Problems and Progress of Urban Archaeology in
Bethlehem, Pennsylvania.

Salwen, B. (New York University)

Archaeology in the New York Metropolitan Area.

Sanders, W.T. (Pennsylvania State University)

Salvage Archaeology at Kaminaljuyu, Guatemala.

Weltfish, G. (Fairleigh-Dickson University)
Session No. 1

Day: Thursday, April 30

Room: Alta-Barlow

9:30 - 10:00
Duncan, R.L., and Zen, Y. (University of California, Los Angeles)
The Recent History of Archaeology: New Categories or New Explanations?

10:00 - 10:30
Paddock, J. (Inst. de Estudios Tuxpeños)
Commitment in Archaeology?

10:30 - 11:00
Zaborski, J. (Sokrateion Corporation)
Topological Archaeology -- A New Branch of the Science of Theoretical Archaeology.

11:00 - 11:30
Fritz, J.M. (University of California, Santa Cruz)
Archaeological Systems for Indirect Observation.

11:30 - 12:00
Redman, C.L. (University of Chicago)
General Systems Approach for Archaeology: The Emergence of Urban Complexes.

12:00 - 12:30
Thomas, G.B. (University of Arizona)
Towards a Test of Modern Archaeological Method and Theory Constructs.

12:30 - 1:00
Watson, R.A. (Washington University)
Inference in Archaeology.

Symposium No. 4

Coprolite Analysis in North America.

Day: Thursday, April 30

Hour: 9:30 - 1:00

Room: Caso

Chairman: B.O. Callen (McGill University)

Organizer: Lewis K. Nepton (University of California, Berkeley)

Callen, E.O. (McGill University)
Reconstruction of Cave Diets from two Pre-Columbian Sites in Mexico.

Trevor-Deutsch, B. (McGill University)
Hair Identification in Pre-Columbian Mexican Coprolites.

Nepton, L.K. (University of California, Berkeley)
Loveland Cave, Nevada: Coprolites and Chronology in the Western Great Basin.

Fry, G.F. (University of Utah)
Analysis of Human Coprolites from Utah, U.S.A.

Bryant, V.M. Jr. (Washington State University)
Pollen Analysis of Prehistoric Human Coprolites from Texas.

Watson, P.J. (Washington University) and
Varnell, R.A. (Emory University)
Human Paleofeces from Salts Cave, Kentucky.
Session No. 9  
**Biological Problems in Archaeology.**

**Day:** Thursday, April 30  
**Hour:** 9:30 - 1:00  
**Room:** Clavijero

9:30 - 10:00  
Carter, G.F. (Texas A. and M. University)  
*Were there Chickens in Northwest Mexico in Pre-Columbian Times?*

10:00 - 10:30  
Wing, E.S. (University of Florida)  
*Prehistoric Dogs from the Marismas Nacionales of Sinaloa and Nayarit, Mexico.*

10:30 - 11:00  
Olsen, S.J. (Florida State University)  
*Faunal Comparisons of Some Maya Sites.*

11:00 - 11:30  
Lippold, L.K. (San Diego State College)  
*Animal Exploitation Patterns in Woodland Wisconsin.*

11:30 - 12:00  
Agrenbroad, L.D. (Chadron State College)  
*The 'Y' Buffalo Jump: Wythe County, Idaho.*

12:00 - 12:30  
Frison, G.C. (University of Wyoming)  
*Late Middle Period Buffalo Pounding on the Northwestern Plains.*

12:30 - 1:00  
Peske, G.R. and Peters, G.R. (University of Wisconsin)  
*Microscopic Analysis and Age Determination of Archaeological Human Bone.*

Session No. 20  
**South America.-Peru I**

**Day:** Thursday, April 30  
**Hour:** 9:30 - 1:00  
**Room:** Sahagún

9:30 - 10:00  
Mackey, C.J. (San Fernando Valley State College)  
*Preliminary Field Studies at Chan Chan, Peru.*

10:00 - 10:30  
Hoyt, M.A. (University of California, Berkeley) and Moseley, M.R. (Harvard University)  
*The Burr Fringe: A Rediscovery at Chan Chan.*

10:30 - 11:00  
Dwyer, E. (University of California, Berkeley)  
*Recent Archaeological Investigations in the Valley of Cuzco, Peru.*

11:00 - 11:30  
Rove, J.H. (University of California, Berkeley)  
*Ancient Inca Urban Settlements.*

11:30 - 12:00  
Morris, C. (Brandeis University)  
*Inca Craft Production.*

12:00 - 12:30  
Conklin, W.J.  
*A Sacred Andean Textile Fragment from the beginnings of the Middle Horizon.*

12:30 - 1:00  
Dwyer, J.F. (University of California, Berkeley)  
*Recent Studies of Paracas Textiles.*
Session No. 24
Day: Thursday, April 30
Room: Auditorium

9:30 - 10:00  Judge, W.J. (Colorado State University)
Paleoindian Settlement Technology ---- Central New Mexico.

