



SOCIETY FOR AMERICAN ARCHAEOLOGY

PROGRAM
OF THE
59TH ANNUAL
MEETING

April 20-24, 1994 • Disneyland Hotel • Anaheim, California

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New!

Archaeology of the Southeastern U.S.

Paleoindian to World War I

Judith A. Bense

This unique text presents the archaeological story of the Southeastern United States, from 20,000 years ago through World War I. Early chapters feature an overview of the history of archaeology in the Southeast and the development of archaeology as a discipline. The following chapters, arranged in chronological order, highlight the archaeological characteristics for each featured period. The book's final chapters discuss the new directions in Southeastern archaeology, including trends in teaching, research, the business of archaeology, and the public's growing interest. This book is a hands-on guide for those interested in exploring this fascinating subject.

Paperback: \$34.95 (tentative)

ISBN: 0-12-089061-5

\$75.00 (tentative)

ISBN: 0-12-089060-7

July 1994, c. 353 pp.

Practices of Archaeological Stratigraphy

Edited by

Edward C. Harris,
Marley R. Brown III,
and Gregory J. Brown

The 17 essays in this book present a sample of new work demonstrating the strengths and uses of the Harris Matrix, the first ever published collection of papers devoted solely to stratigraphy in archaeology. The crucial relationships between the Harris method, open-area excavation techniques, the interpretation of interfaces, and the use of single-context plans and recording sheets are clarified by references to specific archaeological sites. These sites range from medieval Europe through Mayan civilizations to Colonial Williamsburg, Virginia. This book, a great value to anyone involved in excavating and recording, will ensure that the maximum amount of stratigraphic information is gathered during future archaeological investigations.

1993, 296 pp., \$64.00/ISBN: 0-12-326445-6

UNCOVER THE PAST

Principles of Archaeological Stratigraphy

Second Edition

Edward C. Harris

with a Foreword by

Michael B. Schiffer

This important work provides the fundamentals for most studies in archaeology. The book, first published in 1979, resulted from its author's invention of the Harris Matrix—a method for analyzing and presenting the stratigraphic sequences of archaeological sites. This method is now widely practiced in archaeology worldwide.

The opening chapters of the Second Edition discuss the historical development of archaeological stratigraphy. Central chapters examine laws and basic concepts, and the remaining chapters review methods of recording stratification, constructing stratigraphic sequences, and analyzing stratification and artifacts. The final chapter outlines the modern system for recording stratification on archaeological sites.

Complete with a glossary of stratigraphic terms, this edition is written in a style suitable for students or amateur archaeologists. Even professional archaeologists will gain food for thought from this book's radical ideas.

1989, 170 pp., \$49.00/ISBN: 0-12-326651-3

The Aztecs, Maya, and Their Predecessors

Third Edition

Muriel Porter Weaver

A thorough revision of its highly successful predecessor, the Third Edition examines the Aztec and Maya areas in one volume. It covers the period from the European settling of the New World to the Spanish Conquest of Mexico in 1521. Continuing through the deciphering of Maya hieroglyphs revealing dynastic history, the book concludes with the recent discoveries and excavations at Rio Azul and Naj Tunich in Guatemala; Caracol in Belize; and in Mexico.

1993, 567 pp., \$54.95/ISBN: 0-12-739065-0

Prehistoric Subsistence on the Southern New England Coast

The Record from Narragansett Bay

David J. Bernstein

This book examines long-term trends in prehistoric subsistence in the Narragansett Bay region of Southern New England. The results suggest that, unlike other areas of Eastern North America, specialized agricultural economies did not develop in this region prior to European contact. It also suggests that subsistence intensification was achieved through diversification and cultural modification of the landscape. This book incorporates specific observations and raw data in easy-to-use appendices. It also reviews results and features in usable summary tables and figures. As such, the book is accessible to both the general reader as well as scholars and students interested in consulting the original data for their own research and analysis.

1992, 208 pp., \$55.00/ISBN: 0-12-092870-1

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SAA

SOCIETY FOR AMERICAN ARCHAEOLOGY

Annual Meeting

April 20-24, 1994

Disneyland Hotel—Anaheim, California USA

Program Book

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Meetings

Archaeology

Archaeological Record

Archaeological News

Archaeological Society

PROGRAM

of the

59th Annual Meeting

April 20-24, 1994

Disneyland Hotel—Anaheim, California USA

The REVIEW

The Review of Archaeology publishes comprehensive reviews of basic contemporary literature in archaeology and related sciences. These articles are written by members of the panel of Contributing Editors as well as by distinguished guest reviewers. Their aim is to examine critically the many kinds of records that affect the conduct of archaeology and the interpretation of prehistory.

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GENERAL INFORMATION

Abstracts

Abstracts of all formal presentations at the meeting are published in the SAA Annual Meeting *Abstracts* book and may be purchased, while supplies last, at the On-site Registration Desk (members \$10, nonmembers \$12).

BEACH BASH!

The feel-good finale for the 59th Annual Meeting will be held on Saturday night at Papeete Beach from 7-10 PM. (Reservations requested; cash bar.)

Business Meeting

The Society's annual business meeting and awards presentation will be held at 5 PM on Friday, April 22 in the Center Ballroom.

Child-care Services

KiddieCorp is providing professional child-care services for infants and children (6 months to 12 years of age). Parents who have not already registered for child-care services can check with KiddieCorp for any available space during these shifts: Thursday 1-5 PM; Friday 8 AM to Noon, 1-5 PM, and 6-10 PM; Saturday 8 AM to Noon, and 1-5 PM. The child-care center is located in the Santa Cruz Room.

Convention Office

Any problems or special requests during the meeting should be reported to the Convention Office, which is located in the El Camino Room.

CRM Career Exchange

A panel comprised of employers in cultural resource management will share their perspectives on employment opportunities and employer expectations with, and respond to questions from, individuals interested in exploring a career in CRM. The exchange will be held on Friday morning in the Cerritos room from 9-11 AM.

Employment Service Center

The employment service will be conducted in the Pavilion Lounge on Wednesday from 5-8 PM, Thursday through Saturday from 8 AM to 5 PM, and Sunday from 8 AM to Noon. Positions open or wanted may be listed with the service throughout the meeting. Interview space will be available by reservation, and message forms will be provided and box numbers will be assigned for use in the employment service message center.

Exhibits

Exhibits will be displayed in the South Exhibit Hall from 9 AM to 5 PM on Thursday, Friday, and Saturday.

Membership Services

Information on membership status, services, and benefit programs will be available at the SAA Membership Booth in the exhibit hall. A new line of SAA merchandise—including hats, mugs, and lapel pins—will be available for purchase.

Message and Information Center

A self-service message center and locator file will be open in the South Lounge on Wednesday from 5-8 PM, Thursday through Saturday from 7 AM to 5 PM, and Sunday from 7 AM to Noon. Please check the video monitors at the center to determine if a message has been left for you.

Poster Sessions

Posters will be located in the Center Ballroom on Thursday, April 21.

Press Room

The Press Room is located in the Coronado F Room and will be open Wednesday through Saturday from 9 AM to 6 PM, and Sunday from 9 AM to Noon.

Registration

Registration is required for attendance at all sessions and exhibits. Registration will be open on Wednesday from 5-8 PM, Thursday through Saturday from 7 AM to 3 PM, and Sunday from 7 AM to Noon. Individuals who registered by March 18 should claim their badges and programs at the Advance Registration counters. Individuals who have not registered in advance should report to the On-site Registration counter. *Wearing of the badge is required for admission to all sessions and the exhibits.*

Session Smoking Ban

Smoking during sessions will not be permitted.

Slide Screening Room

A 35mm slide projector and screen will be available in the Mesa Room for presenters who wish to check their slides before presentation. Presenters should provide their own carousels. The room will be open on Wednesday from 5-8 PM, Thursday through Saturday from 8 AM to 5 PM, and Sunday from 8 AM to Noon.

Student and New Member Reception

The Executive Board of the Society will host a reception for students, new members, and members attending their first annual meeting on Wednesday from 9-10 PM in the Garden Room & Terrace.

Symposia and Session Chairs

Please maintain the established schedule scrupulously in fairness to persons planning to attend sessions at specific times to hear particular speakers; please pause for the period allotted in the program if a scheduled speaker fails to appear.

Saturday, April 23, 1994

Excursion to the Burro Flats Rock Art Site

5:30 AM and 9 AM tours are FULL

Motorcoaches will depart at 5:30 AM and 9 AM from the convention shuttle bus area outside Marina Tower

Tour of Laboratories at University of California, Irvine

8:30 AM, 11:30 AM, and 3:30 PM tours are FULL

Vans will depart at 8:30 AM, 11:30 AM, and 3:30 PM from the convention shuttle bus area outside Marina Tower

BEACH BASH!

7-10 PM; Papeete Beach, Disneyland Hotel

No charge; cash bar

SPECIAL ACTIVITIES

EARTMOBILE

Friday from 7:30 AM to 5:30 PM, Saturday from 9 AM to 4 PM

No reservation required

Outdoor near the Convention Center (follow signs), Disneyland Hotel

The Earthmobile, a mobile museum containing an archaeological excavation and laboratory, provides opportunities for scientific enrichment and hands-on discovery to approximately 20,000 third through sixth graders in the Los Angeles School District each year. The Earthmobile appears courtesy of the Natural History Museum of Los Angeles County, and was arranged by the SAA Public Education Committee.

WORKSHOPS

Participation in workshops is by registration only; tickets for participants who registered in advance are included in the registration packet. Workshops that are fully subscribed through advance registration are noted as FULL below. Reservations (and payment, where applicable) for workshops that may still have room available can be made at the On-site Registration Desk. Full descriptions of the workshops can be reviewed at the On-site Registration Desk.

Wednesday, April 20

Rock Art Site Management Workshop

9 AM to 4 PM

Workshop is FULL

GIS Training Workshop

9 AM to 4:30 PM

Workshop is FULL

Thursday, April 21

Programs of the National Endowment for the Humanities

Noon to 1:30 PM; Coronado D Room, Disneyland Hotel

No fee or registration required

Exhibit Development for Archaeologists: A Workshop on Evaluation, Design and Installation

1 to 5:30 PM

Workshop is FULL

Friday, April 22

Archaeology for Educators

4:30 to 7:30 PM (and 8:30 AM to 4:30 PM on Saturday); Avalon A Room, Disneyland Hotel

No fee

SUMMARY SCHEDULE

Room assignments are indicated in bold type.