10:00 - 10:30 Irwin-Williams, C. (Eastern New Mexico University)
Shifting Patterns of Land Use in Northwestern New Mexico: 8500 B.C. - 800 A.D.

10:30 - 11:00 Wheat, J.B. (University of Colorado)
The Stevenson Site: Architectural Change in Basket Maker III Time.

11:00 - 11:30 Rohn, A.H. (University of Illinois)
Extending Pueblo Social History.

11:30 - 12:00 Leap, W.L. (Southern Methodist University)
The "Puebloan" reality of "Pueblo" --- A Problem in Ethnographic Analogy.

12:00 - 12:30 Reymann, J.E. (Southern Illinois University)
Southwestern Pueblo Conservation: A New Look at an Old "Myth".

12:30 - 1:00 Ellis, P.H. (University of New Mexico)
Calendar Priests in Jemez Pueblo: another item borrowed from Mexico.

Session No. 19
Day: Thursday, April 30
Room: Sección Educativa

3:00 - 3:30 Puleston, D.W. (University of Minnesota)
Recent Investigations in the Southeast Peten.

3:30 - 4:00 Bullard, W. R. Jr. (University of Florida)
The Status of Postclassic Archaeology in Peten, Guatemala.

4:00 - 4:30 Harrison, P.D. (Irrit University)
Separating Functions in a Maya Palace Group.

4:30 - 5:00 Evans, D.T. (San Francisco State College)
The Ceramics of Chalchitan, Guatemala, With Temporal and Spatial Reference.

5:00 - 5:30 Feldman, L.H.
A Pokom State: Protohistoric Sites in the North of the Valley of Guatemala.

5:30 - 6:00 Heath-Jones
Identification of an Ancestral Maya Calendar in the Southern Maya Area in Miraflores Phase on Monument 10, K'awaljuju.
### South America.— Peru II

**Session No. 21**

**Day:** Thursday, April 30  
**Hour:** 3:00 - 5:00

**Room:** Sahagun.

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<th>Time</th>
<th>Presenter &amp; Institution</th>
<th>Topic</th>
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<tbody>
<tr>
<td>3:00 - 3:30</td>
<td>Brown, D.L. (Harvard University)</td>
<td>The Chavinoid Reformation as seen from the Mantaro.</td>
</tr>
<tr>
<td>3:30 - 4:00</td>
<td>Grossman, J.W. (University of California, Berkeley)</td>
<td>New Ceramic Styles from the Province of Andahuaylas, Apurimac, Peru.</td>
</tr>
<tr>
<td>4:00 - 4:30</td>
<td>Holtzman, B. (University of Kansas)</td>
<td>A New Stone Sculpture Style from the Northern Peruvian Sierra.</td>
</tr>
<tr>
<td>4:30 - 5:00</td>
<td>Patterson, T.C. (Yale University)</td>
<td>Environmental Change on the West Side of the Peruvian Andes.</td>
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</table>

### North America.— Arctic

**Session No. 23**

**Day:** Thursday, April 30  
**Hour:** 3:00 - 6:00

**Room:** Casino.

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<th>Time</th>
<th>Presenter &amp; Institution</th>
<th>Topic</th>
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<tbody>
<tr>
<td>3:00 - 3:30</td>
<td>Nowak, M. (Colorado College)</td>
<td>A Preliminary Sequence of Nunivak Island, Alaska.</td>
</tr>
<tr>
<td>3:30 - 4:00</td>
<td>Hall, E.S. Jr. (Ohio State University)</td>
<td>The Eskimo of Interior Northern Alaska: An Ethnoarchaeological Approach.</td>
</tr>
<tr>
<td>4:30 - 5:00</td>
<td>Townsend, J.B. (University of Manitoba)</td>
<td>The Pedro Bay Site, Iliamna Lake, Alaska.</td>
</tr>
<tr>
<td>5:00 - 5:30</td>
<td>Smith, J.W. (University of Calgary)</td>
<td>Preliminary Report on Archaeological Investigation at Ice Mountain, near Telegraph Creek, Northern British Columbia.</td>
</tr>
<tr>
<td>5:30 - 6:00</td>
<td>Hester, J.J. and Conover, K.J. (University of Colorado)</td>
<td>Ecological Sampling of Middens on the Northwest Coast.</td>
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### Business Meeting

**Time:** 6:15  
**Room:** Auditorium

**Topic:**  
Cocktail.

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**Session No. 21a.— Asia.— Pacific.**

**Day:** Thursday, April 30  
**Hour:** 5:00 to 6:00

**Room:** Sahagun.

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<th>Time</th>
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<th>Topic</th>
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<tbody>
<tr>
<td>5:00 - 5:30</td>
<td>Solheim, W.G. III (University of Hawaii)</td>
<td>Northern Thailand, Southeast Asia, and World Prehistory.</td>
</tr>
<tr>
<td>5:30 - 6:00</td>
<td>Shutler, M.E. (San Diego State College)</td>
<td>Rock Art of The South Pacific.</td>
</tr>
</tbody>
</table>
Special Session.
Excavaciones en Tlapacoya,
Estado de México, México.
Day: Friday, May 1
Room: X
Hour: 9:30 a.m. - 1:00 p.m.
Chairman: José Luis Lorenzo (I.N.A.H.).
Geología Regional.
Soils, Sediments, and Tephra.
Bradbury, J.P. (Washington State College).
Diatoms.
Malacofauna y Ostrácodos.
Paleobotánica.
Halsster, R. (I.P.N.).
Insectos.
Paleozooalogía.
Restos Culturales I.
Restos Culturales II.
Cronología y la Posición de Tlapacoya en
La Prehistoria Americana.

NOTE: After this session, there will be a field trip to Tlapacoya. Inscription limited to 30 persons (on first come-first serve basis). A bus will be at the Museum for transportation to the site. Lunch will be served at Tlapacoya. Returns 4:00 p.m. at the Museum.

Symposium No. 5.
The Ceramic Industries of Modern Panaman Speakers and their Implications Concerning Past Population Movements and Cultural Development in the Ucayali Basin of Peru.
Day: Friday, May 1
Hour: 9:30 a.m. - 1:00 p.m.
Room: Caso.
Organizer: Donald W. Lathrap (University of Illinois).
Deboer, W.R. (University of California, Berkeley). A Ceramic Style from the Upper Ucayali River, Eastern Peru.
Roe, P.G. (University of Illinois). Cumancaya, Archaeological Excavations on an Oxbow Lake in the Peruvian Montaña.
Siskind, J. (Rutgers University). The Culina Bat Snakes and Never Bathe: Cultural Competition for an Ecological Niche.
Session No. 5.
Method - Statistics/Computers.

Day: Friday, May 1
Hour: 9:30 a.m. - 1:00 p.m.
Room: Alba-Searlow.

9:30 - 10:00
Chenhall, R.C. (Arkansas Archaeological Survey).
The Arkansas Information Retrieval System.

10:00 - 10:30
Walter, N.P. (San Fernando Valley State College).
A Computer Assisted Experiment in Typology.

10:30 - 11:00
Some Theoretical Inferences from Settlement Pattern Observations in the Xochicalco Region.

11:00 - 11:30
Covgill, C.L. (Brandeis University).
Some Results of Computer Work at Teotihuacan, Mexico.

11:30 - 12:00
Grebingo, P. and Adam, D.P. (University of Arizona).
Cluster and Principal Component Analyses of Upper Pine Burials from the Paloparo Site.

12:00 - 12:30
Thomas, D.H. (University of California, Davis).

12:30 - 1:00
Clay, R.B. (Tulane University.)
Flint Tool Frequencies: Tradition or Activity?

Session No. 8.

Day: Friday, May 1

Room: Clavijo.

9:30 - 10:00
Evans, R.K.; Leonard N.N. III; Stickel, E.G. and Chartkoff, J.L. (University of California, Los Angeles).
Application of the Ecological Concept of Succession to an Archaeological Problem.

10:00 - 10:30
Mochon, M.J. (University of Wisconsin).
Carneiro's Hypothesis and the Southeast.

10:30 - 11:00
Chartkoff, J.L. (University of California, Los Angeles).
Explanations for the origin of food production in the Old and New Worlds: conceptual problems, explanatory hypotheses and test results.