MONDAY, APRIL 18, 1994

- 8:30 AM Geographic Information Systems in Archaeology Workshop (by registration)—**Santa Rosa**
- 1:00 PM National Park Service National Archeological Database Meeting—**Coronado E**
- 1:00 PM Soil Conservation Service Meeting—**Coronado D**

TUESDAY, APRIL 19, 1994

- 8:00 AM Bureau of Land Management Cultural Heritage Program Leaders (by invitation)—**Yorba**
- 8:00 AM National Park Service National Archeological Database Meeting—**Coronado E**
- 8:00 AM National Park Service Archeology Workshop (by invitation)—**Cerritos**
- 8:00 AM Soil Conservation Service Meeting—**Coronado D**
- 8:00 AM US Army Corps of Engineers Meeting of Preservation Specialists and Cultural Resource Managers—**Pacific**
- 8:30 AM From the Field to the Printed Page: A Writing and Critical-thinking Workshop for Archaeologists (by registration)—**Santa Cruz**
- 8:30 AM Geographic Information Systems in Archaeology Workshop (by registration)—**Santa Rosa**
- 8:30 AM Paleoanthropology Society Annual Meeting (by registration)—**Embassy Southwest**

WEDNESDAY, APRIL 20, 1994

- 8:00 AM Association of Transportation Archeologists Meeting—**Coronado E**
- 8:00 AM Bureau of Land Management Cultural Heritage Program Leaders (by invitation)—**Yorba**
- 8:00 AM National Park Service Archeology Workshop (by invitation)—**Cerritos**
- 8:00 AM SAA Executive Board Meeting — **Garden Room**
- 8:00 AM SAA Public Education Committee Meeting — **Balboa**
- 8:00 AM Soil Conservation Service Meeting—**Villa 14**
- 8:00 AM US Air Force Cultural Resource Managers Meeting—**Avalon A**
- 8:00 AM US Army Corps of Engineers Meeting of Preservation Specialists and Cultural Resource Managers—**Pacific**
- 8:30 AM From the Field to the Printed Page: A Writing and Critical-thinking Workshop for Archaeologists (by registration)—**Santa Cruz**

Wednesday, Continued

- 8:30 AM Paleoanthropology Society Annual Meeting (by registration)—**Embassy Southwest**
- 9:00 AM GIS Training Workshop (by registration)—**Coronado D**
- 9:00 AM National Association of State Archaeologists Annual Meeting—**Santa Catalina**
- 9:00 AM Rock Art Site Management Workshop (by registration)—**Santa Barbara**
- 1:00 PM SAA Meeting Volunteer Orientation—**South Ballroom A**
- 1:30 PM International Association for Obsidian Studies Annual Meeting—**South Ballroom B**
- 2:00 PM Adobe and Stone Conservation Tour at the Getty Conservation Institute (by registration)
- 2:00 PM SAA Government Affairs Committee Meeting—**Avalon B**
- 2:00 PM SAA Task Force on Ethics Meeting—**Villa 15**
- 3:30 PM International Association for Obsidian Studies Workshop on Field and Laboratory Reporting Standards in Obsidian Geochemistry—**South Ballroom B**
- 4:00 PM American Society for Conservation Archaeology Annual Business Meeting—**Yorba**
- 4:00 PM Intersociety Public Education Working Group—**Avalon C**
- 4:30 PM Collections Management Tour at The Bowers Museum of Cultural Art (by reservation)
- 5:00 PM Federal Preservation Forum Board Meeting—**Santa Barbara**
- 5:30 PM SAA Publications Committee Meeting—**Olympic**
- 6:00 PM SAA Advertiser and Exhibitor Reception (by invitation)
- 6:00 PM SAA Sponsored Forum: Straight from the Horse's Mouth: Francis P. McManamon Answers Your NAGPRA Questions—**North Ballroom**
- 9:00 PM SAA Student and New Member Reception (reservations requested)—**Garden Room and Terrace**

THURSDAY, APRIL 21, 1994

- 8:00 AM SAA Committee on the Status of Women in Archaeology Meeting—**Regency**
- 8:00 AM Society of Professional Archeologists Board Meeting (by invitation)—**Avalon B**
- 8:40 AM SAA Sponsored Forum: Dare to Dominate a Domineering Dissertation—**Marina 4**
- 9:00 AM SAA Finance Committee Meeting—**Villa 14**
- 9:30 AM SAA Public Relations Committee Meeting—**Avalon C**
- 10:00 AM SAA Task Force on Latin America—**Regency**
- 11:30 AM Collections Management Tour at The Bowers Museum of Cultural Art (by reservation)
- 11:30 AM SAA Presidents Advisory Board (by invitation) — **Avalon A**
- 12:00 PM Programs of the National Endowment for the Humanities—**Coronado D**

Thursday, Continued

12:00 PM Society for Phytolith Research Board Meeting (by invitation)—Avalon C
12:00 PM Society of Professional Archeologists Annual Meeting—Pacific
1:00 PM Exhibit Development for Archaeologists: A Workshop on Evaluation, Design, and Installation (by reservation)—Balboa
1:00 PM SAA Sponsored Forum: Protecting the Archaeological Resources of the Hemisphere—Marina 1
1:00 PM Society of Professional Archeologists Board Meeting (by invitation)—Avalon B
2:00 PM Archaeobotany Round-table Discussion—Serrano
2:30 PM Foundation for American Archaeology Board Meeting—President's Suite
4:30 PM Collections Management Tour at The Bowers Museum of Cultural Art (by reservation)
5:00 PM SAA Sponsored Forum: Principles of Archaeological Ethics—Marina 3
5:00 PM Society for Phytolith Research Annual Business Meeting—Avalon C
6:30 PM SAA Cash Bar Reception—Center Ballroom
7:30 PM SAA Plenary Symposium—Center Ballroom
8:45 PM SAA Committee Reception (by invitation) — President's Suite
8:45 PM SOPA Cash Bar Reception—Marina 2

FRIDAY, APRIL 22, 1994

7:30 AM Earthmobile Display—Outdoor, Convention Center
8:00 AM American Anthropological Association Archaeology Division Executive Committee Meeting (by invitation)—Avalon A
8:00 AM SAA *Latin American Antiquity* Editorial Board Meeting—Avalon B
8:00 AM SAA Membership Committee Meeting—Avalon C
8:20 AM SAA Sponsored Symposium: Making the Grade: Evaluating Archaeology Education Programs—South Ballroom B
9:00 AM SAA CRM Career Exchange—Cerritos
9:00 AM SAA Committee on the History of Archaeology Meeting—Santa Catalina
9:00 AM SAA National Historic Landmarks Committee Meeting—Coronado E
10:00 AM SAA “Save the Past for the Future” Conference Planning Committee Meeting—Avalon B
11:30 AM Collections Management Tour at The Bowers Museum of Cultural Art (by reservation)
12:00 PM Round-table Luncheon: Issues for Women as Professionals in Archaeology (by registration)—Balboa and Pacific
12:00 PM Society for Archaeological Sciences Executive Board Meeting (by invitation) —Alamitos
1:00 PM Fryxell Symposium: Bone Chemistry and Human Diet: Recent Advances, Recent Retreats—Marina 2
4:30 PM Archaeology for Educators Workshop (by reservation) — Avalon A

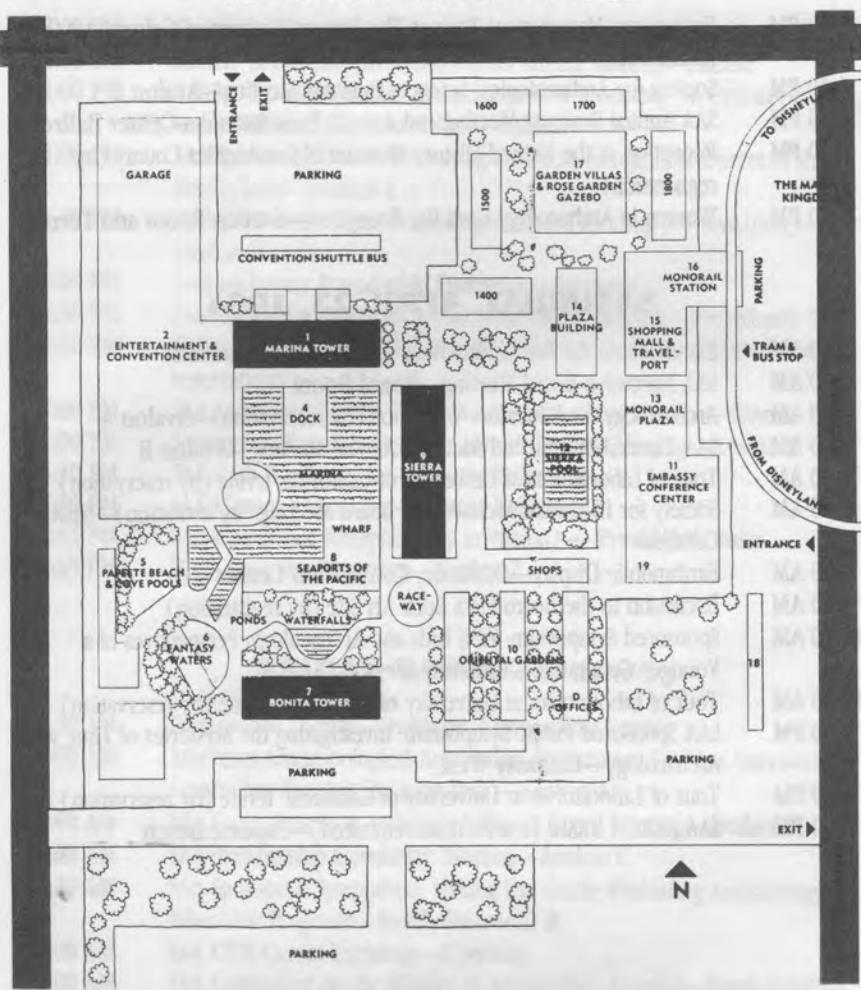
Friday, Continued

4:30 PM Collections Management Tour at The Bowers Museum of Cultural Art (by reservation)
4:30 PM Society for Archaeological Sciences Business Meeting—Avalon B
4:30 PM SAA Annual Business Meeting and Awards Presentations—Center Ballroom
6:30 PM Reception at the Natural History Museum of Los Angeles County (by registration)
8:30 PM Women in Archaeology Cash Bar Reception—Garden Room and Terrace

SATURDAY, APRIL 23, 1994

5:30 AM Excursion to the Burro Flats Rock Art Site (by registration)
8:00 AM SAA Executive Board Meeting—Board Room
8:30 AM Archaeology for Educators Workshop (by reservation)—Avalon A
8:30 AM SAA Council of Affiliated Societies Annual Meeting—Avalon B
8:30 AM Tour of Laboratories at University of California, Irvine (by reservation)
8:45 AM Society for Historical Archaeology Board Meeting (by invitation)—Santa Catalina
9:00 AM Earthmobile Display—Outdoor, Convention Center
9:00 AM Excursion to the Burro Flats Rock Art Site (by registration)
10:00 AM Sponsored Symposium: ZiNj Kids and Archaeology: Perspectives of a Younger Generation—Embassy West
11:30 AM Tour of Laboratories at University of California, Irvine (by reservation)
1:00 PM SAA Sponsored Public Symposium: Investigating the Mysteries of Time with Archaeology—Embassy West
3:30 PM Tour of Laboratories at University of California, Irvine (by reservation)
7:00 PM SAA BEACH BASH! (reservations requested)—Papeete Beach

HOTEL DIRECTORY



CONVENTION & BANQUET FACILITIES

- 2 Entertainment & Convention Center
- 7 Bonita Tower (Ground Floor)
- 9 Sierra Tower (Ground Floor)
- 11 Embassy Conference Center (Second Floor)
- 17 Garden Villas/Rose Garden Gazebo

RESTAURANTS, BARS & ENTERTAINMENT

- 1 Marina Tower
- 2 Entertainment & Convention Center
- 6 Fantasy Waters
- 8 Seaports of the Pacific
- 13 Neon Cactus
- 14 Plaza Building

RECREATION

- 3 Tenniland
- 4 Marina Dock
- 5 Papete Beach & Cove Pools
- 8 Seaports of the Pacific
- 12 Sierra Pool & Spa/Sierra Gardens
- 14 Team Mickey's Workout

SHOPPING

- 1 Marina Tower
- 2 Entertainment & Convention Center
- 8 Seaports of the Pacific
- 10 Oriental Gardens
- 14 Plaza Building
- 15 Shopping Mall
- 19 Art Gallery

SERVICES

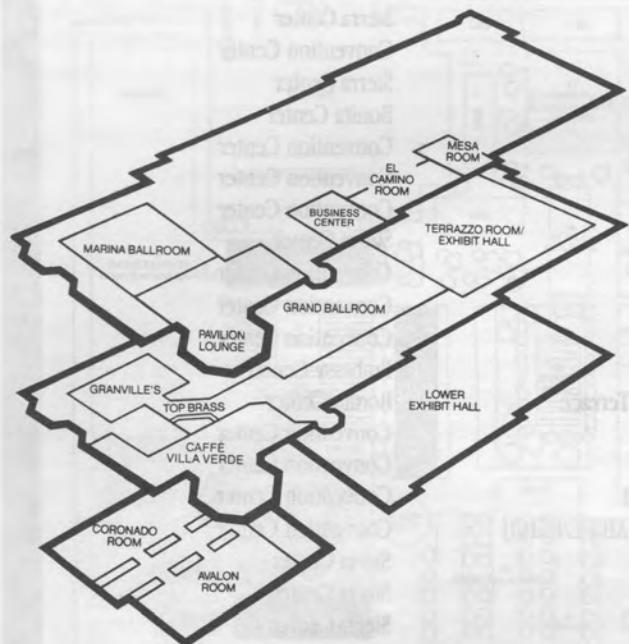
- 1 Marina Tower
- 2 Entertainment & Convention Center
- 9 Sierra Tower
- 10 Oriental Gardens
- 13 Monorail Plaza
- 14 Plaza Building
- 15 Travelport
- 16 Monorail Station
- 18 Airport Bus Terminal

MEETING ROOM DIRECTORY

Alamitos	Sierra Center
Avalon A/B/C	Convention Center
Balboa	Sierra Center
Board Room	Bonita Center
Business Center	Convention Center
Center Ballroom	Convention Center
Center Lounge	Convention Center
Cerritos	Sierra Center
Concessions	Convention Center
Coronado D/E/F	Convention Center
El Camino	Convention Center
Embassy Ballroom	Embassy Center
Garden Room and Terrace	Bonita Center
Marina 1/2/3/4	Convention Center
Mesa	Convention Center
North Ballroom A/B	Convention Center
North Exhibit Hall AB/DE/FGH/IJ	Convention Center
Olympic	Sierra Center
Orange	Sierra Center
Pacific	Sierra Center
Pavilion	Convention Center
Regency	Sierra Center
San Clemente	Bonita Center
Santa Barbara	Bonita Center
Santa Catalina	Bonita Center
Santa Cruz	Bonita Center
Santa Rosa	Bonita Center
Serrano	Sierra Center
Sierra	Sierra Center
South Ballroom A/B	Convention Center
South Exhibit Hall	Convention Center
South Lounge	Convention Center
Villa	Garden Villas
Yorba	Sierra Center

See diagrams of Convention Center, Embassy Center, Bonita Center, and Sierra Center on following pages.

ENTERTAINMENT AND CONVENTION CENTER



Upper
Level

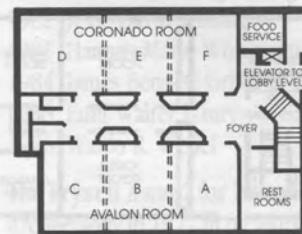
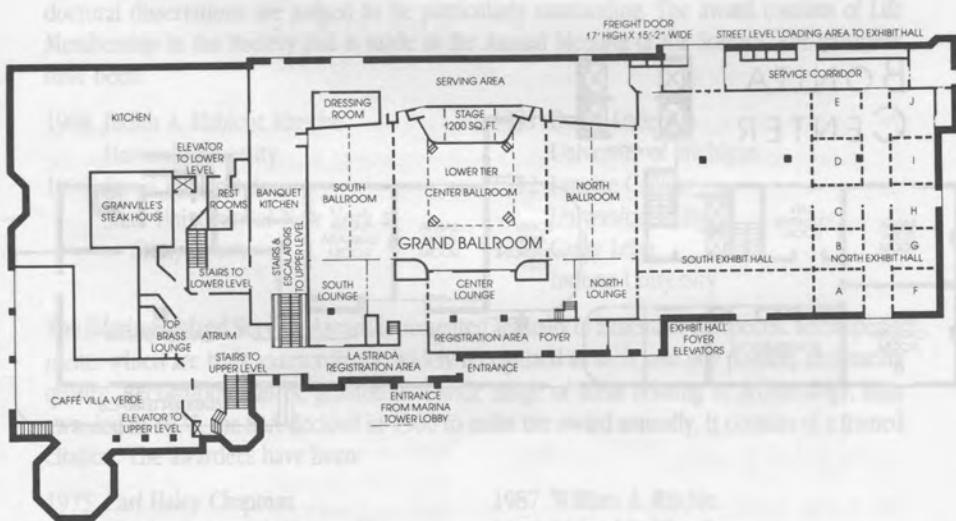
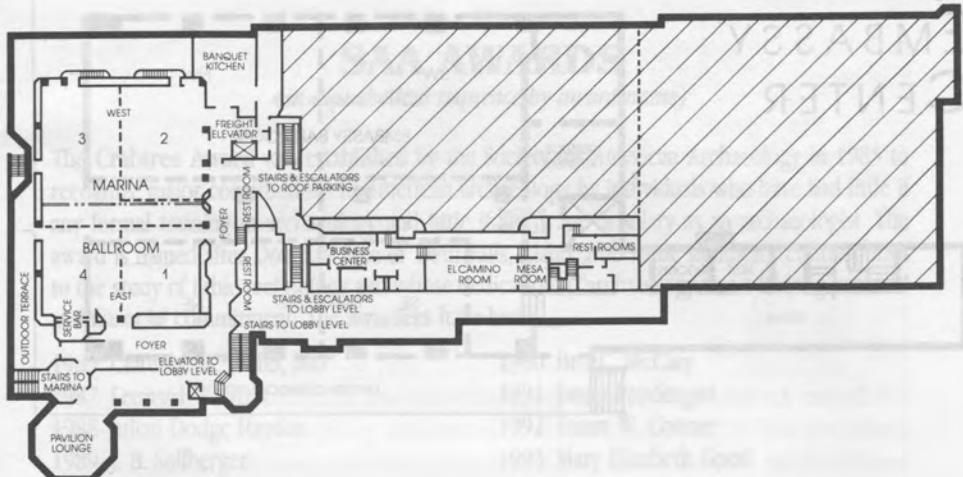
Marina Ballroom
Pavilion Lounge
Business Center
El Camino Room
Mesa Room

Lobby Level

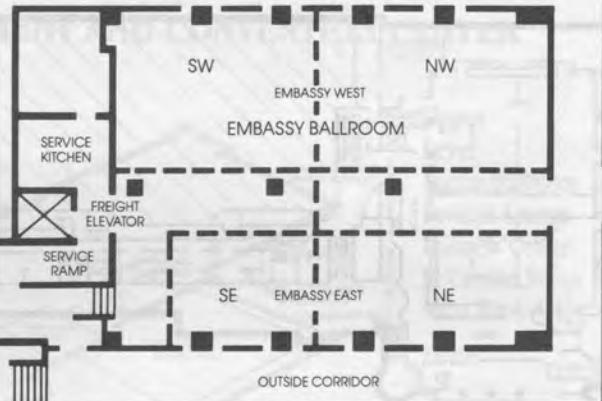
South Ballroom
Center Ballroom
North Ballroom
South Exhibit Hall
North Exhibit Hall
Concessions

Lower Level

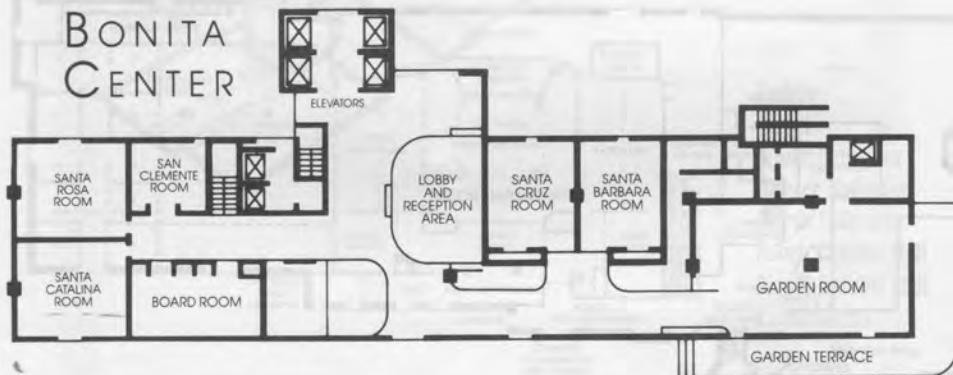
Coronado Room
Avalon Room



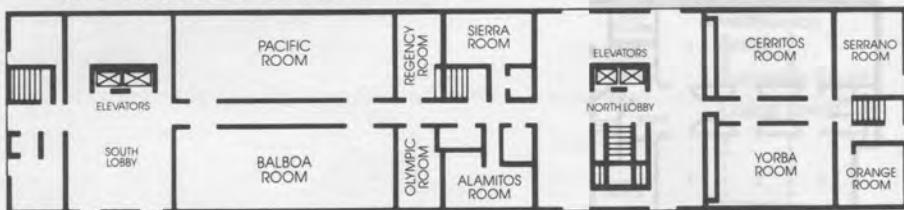
EMBASSY CENTER



BONITA CENTER



SIERRA CENTER



SAA AWARDS

(in alphabetical sequence by award name)

The **Crabtree Award** was established by the Society for American Archaeology in 1985 to recognize major contributions to American archaeology by individuals who have had little if any formal training in archaeology and little if any wage or salary as an archaeologist. The award is named after Don Crabtree of Twin Falls, Idaho, who made significant contributions to the study of lithic technology and whose dedication to archaeology was a lifelong personal and financial commitment. The awardees have been:

- | | |
|---------------------------|--------------------------|
| 1985 Clarence H. Webb, MD | 1990 Ben C. McCary |
| 1987 Leonard W. Blake | 1991 James Pendergast |
| 1988 Julian Dodge Hayden | 1992 Stuart W. Conner |
| 1989 J. B. Sollberger | 1993 Mary Elizabeth Good |