11:00 - 11:30
The Origin of Food-Producing.

11:30 - 12:00
Compton, C.B. (Instituto Interamericano, Denton).
Vestilago Zea and some other Comestibles.

12:00 - 12:30
Mchugh, W.F. (University of Wisconsin).
Late Prehistoric Human Adaptation in the Lybian Desert.

12:30 - 1:00
Byron, W.G. (California State College, Los Angeles).
Pre-Conquest Settlement Patterns in the Estuary-Mountain Transitional Zones of Nayarit, Mexico.
Session No. 22.  
**South America - Early Man - Outside Contacts.**

**Day:** Friday, May 1  
**Hour:** 9:30 a.m. - 1:00 p.m.  
**Room:** Saegun.

9:30 - 10:00  
Sarma, A.V.N. (Columbia University, N.Y.)  
Late Pleistocene and Holocene Ecology of Santa Elena Peninsula in Southwest Ecuador.

10:00-10:30  
Dorwin, J.T. (University of Kentucky).  
Early Man in Colombia, South America, El Abra III.

10:30-11:00  
Hurt, W.R. (Indiana University).  
The Preceramic Occupations in the El Abra Rock Shelters, Sabana de Bogota, Colombia.

11:00-11:30  
Mayer-Oakes, W.J. (University of Manitoba).  
San Jose - Another Early Site in Highland Ecuador.

11:30-12:00  
Lange, F. (Associated Colleges of the Midwest).  

12:00-12:30  
Stark, L.R. (University of Wisconsin)  
Migration Theory and Language Distribution in the Andean Area.

12:30 - 1:00  
Birrel, V. (University of Utah).  
New and Old World Contacts.

Session No. 25  
**U.S.A. - Southwest II**

**Day:** Friday, May 1  
**Hour:** 9:30 - 1:00  
**Room:** Auditorium.

9:30 - 10:00  
Kuler, R.C. (Prescott College)  
Late Pleistocene Archaeology and Paleoclimatology in Grand Canyon, Arizona.

10:00 - 10:30  
Tuggle, D. (University of Arizona)  
Prehistoric Settlement Pattern below the Mogollon Rim, Arizona.

10:30 - 11:00  
Longacre, W.A. (University of Arizona)  
Analysis of Burials from the Grasshopper Ruin, Arizona.

11:00 - 11:30  
Weed, C.E. and Ward, A.E. (Prescott College)  
Colonial Hohokam in North Central Arizona.

11:30 - 12:00  
Kelly, R.E. (University of Arizona)  
Diminishing Returns; 12th Century Sinagua Readaptation in North Central Arizona.

12:00 - 12:30  
Zubrow, E.B.W. (University of Arizona)  
Settlement Patterns and the Marginality Hypothesis.

12:30 - 1:00  
Plog, F. (University of California, Los Angeles)  
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<th>Method.-Dating</th>
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<td>9:30</td>
<td>Struever, S. (Northwestern University) Chert Utilization in Lower Illinois Valley Prehistory.</td>
<td>3:00 - 3:30 Buche, V. (Czechoslovak Academy of Science) and Taylor, R.E. (University of California, Riverside)</td>
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<td>10:00</td>
<td>Rackerby, F. (Southern Illinois University) Exchange Systems and the Hopewell Interaction Sphere.</td>
<td>3:30 - 4:00 DuBois, R.L. (University of Oklahoma) and Wolfman, D. (University of Colorado)</td>
<td>Archæomagnetic Intensity Measurements on Mesoamerican Ceramics and Other Fired Materials.</td>
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<td>10:30</td>
<td>Salzer, K.J. (Logan Museum) The Waukesha Focus of Wisconsin Hopewell.</td>
<td>4:00 - 4:30 Ferguson, C.W. (University of Arizona)</td>
<td>Archæomagnetic Dating in the New World.</td>
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<td>Hurley, W.M. (University of Toronto) The Effigy Mound Tradition of Wisconsin.</td>
<td>4:30 - 5:00 Graybill, D.A. and Ferguson, C.W. (University of Arizona)</td>
<td>The 7485-Year Tree-Ring Chronology of Bristlecone Pine as a Basis for Calibrating the Radiocarbon Time Scale.</td>
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<td>12:00</td>
<td>Morse, D.P. (State University, Arkansas) An Early Penetration of Mississippi Culture in Arkansas.</td>
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<td>12:30</td>
<td>O'Brien, P.J. (Kansas State University) Western Middle Mississippian and its Relation to Cahokia and Central Plains Cultures.</td>
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Session No. 7
Day: Friday, May 1
Room: Sección Educativa

3:00 - 3:30
Hammond, F.C. (University of Utah)
Geomagnetic Survey and Excavation:
Sevilla la Nueva, St. Ann’s Bay,

3:30 - 4:00
McPherson, A. (University of Pittsburgh)
Magnetometer Mapping of Neolithic Fired-
Earth House Floors in Yugoslavia.