The **Dissertation Award** is presented to archaeologists just entering the profession whose doctoral dissertations are judged to be particularly outstanding. The award consists of Life Membership in the Society and is made at the Annual Meeting of the Society. The awardees have been:

- | | |
|--|--|
| 1988 Judith A. Habicht Mauche
Harvard University | 1991 David Anderson
University of Michigan |
| 1990 David J. Bernstein
State University of New York at Stony Brook | 1992 Lynette C. Norr
University of Illinois |
| | 1993 Cathy Lebo
Indiana University |

The **Distinguished Service Award** is presented annually to a member for specific accomplishments which are truly extraordinary, widely recognized as such, and of a positive and lasting quality. Recognition can be granted in a wide range of areas relating to archaeology. First awarded in 1975, the SAA decided in 1980 to make the award annually. It consists of a framed citation. The awardees have been:

- | | |
|--|---|
| 1975 Carl Haley Chapman
Charles Robert McGimsey III | 1987 William A. Ritchie |
| 1980 Gordon Randolph Willey | 1988 Richard B. Woodbury
Nathalie F. S. Woodbury |
| 1981 Albert Clanton Spaulding | 1989 George Irving Quimby |
| 1982 Jesse David Jennings | 1990 Fred Wendorf |
| 1983 Hannah Marie Wormington | 1991 Douglas Schwartz |
| 1984 James Bennett Griffin | 1992 John E. Yellen |
| 1985 Emil Walter Haury | 1993 George J. Gumerman |
| 1986 Waldo R. Wedel | |

The **Fryxell Award for Interdisciplinary Research** was set up by the Society for American Archaeology in 1977 in memory of Roald Fryxell, whose career exemplified so well the crucial role of interdisciplinary cooperation in archaeology. The award, consisting of a citation and a

medallion, was to be presented annually; however, no award was made in 1984. The awardees have been:

1978 C. Vance Haynes	1986 Donald K. Grayson
1979 Peter J. Mehringer	1987 Richard I. Ford
1980 James B. Griffin	1988 David M. Hopkins
1981 Karl W. Butzer	1989 Joseph B. Lambert
1982 David J. Baerreis	1990 Patty Jo Watson
1983 John E. Guilday (posthumously)	1991 Paula Parmalee
1984 (No award)	1992 Richard Yarnell
1985 Roger T. Saucier	1993 Herbert E. Wright Jr.

The **Poster Award** is presented to promote interest and acceptance of the poster in the dissemination of archaeological research, to increase the quality of poster presentations, and to acknowledge the very best accomplishments in this valuable medium. The award is given in two categories: student and professional/non-student. Initiated at the 58th annual meeting in 1993, the awardees have been:

1993 Cynthia Herhahn (Student)
Virginia Butler & James Chatters (Professional/non-student)

The **Presidential Recognition Award**, instituted in 1990, is determined by the president of the Society, in consultation with members of the executive board. This award allows the Society to recognize individuals who have provided extraordinary services to the Society and the profession in the past year. The awardees have been:

1990 Jerome A. Miller	1991 David Hurst Thomas
Nathalie F. S. Woodbury	1992 Mark Leone
1991 Lynne Goldstein	1993 Jerald Milanich
Rachael Hamilton	Daniel G. Roberts
Keith Kintigh	Bruce D. Smith
Loretta Neumann	Vincas P. Steponaitis
Kathleen Reinburg	

The **Public Service Award** was begun in 1983 to recognize the important contributions of non-archaeologists to the protection and preservation of cultural resources. It is presented to public figures, regardless of political affiliation, who have taken a lead or made a major contribution to preserving the past. The awardees have been:

1983 Senator Spark M. Matsasanaga	1989 Senator Peter V. Domenici
Representative Donald J. Pease	1990 Representative Morris K. Udall
1984 Senator James A. McClure	1991 Secretary of the Interior
Speaker James C. Wright Jr.	Manuel Lujan Jr.
1986 Secretary of the Interior Donald P. Hodel	1992 The Archaeological Conservancy
1987 Representative John F. Seiberling	1993 Constance Werner Ramirez
1988 Representative Charles E. Bennett	

ANNUAL MEETING SITES

Meeting	Place	Date
1st	Andover, Massachusetts	December, 1935
2nd	Washington, DC	December, 1936
3rd	Milwaukee, Wisconsin	May, 1938
4th	Ann Arbor, Michigan	May, 1939
5th	Indianapolis, Indiana	April, 1940
6th	Minneapolis, Minnesota	May, 1941
7th	Cincinnati, Ohio	May, 1942
8th	Because of travel difficulties and other wartime restrictions, the business of the annual meeting in 1943 was conducted by mail by the Executive Committee, whose actions were approved at the next annual meeting.	
9th	Washington, DC	May, 1944
10th	Washington, DC	May, 1945
11th	Indianapolis, Indiana	May, 1946
12th	Ann Arbor, Michigan	May, 1947
13th	Milwaukee, Wisconsin	May, 1948
14th	Bloomington, Indiana	May, 1949
15th	Norman, Oklahoma	May, 1950
16th	Evanston, Illinois	May, 1951
17th	Columbus, Ohio	May, 1952
18th	Urbana, Illinois	May, 1953
19th	Albany, New York	May, 1954
20th	Bloomington, Indiana	May, 1955
21st	Lincoln, Nebraska	May, 1956
22nd	Madison, Wisconsin	May, 1957
23rd	Norman, Oklahoma	May, 1958
24th	Salt Lake City, Utah	May, 1959
25th	New Haven, Connecticut	May, 1960
26th	Columbus, Ohio	May, 1961
27th	Tucson, Arizona	May, 1962
28th	Boulder, Colorado	May, 1963
29th	Chapel Hill, North Carolina	May, 1964
30th	Urbana, Illinois	May, 1965
31st	Reno, Nevada	May, 1966
32nd	Ann Arbor, Michigan	May, 1967
33rd	Santa Fe, New Mexico	May, 1968
34th	Milwaukee, Wisconsin	May, 1969
35th	Mexico City, Mexico	May, 1970

Meeting	Place	Date
36th	Norman, Oklahoma	May, 1971
37th	Bal Harbour, Florida	May, 1972
38th	San Francisco, California	May, 1973
39th	Washington, DC	May, 1974
40th	Dallas, Texas	May, 1975
41st	St. Louis, Missouri	May, 1976
42nd	New Orleans, Louisiana	April, 1977
43rd	Tucson, Arizona	May, 1978
44th	Vancouver, British Columbia, Canada	April, 1979
45th	Philadelphia, Pennsylvania	May, 1980
46th	San Diego, California	April-May, 1981
47th	Minneapolis, Minnesota	April, 1982
48th	Pittsburgh, Pennsylvania	April, 1983
49th	Portland, Oregon	April, 1984
50th	Denver, Colorado	May, 1985
51st	New Orleans, Louisiana	April, 1986
52nd	Toronto, Ontario, Canada	May, 1987
53rd	Phoenix, Arizona	April, 1988
54th	Atlanta, Georgia	April, 1989
55th	Las Vegas, Nevada	April, 1990
56th	New Orleans, Louisiana	April, 1991
57th	Pittsburgh, Pennsylvania	April, 1992
58th	St. Louis, Missouri	April, 1993
59th	Anaheim, California	April, 1994

MINNEAPOLIS IN 1996!

Plan now to attend the Society's 60th Annual Meeting to be held at the Minneapolis Hilton and Towers, Minneapolis, Minnesota, May 3-7, 1995. Guidelines for contributors who wish to submit papers, posters, or workshops for consideration will be mailed to all members in May, 1994 and will be available upon request from the SAA office.

PAST PRESIDENTS OF THE SAA

(* Deceased)

A. C. Parker*	1935-36	Erik K. Reed	1960-61
Diamond Jeness*	1936-37	Junius Bird*	1961-62
A. V. Kidder*	1937-38	David A. Baerreis*	1962-63
Edgar B. Howard*	1938-39	James A. Ford*	1963-64
Neil Judd*	1939-40	Albert C. Spaulding*	1964-65
W. C. McKern*	1940-41	Paul S. Martin*	1965-66
Glenn Black*	1941-42	Joe B. Wheat	1966-67
Nels C. Nelson*	1942-43	Gordon R. Willey	1967-68
Emil W. Haury*	1943-44	H. Marie Wormington	1968-69
J. Alden Mason*	1944-45	Ignacio Bernal	1969-70
Carl E. Guthe*	1945-46	Robert Lister*	1970-71
Frederick Johnson	1946-47	Richard S. MacNeish	1971-72
Douglas S. Byers*	1947-48	Charles C. DiPeso*	1972-73
Waldo R. Wedel	1948-49	Douglas W. Schwartz	1973-74
J. O. Brew*	1949-50	Charles R. McGimsey III	1974-75
Frank Roberts Jr.*	1950-51	Stuart Struever	1975-76
James B. Griffin	1951-52	Raymond H. Thompson	1976-77
Irving Rouse	1952-53	Cynthia Irwin-Williams*	1977-79
Gordon F. Ekholm*	1953-54	Fred Wendorff	1979-81
Robert Wauchope*	1954-55	Richard E. W. Adams	1981-83
W. Duncan Strong*	1955-56	George C. Frison	1983-85
William A. Ritchie	1956-57	Don Fowler	1985-87
George I. Quimby Jr.	1957-58	Dena Dincauze	1987-89
Richard B. Woodbury	1958-59	Jeremy Sabloff	1989-91
Jesse D. Jennings	1959-60	Prudence Rice	1991-93

A NOTE ABOUT PROGRAM ORGANIZATION

FROM THE PROGRAM CHAIR

When reading through the program you will notice that the different programs are divided into several categories. To help explain these categories I have prepared some background information on each. The presentations that make up the bulk of the program fall within four categories: Forum, Session, Symposium, and Workshop. Any of these categories may be "Sponsored" and/or "Invited."

Those that are Sponsored have the support of an organization outside the SAA or one of the special SAA committees, such as the Student Affairs Committee. Also included here is the Fryxell Symposium. If sponsored by an official SAA committee, presenters are exempt from the usual review process and the "three role maximum" rule that normally restricts the number of times an individual may appear on the program.

The designation of Invited is given by the Program Chair to reflect a special status and role within the overall meetings. Invited presentations are labeled as such, except for the Plenary Symposium. At the discretion of the Program Chair Invited sessions may be exempt from the usual review process and the "three role maximum" rule.

Some Definitions

Forum: An interactive format organized around a tightly focused theme. Formal presentations are kept to a minimum to encourage discussion between panel members and audience.

Session: Consists of Posters, Contributed Papers (20 minutes), and Research Reports (10 minutes), each submitted individually by their authors. Session presentations are grouped together by the Program Chair around a particular theme, usually geographical or methodological. Session Chairs are designated by the Program Chair.

Symposium: Generally, a group of twenty minute presentations on a well-defined theme submitted together by an organizer. The organizer may or may not also chair the symposium. Also includes poster presentations submitted as a group and organized around a single theme.