4:00 - 4:30
Beverido, F., P. (Universidad Veracruzana)
La Magnetometría en Auxilio de la Inves-
tigación Arqueológica.

4:30 - 5:00
Gumerman, G.J. (Prescott College)
An Infrared Photographic Survey of the
Tehuacán Valley, Mexico: The Test of a
Method.

5:00 - 5:30
Onat, A.R. (Seattle Community College)
The Dig. -- Color Film.

Session No. 11
Day: Friday, May 1
Room: Auditorium

3:00 - 3:30
Brush, C.F. (American Museum of Natural History)
Recent Investigations along the Guerrero
Coast: I.

3:30 - 4:00
Brush, E.S. (American Museum of Natural History)
Recent Investigations along the Guerrero
Coast: II.

4:00 - 4:30
Greengo, R.E. (University of Washington)
The Preclassic in Guerrero, Mexico.

4:30 - 5:00
Grove, D.C. (State University of New York)
The Morelos Formative: Cultural Stratigraphy
and Implications.

5:00 - 5:30
Tolstoy, P. (Queens College)
Sequencing and Dating the Burials at Tlatilco.

5:30 - 6:00
Weaver, M.P. (Hunter College)
Present Status of Chupicuarco.
Session No. 15
Day: Friday, May 1
Room: X

3:00 - 3:30
Brüggemann, J. (I.N.A.H.)
Algunas Características de Cerámicas Transicionales (Clásico - Postclásico) del Centro de Veracruz, México.

3:30 - 4:00
Kroeger, P.H. and Beauregard G., L. (Universidad Veracruzana)

4:00 - 4:30
Medellín Z., A. (Universidad Veracruzana)
Pinturas Murales de las Híguerez, Veracruz.

Session No. 17
Day: Friday, May 1
Room: Sahagún

3:00 - 3:30
Lee, T.A., Jr. (BYU-New World Archaeological Foundation)
The Post-Formative Phase Sequence of Izapa, Chiapas, Mexico.

3:30 - 4:00
Quiarte, J. (University of Texas)
Izapa --- A Link Between Olmec and Maya.

4:00 - 4:30
Rands, R.L. and Rands, B.C. (Southern Illinois University)
Pottery Figurines of the Palenque Region.

4:30 - 5:00
Mills, L. (Central College, Iowa)
Concerning the Iconography of the House of the Turtles.

5:00 - 5:30
Arnold, D.E. (Pennsylvania State University)
Ethnonineralogical Studies in Yucatan: Archaeological Implications.

5:30 - 6:00
Furst, P.T. (University of California, Los Angeles)
The Taxi (Erythrina Coralloidendron) of the Popol Vuh in Prehispanic Art.

Session No. 30
Day: Friday, May 1
Room: Case

3:00 - 3:30
Rhodes, W.D. and Young, R.A. (State University College of Arts and Science, Genesee, N.Y.)
River Terrace Formation. Archaeological and Geologic Significance in the Genesee Valley, Genesee, Livingston County, New York.

3:30 - 4:00
Snow, D.R. (State University of New York, Albany)
New Understandings of Old Data from the Northern New England Archaic.

4:00 - 4:30
White, M.E. (State University of New York, Buffalo)
Late Woodland Sociopolitical Systems in the Northeast.

4:30 - 5:00
Gell, E.A.M. (Temple University) and Walton, B.E. (University of Arizona)
An Archaic Site on St. Croix Island, Maine.

5:00 - 5:30
Tuck, J.A. (Memorial University of Newfoundland)
The Archaeology of Sagke Bay, Northern Labrador: An Interim Report.

5:30 - 6:00
Clausen, C.J. (Bureau of Historic Sites and Properties, Florida)
Two Prosaic Treasure Chests.
Session No. 31

North America - Early Man I

Day: Friday, May 1
Room: Clavijero

3:00 - 3:30
DeGarmo, C.D. (University of California, Los Angeles)
Big Game Hunters: An Alternative and an Hypothesis.