Workshop: An instructional format designed to convey a specific set of skills or ideas. Only those Workshops officially sponsored by a committee of the SAA are included in the body of the program.

PROGRAM

WEDNESDAY EVENING APRIL 20, 1994

- [1] Sponsored Forum: *STRAIGHT FROM THE HORSE'S MOUTH: FRANCIS P. McMANAMON ANSWERS YOUR NAGPRA QUESTIONS* (SAA Task Force on Repatriation)
Room: North Ballroom
Organizers and Chairpersons: Lynne Goldstein and Keith Kintigh
Time: 6:00–7:20
Participant: Francis P. McManamon
- [2] Invited Symposium: *HUMAN EVOLUTION: INTERACTION OF BIOLOGY AND BEHAVIOR*
Room: North Ballroom
Organizer and Chairperson: John Yellen
Participants:
7:30 Nick Toth; Deciphering the Early Stone Age: Searching for Actualistic Rosetta Stones
7:50 Goeffrey A. Clark; Conceptual Issues Bearing on Modern Human Origins in the Levant and Western Asia
8:10 Steven L. Kuhn and Mary C. Stiner; Behavioral Ecology and Human Origins Research
8:30 Richard G. Milo; Hominid Meat Procurement at Klasies River Mouth: Preliminary Results of a Microscopic Study
8:50 Margaret Conkey; Coming to Terms with Symbolism: Re-visioning Late Pleistocene Archaeology

THURSDAY MORNING APRIL 21, 1994

- [3] Invited and Sponsored Symposium: *ARCHAEOLOGY IN THE TWENTY-FIRST CENTURY* (American Society for Conservation Archaeology)
Room: Marina 2
Organizers: William J. Mayer-Oakes and Daniel N. Pagano
Chairperson: William Lipe
Participants:
8:00 Francis P. McManamon; Challenges Facing Archaeologists in the 21st Century
8:20 Respondent to McManamon: John Montgomery
8:40 Daniel Pagano; Comprehensive Systems Design of the Archaeological Community
9:00 Respondent to Pagano: William J. Mayer-Oakes
9:20 Elizabeth Snow; Archaeological Resource Management: Strategies for the 21st Century
9:40 Respondent to Snow: Charles C. Kolb
10:00 Peter V. Addyman; British Archaeology, 1944–2044: The Past as a Guide to the Future

- 10:20 Respondent to Addyman: Peter J. Fowler
 10:40 Discussant: Robert C. Dunnell
 11:00 Discussant: Flora S. Kaplan
 11:20 Discussant: Brona G. Simon
 11:40 Discussant: William Lipe

[4] **Symposium: THE ORIGINS OF SETTLED VILLAGE LIFE IN SOUTHWESTERN ASIA:
*THE VIEW FROM EASTERN ANATOLIA***

Room: North Ballroom B
Organizer: Gil Stein
Chairperson: Michael Rosenberg
Participants:

- 9:00 Michael Rosenberg; Hallan Çemi and Late 11th Millennium Settled Village Life along the Taurus-Zagros Flanks
 9:20 Richard W. Redding; The Origin of Food Production in Anatolia: A Test of "Foreign" Ideas
 9:40 Mark Nesbitt; New Archaeological Evidence for Pre-agrarian Diet and Environment in Northern Iraq and Southeast Turkey
 10:00 Break
 10:20 Harald Hauptmann; Nevalı Çori
 10:40 Isabella Caneva; Early Settlement Sites of the Eastern Taurus: A Contribution from the Areas of Çayönü and Mersin
 11:00 Mehmet Özdogan; The Formation of Neolithic Cultures in Eastern Anatolia
 11:20 Discussant: Mary Voigt

[5] **Symposium: THE YALAHU REGIONAL HUMAN ECOLOGY PROJECT: ANCIENT MAYA POLITICAL STRUCTURE AND RESOURCE MANAGEMENT IN THE NORTHERN LOWLANDS**

Room: North Exhibit Hall F, G, and H
Organizers and Chairpersons: Scott L. Fedick and Karl A. Taube
Participants:

- 9:00 Scott L. Fedick and Karl A. Taube; The View from Yalahau: A New Perspective on the Northern Maya Lowlands
 9:20 Karl A. Taube; The Megalithic Style of the Northern Maya Lowlands: The Monumental Architecture of Naranjal and Tres Lagunas, Quintana Roo
 9:40 Dawn M. Reid; Sacbeob (Roadways) and Interaction in the Northern Maya Lowlands: Initial Investigations in the Yalahau Region.
 10:00 Break
 10:20 Kevin Hovey and Scott L. Fedick; Ancient Maya Settlement in the Yalahau Region of Northern Quintana Roo
 10:40 Susan Winzler; Water Resources and Ancient Maya Wells of Northern Quintana Roo
 11:00 Jennifer P. Mathews; The Box Ni Group of Naranjal, Quintana Roo, and Early Architecture of the Central Maya Lowlands
 11:20 Karl Lorenzen; Late Postclassic Reuse of Classic Monumental Architecture at Naranjal, Quintana Roo, Mexico
 11:40 Discussant: William Ringle

[6] **Symposium: PREHISTORIC LONG-DISTANCE INTERACTION IN OCEANIA**

Room: North Exhibit Hall A and B
Organizer and Chairperson: Marshall I. Weisler
Participants:

- 8:20 Marshall I. Weisler; Long-Distance Interaction in Prehistoric Polynesia
 8:40 Patrick Kirch; Lapita Exchange: The Evidence from Lithic Materials Other than Obsidian
 9:00 William S. Ayers and Gordon G. Goles; Geochemical Characterization of Lithic Materials in Micronesia
 9:20 Jeffrey T. Clark and Elizabeth Wright; Interactions Within and beyond the Samoan Archipelago: Evidence from Basalt and Volcanic Glass Geochemistry
 9:40 Melinda S. Allen and Kevin Johnson; Patterns of Interaction in the Southern Cook Islands
 10:00 Break
 10:20 Peter Sheppard, Richard Walter, and Robin Parker; Lithic Raw Material Sourcing in the Southern Cook Islands
 10:40 Barry V. Rolett, Eric Conte, and Erik Pearcey; Patterns and Processes of Prehistoric Marquesan Voyaging
 11:00 Discussant: Roger C. Green
 11:20 Discussant: Terry Hunt

[7] **General Session: LOWLAND SOUTHWEST DEVELOPMENT AND INTERACTION**

Room: Marina 1
Chairperson: Barbara Roth
Participants:

- 8:00 Richard Ciolek-Torrello and Stephanie M. Whittlesey; The Development of Formative Culture in Southern Arizona
 8:20 Thomas N. Motsinger and Mary-Ellen Walsh-Anduze; Socioeconomic Mutualism and Ceramic Production in the Gila Butte-Snaketown Region, Southern Arizona
 8:40 Barbara Roth; Sedentary Period Hohokam Occupation of Nonriverine Environments in the Tucson Basin
 9:00 Cory Breternitz, Michael S. Foster, and Christine K. Robinson; Hohokam Regional Exchange during the Classic Period as Viewed from Pueblo Grande
 9:20 David E. Doyel; Production and Exchange of Obsidian Artifacts from the Gatlin Site, Southern Arizona
 9:40 William H. Doelle and Henry Wallace; Regional Variation in the Platform Mounds of Central and Southern Arizona: Comparisons beyond the Phoenix Basin
 10:00 Break
 10:20 Paul Minnis and Michael E. Whalen; Ballcourts of Chihuahua
 10:40 John E. Douglas; The Western Edge of the Casas Grandes Region: Piecing Together Ecology, Power, and Social Boundaries
 11:00 Maria O'Donovan and Randall H. McGuire; The Activity Structure of Cerro de Trincheras
 11:20 John Carpenter; The Cahitan Connection: Modeling Mesoamerican Interaction in the Gran Chichimeca

[8] **Symposium: POSTCLASSIC XALTOCAN: ECOLOGICAL AND SOCIAL DETERMINANTS OF PRODUCTION IN THE NORTHERN BASIN OF MEXICO**

Room: North Ballroom A

Organizer and Chairperson: Elizabeth M. Brumfiel

Participants:

- 8:00 Elizabeth M. Brumfiel; Introduction
- 8:20 Christopher M. Stevenson and Thomas L. Jackson; Estimation of Hydration Rates from Chemical Composition: A Case Example from Xaltocan, Mexico
- 8:40 Charles D. Frederick; Geoarchaeological Investigations in the Northern Basin of Mexico
- 9:00 Emily McClung de Tapia, Judith Zurita-Noguera, and Emilio Ibarra-Morales; Paleoethnobotanical Evidence for Postclassic Plant Use and Environmental Conditions from Xaltocan, Mexico
- 9:20 Laura L. Roush; Fish Processing at Xaltocan: An Ethnoarchaeological Study
- 9:40 Frederic Hicks; Late Prehispanic Xaltocan and Its External Relations
- 10:00 Susan Chimonas; The Occupational History of Prehispanic Xaltocan, Mexico
- 10:20 Claudia Espejel; Domestic Structures at Xaltocan, Mexico
- 10:40 David Schafer; Above or Below Ground Research Designs? Examining the Obsidian Industry at Xaltocan
- 11:00 Mary G. Hodge and Hector Neff; Ceramic Production, Trade, and Political Relations in Postclassic Xaltocan
- 11:20 Discussant: Deborah Nichols
- 11:40 Discussant: Jeffrey R. Parsons

[9] **General Session: ARCHAEOLOGY IN AFRICA, EUROPE AND THE MIDDLE EAST**

Room: South Ballroom A

Chairperson: Glenn Stone

Participants:

- 8:00 Heather Price; Context and Variability in Upper Paleolithic Visual Imagery: Preliminary Findings
- 8:10 Francis B. Harrold, Karl M. Petruso, and Brooks B. Ellwood; Archaeological Research at Konispol Cave, Albania
- 8:20 Joe Stevenson; Preliminary Archaeological Investigation of a Central African Tropical Forest Cave: Mbuya Rapids Cave, Central African Republic
- 8:30 Glenn Stone, T.J. Wilkinson, and M.J. Mortimore; Refuse Scatter and Agricultural Intensification: An Ethnoarchaeological Example from Kano, Nigeria
- 8:40 Jane Peterson; Social Investigations into the Forager/Farmer Transition: Sexual Divisions of Labor in the Levant
- 8:50 Norman Whalen; Pleistocene Sites in Southern Yemen

[10] **General Session: LATIN AMERICAN ARCHAEOLOGY**

Room: South Ballroom A

Chairperson: Margaret Bruchez

Participants:

- 9:20 Vicki Feddema; Early Formative Subsistence and Agriculture on the Pacific Coast of Chiapas, Mexico
- 9:30 Timothy Hare; Lapidary Craft Specialists at Otumba: The Organization of Craft Production in Late Aztec Mexico

- 9:40 Michael E. Smith and Cynthia Heath-Smith; Excavations of Aztec Houses at Yautepec, Morelos, Mexico

- 9:50 Horacio Tapia-Recillas and Emily McClung de Tapia; New Approaches to the Study of Environmental Factors in Regional Settlement Patterns in the Teotihuacan Valley, Mexico

10:00 Break

- 10:20 Diane K. Hanson; Environmental Information from Shellfish at Monserrate, Puerto Rico

- 10:30 Margaret Bruchez and Michelle Woodward; Preliminary Results of Surface Surveys, Department of Sololá, Southern Maya Highlands, Guatemala

- 10:40 Patricia Cook; Lower Level Elite Specialization at Chau Hiix

- 10:50 James Garber; Excavations at the Ceremonial Center of Ontario Village, Belize: Results of the 1993 Field Season

- 11:00 Debra Walker, Kathryn Reese-Taylor, and Beverly Mitchum; Cerros Revisited: Results of the 1993 Excavations

- 11:10 Joanne Pillsbury; Recent Fieldwork at Chan Chan, Peru

- 11:20 Shelia Pozorski and Thomas Pozorski; The Sechin Alto Complex: The Variations and Interrelationships of Early Monumental Architecture

[11] **Symposium: THE SOCIOPOLITICAL ORGANIZATION OF HUNTER-GATHERERS IN CALIFORNIA: A CONSIDERATION OF NATIVE AND EUROPEAN ENCOUNTERS**

Room: Marina 3

Organizer and Chairperson: Kent G. Lightfoot

Participants:

- 8:00 Kent G. Lightfoot; The Sociopolitical Organization of Hunter-Gatherers in California: Issues of Concern

- 8:20 Glenn J. Farris; From Epidemics to Academics, Changes in Northern California Indian Socio-Geographic Organization during the Past Three Centuries

- 8:40 Lynn Gamble; The Effects of Spanish Colonization on Chumash Sociopolitical Organization

- 9:00 John R. Johnson; Chumash Sociopolitical Organization during the Late Eighteenth and Early Nineteenth Centuries

- 9:20 Randall T. Milliken; Multi-Village, Multi-Family Polities of the San Francisco Bay Area

- 9:40 Joseph Chartkoff; Exchange Systems and Sociopolitical Complexity in the Central Sierras: The Impact of Coastal Colonization on Inland Communities

10:00 Break

- 10:20 Ann M. Schiff; Native/Russian Encounters at Fort Ross, California in (World-Systems) Perspective

- 10:40 Antoinette Martinez; Sociopolitical Influences on Gender Roles in the North Coast Region of California

- 11:00 Thomas A. Wake; Effects of European Contact on Native American Foodways at Colony Ross, California

- 11:20 John Holson; Measuring the Effects of Acculturation in the Archaeological Record: Three Case Studies

- 11:40 David Fredrickson, Greg White, and Michael Love; Resource Administration and the Development of Complex Hunter-Gatherers in the North Coast Ranges, California

- [12] **Symposium: THE SOCIAL AND POLITICAL CONTEXTS OF CRAFT TECHNOLOGY**
 Room: South Ballroom B
 Organizer and Chairperson: Cathy Costin
Participants:
- 8:00 Marcia-Anne Dobres; Engendering the Magdalenian: Interpreting Osseous Technological Variability in the Pyrénées
 - 8:20 Miriam T. Stark; Specialized Technology in Social Context: The Potters' Craft in a Kalinga Village
 - 8:40 Barbara Mills; Shifting Social and Political Contexts and the Technology of Ceramic Production in the Zuni Area
 - 9:00 Christopher R. Hoffman; Making Metal, Making Culture: The Copper and Bronze Age in Mallorca, Spain
 - 9:20 Robert M. Ehrenreich; Craft Specialization within a Heterarchical Social Structure: A Metallurgical Perspective
 - 9:40 S. Terry Childs; Hammering Out the Socio-Political Dynamics of Iron-Working in Central Africa
 - 10:00 Lisa Lucero; Ceramic Function, Technology, and Labor Investment: Factors Reflecting Social and Political Conditions
 - 10:20 Kirsten Olson, Anabel Ford, and Michael Glascock; Regional Exchange and Local Distribution: The Management and Meaning of Maya Obsidian in the Belize River Area
 - 10:40 Melissa Hagstrum; Commoner and Craft: The Domestic Context of the Pyrotechnologies in the Inka Empire
 - 11:00 Cathy Costin; Weaving Technology in the Domestic and Political Economies
 - 11:20 Rita P. Wright; Technology and Diffusion: Problems Encountered by an American Near Paris
 - 11:40 Discussant: Antonio Gilman
- [13] **Sponsored Forum: DARE TO DOMINATE A DOMINEERING DISSERTATION (SAA Student Affairs Committee)**
 Room: Marina 4
 Organizer and Chairperson: Alicia L. Wise
Participants:
- 8:40 Alicia L. Wise; Introduction
 - 8:45 Margaret Conkey
 - 8:50 Janet E. Levy
 - 8:55 Bernard Wailes
 - 9:00 Jeremy Sabloff
 - 9:05 Discussion
- [14] **Symposium: BEYOND STATE COLLAPSE: CASE STUDIES IN THE AMERICAS**
 Room: Marina 4
 Organizer and Chairperson: Gray Graffam
Participants:
- 10:00 Laura Finsten; Core-Boundary Transformations at Monte Alban's Margin
 - 10:20 Elizabeth Graham; The Maya Collapse—Chaos and Continuum
 - 10:40 William Isbell; Kingship to Kinship: Huari and the Rise of the *Ayllu*
 - 11:00 Charles Stanish; The Lake Titicaca Basin: Late-Intermediate-Period Organization from a Settlement Perspective

- 11:20 Gray Graffam; Beyond Collapse: A View from the Tiwanaku Heartland
 11:40 Discussant: Richard Diehl
- [15] **General Session: NORTHERN AND WESTERN SOUTH AMERICAN ARCHAEOLOGY**
 Room: North Exhibit Hall D and E
 Chairperson: Karen Stothert
Participants:
- 8:20 John Greer and Mavis Greer; Anthropomorphs in Pictographs of Southern Venezuela
 - 8:40 Maria Masucci; Temper, Pots, and Interregional Trade in Southwest Ecuador
 - 9:00 Karen Stothert; Patterns of Production and Exchange Viewed from the Colonche Hills of Southwest Ecuador
 - 9:20 David Fleming and Monica Barnes; Are the Puquios of Nazca Prehistoric?
 - 9:40 Richard Burger; Initial Period Copper Metallurgy on the Central Coast of Peru
 - 10:00 Break
 - 10:20 David Brown; Town Planning in Inka Provincial Administration at Pumpu, Central Peruvian Highlands
 - 10:40 Heidy Fogel; Gallinazo Settlement Patterns: Some Possible Social and Political Implications
 - 11:00 Izumi Shimada and Adriana Maguiña; A New Vision of the Gallinazo Culture and Its Relationship to the Moche Culture
 - 11:20 Daniel Arsenault; The "Sacred Female Weaver" in a Moche Sacrificial Context: A Reappraisal of Some Images of Human Sacrifice in Moche Iconography
- [16] **Symposium: LITHIC RAW MATERIAL ECONOMY IN LATE GLACIAL AND EARLY POSTGLACIAL WESTERN EUROPE**
 Room: North Exhibit Hall I and J
 Organizer and Chairperson: Lynn Fisher
Participants:
- 8:20 Harald Floss; Climate and Raw Material Behavior: A Case Study from Late Pleistocene Hunter-Gatherers of the Middle Rhine Area of Germany
 - 8:40 Helle Juel Jensen and Berit V. Eriksen; Fossil Mollusks and Exotic Raw Materials in Late Glacial and Early Postglacial Find Contexts: A Complement to Lithic Studies
 - 9:00 Lynn Fisher; Hunter-Gatherer Mobility and Models of Lithic Resource Procurement: A Case Study from the Upper Danube Basin
 - 9:20 Michèle Julien, Pierre Bodu, and Boris Valentin; Flint Economy in Some Late Paleolithic Settlements of the Paris Basin (France)
 - 9:40 Yvette Taborin and Monique Olive; Lithic and Shell Raw Material Acquisition at Etiolles and Comparison with Other Groups
 - 10:00 Break
 - 10:20 Nuno Bicho; Lithic Raw Material Economy and Hunter-Gatherer Mobility in the Late Glacial and Early Postglacial in Portuguese Prehistory
 - 10:40 Paul Thacker; Raw Material Procurement, Lithic Technology, and Settlement Patterns: Applying Models of Hunter-Gatherer Systems to the Upper Paleolithic of Portugal
 - 11:00 Discussant: Robert L. Kelly
 - 11:20 Discussant: Randall White

[17] **Poster Session: WINNING POSTERS FROM 1993**

Room: Center Ballroom

Time: 8:30–12:30

Participants:

Virginia L. Butler and James C. Chatters; On the Importance of Bone Density in Structuring Prehistoric Salmon Bone Assemblages

Cynthia L. Herhahn; Fourteenth Century Agricultural Diversity in the Northern Rio Grande Valley, New Mexico

[18] **Poster Symposium: THE ARCHAEOLOGY OF WEST POINT, SEATTLE, WASHINGTON: 4,500 YEARS OF LAND USE IN SOUTHERN PUGET SOUND**

Room: Center Ballroom

Time: 8:30–12:30

Organizers: Dennis E. Lewarch and Laura S. Phillips

Participants:

Paul Solimano and Paula G. Johnson; An Overview of the METRO West Point Archaeology Project

Dennis E. Lewarch; The West Point Chronology: A 4,500 Year Land Use Sequence

Laura S. Phillips and Lynn L. Larson; West Point Subsistence Organization: Insights from Botanical, Fish Bone, and Shellfish Studies

Pamela J. Ford; Quakes and Clams: Geological Events and Archaeological Realities

R.Lee Lyman; The West Point Terrestrial and Marine Mammal Faunal Assemblage: Patterns and Comparisons with Other Puget Sound Archaeofaunas

Eric W. Bangs and Dennis E. Lewarch; Spatial and Temporal Organization of Lithic Manufacturing and Tool Use at West Point

Lynn L. Larson; Results of the West Point Project Evaluated in Regional and Ethnographic Contexts

[19] **Poster Session: ARCHAEOLOGICAL METHOD AND THEORY**

Room: Center Ballroom

Time: 8:30–12:30

Participants:

Ellen Bell and Patricia Urban; Constructing an Image: Figurine, Whistle, and Ocarina Manufacture in the Naco Valley, NW Honduras, and Its Political Implications

Richard J. Dent and Harry Schuckel; Developing an Integrated Archaeological Information System: The American University Experiment

Stephen L. Black, Kevin Jolly, and Daniel R. Potter; The Higgins Experiment: An Electronic Approach to Excavation Data Management

Stephen E. Nash; Tree-Ring Data and the History of Archaeological Investigation: A Comparative Case Study

Alanah J. Woody; Rock Art and the Social Order: Examples from the Great Basin

Tamara L. Bray, Javier Urcid, and Gary P. Aronsen; Complex Issues in the Determination of the Cultural Affiliation of Human Remains