3:30 - 4:00
Galdikas, R. (University of California, Los Angeles)
The Shift from Mammoth to Bison in Paleo-Indian Subsistence.

4:00 - 4:30
Knudson, R. (Washington State University)
Hypsithermal Cultures on the High Plains: A Suggested Model.

4:30 - 5:00
Agogino, G., and Weber, R. (Eastern New Mexico University)
The Mockingbird Gap Clovis Site: Four Years of Excavation.

5:00 - 5:30
Haynes, C.V. and Hemmings, E.T. (Southern Methodist University)

Session No. 12

Mexico - Altiplano I

Day: Saturday, May 2
Room: Auditorium

9:30 - 10:00
Brevitt, B. (University of Toronto)
Archaeological Survey Methods of the Teotihuacan Mapping Project.

10:00 - 10:30
Millon, R. (University of Rochester)
Occupational Specialization in Teotihuacan.

10:30 - 11:00
Charlton, T.H. (University of Iowa)
The Upper Teotihuacan Valley: 1500-1969.

11:00 - 11:30
Kolb, C.C. (Bryn Mawr College)
Classic Teotihuacan Figurines in the Teotihuacan Valley, Mexico.

11:30 - 12:00
Natos M.E. (I.N.A.H.)
Resultados Preliminares de las Excavaciones en el Juego de Pelota No. 2 de Tula, Hidalgo.

12:00 - 12:30
Blanton, R.E. (University of Michigan)
Preliminary Analysis of Community Pattern at Intepelca Viejo, Valley of Mexico.

12:30 - 1:00
Corona, S.E. (I.N.A.H.)
La región Matlatzinca: Su Panorama Arqueológico.
South America and Caribbean

Day: Saturday, May 2
Hour: 9:30 - 1:00
Room: Sahagún

9:30 - 10:00  Sutherland, D.R. (University of South Carolina)
             Initial Investigations into the Prehistory of Santender, Colombia.

10:00 - 10:30 Broadbent, S.M. (University of California, Riverside)
              The Present Status of Chibche Archaeology.

10:30 - 11:00 Thompson, D. E. (University of Wisconsin)
               Late Prehistoric Villages in the Eastern Andes.

11:00 - 11:30 Bruhn, K. O. (University of Calgary)
               Resist Painted Pottery in the Western Andes.

11:30 - 12:00 Douglas, J. G. (University of Illinois)
               A Formal Interpretation of Tarconan Ceramics Chronology.

12:00 - 12:30 Bullen, R. P. (Florida State Museum)

12:30 - 1:00  Hoffman, C. A. Jr. (University of Florida)
               Multilinear Evolution in Prehistoric West Indies.

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U.S.A.--Great Basin

Day: Saturday, May 2
Hour: 9:30 - 1:00
Room: Sección Educativa

9:30 - 10:00  O'Conell, J. F. (University of California, Berkeley)
              Archaeological Sequence and Settlement Pattern in Surprise Valley, Northeast California.

10:00 - 10:30 Ambro, R. D. (University of California, Berkeley)
               The Surface Archaeology of Ridge Village North.

10:30 - 11:00 Hallinan, P. S. (University of California, Berkeley)

11:00 - 11:30 Glaylow, C. W. Jr. (University of California, Berkeley)
               Preliminary Investigations in Grass Valley, Lander County, Nevada.

11:30 - 12:00 Wollof, K. (University of California, Santa Cruz)
               Shoshone House Types in Grass Valley, Nevada.

12:00 - 12:30 Adovasio, J. (University of Utah)
               The Origin and Development of Western Archaic Textiles.

12:30 - 1:00  Davis, L. D.
               A Study of the Distribution and Stylistic Variations of Figurines within the Fremont Culture Area.
Session No. 4

Day: Saturday, May 2  
Hour: 3:00 - 6:00

Room: Alba-Barrion

3:00 - 3:30  
Davis, L.S. (Montana State University)  
New Obsidian Hydration Rating Controls for the Temperate Region.

3:30 - 4:00  
Purdy, R.A. (University of Florida)  
Thermal Experiments with Silica Minerals.

4:00 - 4:30  
Thomsen, E.G. and Thomsen, H.H. (University of California, Berkeley)  
Engineering Analysis in Archaeology.

4:30 - 5:00  
Castillo, T., N. (I.N.A.H.)  
Tecnologia de Vasiyas en Piedra.

5:00 - 5:30  
Vega, C. (I.N.A.H.)  
Contribucion al Conocimiento de las Hachas de Hoja Simple de Piedra Pulida en el Mexico Prehispanico.

5:30 - 6:00  
Lischka, L.E. (University of Arizona)  
Investigaciones of the Chipped Stone Assemblage from Chauchapa, El Salvador.
Session No. 13: Mexico - Altiplano II

Day: Saturday, May 2
Room: Auditorium

3:00 - 3:30
Stein-McIntyre, V. and Malde, H.E. (U.S. Geological Survey)
Status of Volcanic Ash Chronology at Valsequillo Archaeological Sites, Puebla, Mexico.

3:30 - 4:00
Fowler, M.L. (University of Wisconsin)
Amarucan a Preclassic Site in Puebla, Mexico.

4:00 - 4:30
Mountjoy, J.B. (University of North Carolina)
Man and Land at Sta. Catarina, Cholula, Puebla.

4:30 - 5:00
Peterson, D. (University of the Americas)
A Cholulteca Trash Pit.

5:00 - 5:30
Muller, F. (I.N.A.H.)
Efectos de la Conquista Española sobre la Cerámica Prehispánica de Cholula.

5:30 - 6:00
Mastache, A.G. (I.N.A.H.)
Tejidos Arqueológicos de una Cueva Seca de la Región de Caltepec, Puebla.

6:00 - 6:30
Johnson, I.W. (I.N.A.H.)
A Painted Cloth from Tenancingo, Mexico.

Session No. 15: Mexico - North

Day: Saturday, May 2
Room: Sección Educativa

3:00 - 3:30
Crespo, A.H. (I.N.A.H.)
Artefactos Líticos de un Sitio Rural en la Frontera Norte de Mesoamérica.

3:30 - 4:00
Nance, C.R. (University of Alabama)
Early Components from La Calzada, a Rock Shelter in the Sierra Madre Oriental, Nuevo Leon.

4:00 - 4:30
Kowta, M. (Chico State College)
Perspectives on Southern Baja California Prehistory: Observations from a Reconnaissance in the La Paz Area.

4:30 - 5:00
Wanley, W.W. (University of Arizona)
Past and Present of a Pioneer Padre.
Session No. 18

Day: Saturday, May 2

Room: Sahagún

3:00 - 3:30  
Culbert, T.P. (University of Arizona) 
Sociocultural Integration and the Classic Maya.

3:30 - 4:00  
Fry, R.B. (Purdue University) 
Mesomeric Trading Systems and the Maya Collapse.

4:00 - 4:30  
Rathje, W.L. (Harvard University) 
The Daily Grind.

4:30 - 5:00  
Hellmuth, R.M. (Brown University) 
"Tlalcoc", "Angular-Yearsigns", and other Mexican Motifs in the Late Classic Monumental Sculpture of Piedras Negras, Yaxchilan, and Bonampak.

5:00 - 5:30  
Rauh, J. (American Museum of Natural History) 
The Temporal Array of Mayan Directional Glyphs in the Codices.

5:30 - 6:00  
Ferre, L. (Southern Illinois University) 
Mexican Influence on Certain Elements of Classic Maya Religion.

Session No. 27

Day: Saturday, May 2

Room: Clavijero

3:00 - 3:30  
Davis, E.L. (San Diego Museum of Man) 
Extinct Fauna and Early Man in the Mojave Desert, California.

3:30 - 4:00  
Evans, R.V.C. (San Diego Museum of Man) 
The Relationship of Diegueño Pottery to its Culture.

4:00 - 4:30  
Dixon, K.A. (California State College, Long Beach) 
Obsidian Hydration Measurements, Radiocarbon Dates, and a Possible Early Ceremonial Cache and Burial Complex at a Stratified Site in Southern California.

4:30 - 5:00  
Gerow, B.A. (Stanford University) 
Convergent Trends in Prehistoric California.

5:00 - 5:30  
Toops, P.A. (Western Kentucky University) 
Lenore Village: A Stratified Site on the Clearwater River in Northern Idaho.

5:30 - 6:00  
Leonard, P.F. (Washington State University) 
and Rice, D.G. (University of Idaho) 
A Proposed Culture Typology for the Lower Snake River Region, Southeastern Washington.
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