Jay Newman; Source Distance Effects on Lithic Reduction Technology

James Foradas; Normative Mineral Compositions as a Means of Distinguishing between Midwestern Cherts (Flints) Used by Scioto Hopewell

Patrick McCutcheon and José A. Afonso; Quantifying the Mechanical Behavior of Chert from the Central Mississippi River Valley and Southeast Iberia, Spain

Michael D. Glascock, Martin Giess, Richard L. Burger, and Ernesto Salazar; South American Obsidian Studies at the Missouri University Research Reactor

Eric Blinman, Clint Swink, Lawrence R. Sitney, David S. Phillips, and Joel M. Brisbin; The Firing of Anasazi Pottery

Mary C. Stiner, Stephen Weiner, Ofer Bar-Yosef, and Steven L. Kuhn; Differential Burning, Recrystallization, and Fragmentation of Archaeological Bone

Julia Sanchez; Pocket Gopher Deciduous Teeth: Distinguishing Intrusive Remains at Archaeological Sites

Karen R. Adams, Joe D. Stewart, and Christopher Pierce; Determining the Taxonomic Identity of Trees and Shrubs Present in Prehistoric Hearth Ash Via ICP-AES Analysis Katherine Bradford; Ecological Succession in Kelp Forest Communities and Implications for Interpreting the Archaeological Record

Conrad Erkelens; Low Altitude Aerial Photographs from Rocket Launched Cameras

Apostolos Sarris; Magnetic Susceptibility Surveying in Ancient Mantinea, Greece

John W. Hohmann; Architectural Insights from Stabilization Programs

Peter Bullock; Is Old Always Historic? The Glencoe Incinerator Site

[20] **Poster Session: MIDDLE EASTERN AND EUROPEAN PALEOLITHIC TECHNOLOGY**

Room: Center Ballroom

Time: 8:30–12:30

Participants:

Shannon McPherron; A Reduction Model to Account for Morphological Variability in Lower Paleolithic Bifaces

Agnes Lamotte; Middle Pleistocene Biface Industries from Northern Europe: The Behavioral Significance of Some Specialized Assemblages

Steven Kuhn; Middle and Early Paleolithic Technological Variability at Riparo Mochi (Liguria, Italy)

John Lindly; A Technological Study of Levantine Mousterian Assemblages

Nancy Coinman; Worked Bone in the Levantine Upper Paleolithic: Rare Examples from the Wadi Hasa, Jordan

[21] **Workshop: EXHIBIT DEVELOPMENT FOR ARCHAEOLOGISTS—A WORKSHOP ON EVALUATION, DESIGN, AND INSTALLATION (SAA Public Education Committee)**

Room: Balboa

Organizer: Nan McNutt

Time: 1:00–5:30

[22] **Symposium: BIOARCHAEOLOGY OF THE CHINCHORRO PEOPLE**

Room: North Exhibit Hall A and B

Organizers: Bernardo T. Arriaza and Vicki Cassman

Chairperson: Bernardo T. Arriaza

Participants:

1:20 Vicki Cassman and Bernardo T. Arriaza; Toward a Definition of Chinchorro

1:40 Bernardo T. Arriaza; Chinchorro Black Period: Seriation and Social Complexity

2:00 Arthur C. Aufderheide and Marvin Allison; Bioanthropological Studies of Spontaneously Mummified Bodies of Late Phase Chinchorro Site (Morro 1–6) in Northern Chile

- 2:20 Karl Reinhard and John Dendy; Diet and Disease among the Chinchorro: Coprolite Evidence
 2:40 Marvin J. Allison; Problems Related with Pregnancy and Parturition in Early Inhabitants of Peru and Chile
 3:00 Break
 3:20 Karen Wise; Chinchorro Mortuary Practices and Settlement in South Coastal Peru
 3:40 Discussant: John Verano
- [23] Symposium: *SURFACE ARCHAEOLOGICAL DATA AND THEIR INFERENTIAL POTENTIAL*

Room: North Exhibit Hall F, G, and H

Organizer and Chairperson: Alan Sullivan

Participants:

- 1:20 Luann Wandsnider; Landscape Architecture and the Character of Surface Archaeological Deposits: Insights from a Contemporary Indian Pastoral Landscape
 1:40 William Dancey; The Value of Surface Archaeological Data in Exploring the Dynamics of Community Evolution in the Middle Ohio Valley
 2:00 James Bayman; The Role of Site Surface Data in Interpreting a Hohokam Platform Mound Community Center
 2:20 Rebecca A. Hawkins; Expectations and Inferences: Plowzone Assemblages in the Ohio Valley
 2:40 Michael P. Smyth; Surface Archaeology, Site Organization, and Sayil: New Methods for Studying Maya Communities
 3:00 Break
 3:20 Christian Downum; The Reliability of Surface Artifact Assemblages as Predictors of Subsurface Remains: A Case Study from Southern Arizona
 3:40 Alan Simmons; Surface Fragments, Buried Hippos
 4:00 Robert P. Connolly and Sue Ellen Kozarek; Middle Woodland Earthworks Economics, Technology and Settlement: Evidence from Surface Collections
 4:20 Anthony Tolonen and Alan Sullivan; Diversity Measures and Surface Assemblages
 4:40 Discussant: Joseph Tainter

- [24] Symposium: *THE DYNAMICS OF CULTURAL DEVELOPMENT IN EASTERN ANATOLIA: INTER-REGIONAL RELATIONS AND SECONDARY STATE FORMATION*

Room: North Ballroom B

Organizer: Michael Rosenberg

Chairperson: Gil Stein

Participants:

- 1:00 Aslihan Yener; Metallurgical Innovation and Transformation in Highland Anatolia (4500–3000 B.C.): A View from the Frontier
 1:20 Ufuk Esin; The Provincial Ubaid Culture of Değirmençepe (Malatya, Eastern Turkey)
 1:40 Gil Stein; Ethnicity, Exchange, and Emulation: Mesopotamian-Anatolian Interaction at Hacinebi, Turkey
 2:00 Naomi Miller; Late Chalcolithic Archaeobotanical Evidence for Environmental Constraints and "Foreign" Influence in Southeastern Anatolia.
 2:20 Marcella Frangipane; The Rise of a Local Center at Arslantepe-Malatya and the Dynamics of Early State Development in the Late Uruk Period
 2:40 Guillermo Algaze; Early Bronze Age State Formation in Southeastern Anatolia
 3:00 Break

- 3:20 Patricia Wattenmaker; Urbanism in Upper Mesopotamia: Perspectives from Southeastern Turkey
 3:40 Bruce Verhaaren; The Effects of Urban Decline on a Small Settlement: A View from the Periphery
 4:00 Tony J. Wilkinson; Settlement and Urbanization in Southeast Anatolia During the Early Bronze Age: A Regional Perspective
 4:20 Mitchell Rothman; The View from the Highland Border Lands
 4:40 Discussant: Frank S. Hole

- [25] Sponsored Symposium: *METHOD AND THEORY IN PHYTOLITH ANALYSIS (Society for Phytolith Research)*

Room: North Exhibit Hall I and J

Organizer and Chairperson: Elizabeth J. Lawlor

Participants:

- 1:00 Terry B. Ball, Michael D. Standing, and Wilford M. Hess; 3-D Microscopy and Image Analysis of Phytoliths
 1:20 Zhijun Zhao and Deborah M. Pearsall; Using Multivariate Analysis Techniques to Search for Diagnostic Phytoliths
 1:40 Deborah M. Pearsall, Dolores R. Piperno, and Robert A. Benfer, Jr.; Identifying Crops through Phytolith Analysis
 2:00 Marsha S. Baenziger and Tom Dillehay; Methods for Identifying Opal Phytoliths: Monte Verde, a Case Study of Panicoids
 2:20 Lisa Kealhofer; Phytoliths and the Paleoenvironment of Central Thailand
 2:40 Alix Powers-Jones; Phytoliths: A Process-Driven Approach?
 3:00 Elizabeth J. Lawlor; Site-Formation Processes Affecting Phytolith Deposits in the Mojave Desert
 3:20 Hope Jahren, N. Toth, K. Shick, J.D. Clark, and R.G. Amundson; Phytolith and Other Residue on Stone Tool Surfaces: Experimental Results from Bamboo and Bone Processing
 3:40 Robert G. Thompson and Susan C. Mulholland; Opal Phytolith Analysis Provides a Method for Tracing the Use of Pottery Vessels to Prepare Corn
 4:00 Judith Zurita-Noguera and Emily McClung de Tapia; Identification of Carbonized and Mineralized Agave Fiber Remains from Terremote-Tlatenco, Teotihuacan and Tlatelolco
 4:20 Susan J. Pennington; Towards the Routine Integration of Phytoliths into Paleoethnobotanical Research
 4:40 Susan C. Mulholland; The Status of Method and Theory in Phytolith Analysis

- [26] Symposium: *ASSESSING THE IMPLICATIONS OF PLATFORM MOUNDS FROM THE PERSPECTIVE OF SEVEN CASE STUDIES*

Room: Marina 3

Organizer and Chairperson: Owen Lindauer

Participants:

- 1:20 Douglas B. Craig and Jeffery J. Clark; The Meddler Point Platform Mound Complex: Functional and Social Considerations
 1:40 Mark D. Elson; The Pyramid Point Platform Mound: Integration in the Tonto Basin
 2:00 Owen Lindauer; Small Scale Integration and Differentiation at the Bass Point Platform Mound

- 2:20 Paul R. Fish and James M. Bayman; The Social Correlates of Production, Consumption, and Exchange at the Marana Mound Site
- 2:40 David Jacobs and Glen Rice; Labor Investments and Room Function at the Cline Terrace Mound
- 3:00 Break
- 3:20 Todd W. Bostwick and Christian E. Downum; Pueblo Grande: A Case Study in Hohokam Socio-Political Organization
- 3:40 Jerry B. Howard and Charles Glass; Social and Behavioral Implications of Platform Mound Architecture: The Mesa Grande Case Study
- 4:00 Discussant: David Gregory
- 4:20 Discussant: Charles L. Redman
- [27] **Symposium: EVOLUTIONARY THEORY IN ANGLO/AMERICAN ARCHAEOLOGY**
Room: Marina 4
Organizers and Chairpersons: C. Michael Barton and Geoffrey A. Clark
Participants:
1:20 C. Michael Barton and Geoffrey A. Clark; Introduction
1:40 Michael O'Brien; The Historical Development of an Evolutionary Archaeology
2:00 David Rindos; Modeling Colonization: Adaptation, Variability, and Cultural Change in America and Sahul
2:20 Jelmer Eerkens and Robert Bettinger; Variation in Great Basin Projectile Points
2:40 James L. Boone; Is it Evolution Yet? A Critique of Selectionist Programs in Archaeology
3:00 Break
3:20 James O'Connell and Kristen Hawkes; Behavioral Ecology, Archaeology and Evolution
3:40 Michael Jochim; Chance and Context in Evolutionary Change
4:00 Steven S. Mithen; Evolutionary Psychology and Prehistoric Archaeology
4:20 Discussant: Robert C. Dunnell
4:40 Discussant: C. Loring Brace
- [28] **Sponsored Forum: PROTECTING THE ARCHAEOLOGICAL RESOURCES OF THE HEMISPHERE (SAA Task Force on Latin America and National Park Service)**
Room: Marina 1
Organizer and Chairperson: Robert D. Drennan
Time: 1:00–4:00
- [29] **Symposium: THE MAYA LOWLANDS: PAN-MESOAMERICAN CONTACTS IN THE POST-TEOTIHUACAN ERA**
Room: South Ballroom A
Organizers: Susan Kepecs and Sylviane Boucher
Chairperson: Susan Kepecs
Participants:
1:00 Kate Howe; Pan-Mesoamerican Imagery in the Post-Teotihuacan Era
1:20 Sandra López Varela; The Late and Terminal Classic at Yaxchilán and Pomóná: A Macroregional Perspective on Ceramics and Social Reorganization
1:40 Edward Schortman and Patricia Urban; Thoughts on the Periphery: The Ideological Consequences of Core-Periphery Relations
2:00 Rafael Cobos; Chichén Itzá and Southeastern Mesoamerica between AD 900—AD 1200: A View from El Salvador

- 2:20 Sylviane Boucher; The Implications of Elite Ceramics: Correspondences between Chichén Itzá and Tula
- 2:40 Susan Kepecs; Northeast Yucatán and the Aztecs: The Mesoamerican World Perspective on the Eve of the Spanish Conquest
- 3:00 Rani Alexander; Archaeology on the Colonial Frontier: The Spanish World System as Viewed from Its Yucatecan Periphery
- 3:20 Discussant: Gary Fienman
- [30] **General Session: NORTHERN AND EASTERN NORTH AMERICAN ARCHAEOLOGY**
Room: South Ballroom A
Chairperson: Anne Pike-Tay
Participants:
4:00 Charles Holmes and Richard VanderHoek; Swan Point: A Multicomponent Site in the Tanana Valley, Central Alaska
4:10 Anne Pike-Tay and Randall White; Archaeological Seasonality and Prey Demography: Contributions from Dental Annuli Analysis of the Kaminuriak Control Sample
4:20 Farid Rahemtulla; Technological Organization Strategies in the Early Period at Namu, on the Central Coast of British Columbia
4:30 Mary T. Bonhage-Freund; The Etowah Site (9BR1): A Paleoethnobotanical Analysis of Wilbanks Phase Corn-Cob Features
4:40 Jeffrey M. Mitchem; Ongoing Mississippian Excavations at the Parkin Site in Northeast Arkansas
- [31] **General Session: CENTRAL AND WEST MEXICO ARCHAEOLOGY**
Room: North Ballroom A
Chairperson: Geoffrey G. McCafferty
Participants:
1:20 Geoffrey G. McCafferty and Sergio S. Cruz; Cholula and Teotihuacan in the Early Classic Period: Recent Investigations at the Transito Site (R106)
1:40 Gabriela Urunuela, Patricia Plunket, Gilda Hernandez, and Juan Albaitero; Bi-Conical God Figurines and the Codices of the Borgia Group
2:00 Patricia Plunket and Gabriela Urunuela; In Search of the Temple of Quetzalcoatl: Cholula's Sacred Precinct
2:20 Sharrisse D. McCafferty and Geoffrey G. McCafferty; Tlachihualtepetl: The Great Pyramid of Cholula as Sacred Landscape
2:40 Martin Biskowski; Socioeconomic Differentiation in Maize-Grinding at Teotihuacan
3:00 Break
3:20 Mary R. Hopkins; Scale of Production and Product Standardization in Teotihuacan Cooking Pots
3:40 Oralía Cabrera; Lapidary Artifact Production at Teotihuacan
4:00 Annabeth Headrick; Animals Caught in the Net: Evidence of Nagualism and Shamanism in the Art of Teotihuacan
4:20 Christopher Beekman; A Classic Period Political Boundary in the Sierra La Primavera Region, Jalisco, Mexico
4:40 Michael Foster; The Marismas Nacionales Burials: Death, Society, and World View in Coastal West Mexico

[32] **Symposium: NEW INSIGHTS INTO SOCIAL COMPLEXITY IN LOWER CENTRAL AMERICA: THE RIVAS SITE AND ITS NEIGHBORS**

Room: North Exhibit Hall D and E

Organizer and Chairperson: Jeffrey Quilter

Participants:

- 1:00 Laraine Fletcher and Silvia Salgado; Macro Regional Relations Between Nicaragua and the Southern Periphery of Mesoamerica, 300–800 A.D.
- 1:20 Ellen Hardy; Petroglyphs of Orosi Volcano: Graphic Representations of Prehispanic Social Organization, Ideology, and Religious Beliefs
- 1:40 Ifigenia Quintanilla; Chronology, Settlement Patterns, and Subsistence in the Sierpe-Terraba Delta, Costa Rica
- 2:00 Francisco Corrales U.; Curré: Establishment and Development of an Agricultural Community in Southern Costa Rica
- 2:20 Robert P. Drolet; Sitio Murciélagos: A Late Period Agricultural Village in Southern Costa Rica
- 2:40 Jeffrey Quilter; The Rivas Site Project, 1992–1994
- 3:00 Lawrence Conyers; Geoarchaeological Investigations of the Rivas Site, Costa Rica
- 3:20 Christopher B. Raymond and R. Jeffrey Frost; Stone Tools and Associated Materials at the Rivas Site
- 3:40 Aida Blanco V.; Analysis of Plant Remains from the Rivas Site
- 4:00 John Hoopes; Contributions of Non-Agricultural Subsistence Strategies to the Formation of Complex Societies in Coastal Zones of Southern Costa Rica
- 4:20 Discussant: Richard G. Cooke
- 4:40 Discussant: Frederick W. Lange
- 5:00 Discussant: Michael J. Snarskis

[33] **Symposium: THE SOCIO-ECONOMIC DIMENSIONS OF PROCESSING IMPLEMENTS AND GROUND TOOLS: A SYMPOSIUM IN HONOR OF RICHARD B. WOODBURY**

Room: South Ballroom B

Organizers and Chairpersons: Joan S. Schneider and Lee Frott

Participants:

- 1:00 Lee Frott; The Rocky Road of Ground Stone Analysis in the American Southwest: A Historical Perspective
- 1:20 Katherine I. Wright; Ground Stone Assemblage Variations and the Origins of Agriculture in the Near East
- 1:40 Joan S. Schneider; An Economic Perspective on the Organization of Production at Aboriginal Milling-Implement Quarry Sites
- 2:00 Patricia M. Masters; Mortars and Marine Procurement in San Diego County, California
- 2:20 Jefferson W. Haney; Bedrock Mortars as a Reflection of Trans-Sierra Social and Economic Interaction
- 2:40 Mari A. Pritchard-Parker and John Torres; Can Economic and Social Behavior Associated with Milling Equipment Be Determined from the Analysis of Anomalous Debitage?
- 3:00 Raymond Mauldin and Jeff D. Leach; Grinding Assemblages and Economic Patterns: An Example from the American Southwest
- 3:20 Signa Larralde and Sarah H. Schlanger; Anasazi Axes from the La Plata Valley: Manufacture, Use, and Discard

- 3:40 Dawn M. Greenwald; Tabular Knives: Techno-morphological Variation Within a Tool Class

- 4:00 Sarah H. Schlanger; Food Processing, Mealing Rooms, and the Organization of Prehistoric Society in the American Southwest

- 4:20 Discussant: Jenny L. Adams

- 4:40 Discussant: Tammy Stone

[34] **Symposium: PREHISTORY'S CHILDREN AND CHILDREN'S PREHISTORIES**

Room: Marina 2

Organizers and Chairpersons: Blythe E. Roveland and H. Martin Wobst

Participants:

- 1:00 Sheila C. Brennan, Blythe E. Roveland, and H. Martin Wobst; Prehistory's Children and Children's Prehistories
- 1:20 Alice B. Kehoe; What Was A Child?
- 1:40 Kathleen M. Bolen; Changing Perspectives: Societal Construction through Children
- 2:00 Ralph M. Rowlett; Early La Tene East Marnian Children
- 2:20 Rosemary A. Joyce; Looking for Children in Prehispanic Mesoamerica
- 2:40 Warren T.D. Barbour; Childhood's Legacy: The Inheritors of Urban Civilization
- 3:00 Break
- 3:20 Anne C. Zeller; Primate Children as Models for Archaeological Investigations
- 3:40 Blythe E. Roveland; Imagining Paleolithic Children through Fiction
- 4:00 Mary Ann Levine and Barrett P. Brenton; The Presentation of Paleoindians in Juvenile Literature
- 4:20 Roy R. Larick; Children Learning Prehistory in Contemporary France
- 4:40 Discussion

[35] **Poster Session: ARCHAEOLOGY OF NORTHERN AND EASTERN NORTH AMERICA**

Room: Center Ballroom

Time: 1:30–5:30

Participants:

Lucy L. Johnson; An Aleut Residence on Chernabura Island, Alaska

Mark S. Cassell, Albert A. Dekin, Jr., James Ebert, Eileen Camilli, and Janet Kerley; The Exxon Valdez Oil Spill Archaeological Damage Assessment Project

Ann Bennett-Rogers, John Fagan, and Anthony Farqué; From Quarry to Cache—Obsidian Procurement in the Central Cascades of Oregon

R. Scott Byram and Mark Tveskov; Wood Stake Fishing Weir Sites on the Oregon Coast
Brinnen Carter; The Earliest Holocene Record on the Page/Ladson Site (8JE591), Aucilla River, Florida

Diane Warren; Cutmarks Suggest Mortuary Defleshing at Baldhill Site (32-BA-1), an Early Ceramic Period Mound Group in North Dakota

Paul R. Nickens, Lawson Smith, and Maureen Corcoran; Procedures for Implementing Long-Term Site Protection and Preservation in the Columbia River Basin

Karen Chambers and James R. Purdue; Genetics of Past Populations: The Analysis of mtDNA from Archaeological Bison

Frank Schambach; A Probable Spiroan Entrepot in the Red River Valley in Northeast Texas
Jonathan Bowen; Notched Butterfly Bannerstone Distributions

Diana M. Greenlee; Documenting Subsistence Variability in the Ohio River Valley, A.D. 400–1650

- Anne F. Rogers and Jane L. Brown; Range and Variability in Historic Artifacts from the Peachtree Mound and Village Site (31CE1)
- [36] **Poster Session: LANDSCAPES, SETTLEMENTS, AND TRADE**
Room: Center Ballroom
Time: 1:30–5:30
Participants:
 - D. Craig Young, Jr.; Locational Models: Settlement Pattern Change in Warner Valley, Oregon
 - Laurel M. Cooper; Spatial Syntax of Chacoan "Great Houses"
 - Robert Stokes; A Critical Look at Mimbres-Mogollon Settlement Patterning: The Sapillo Valley Survey Project, 1993
 - Elizabeth Miksa and James Heidke; Extending Pointcount Data to the "Real World" of Ceramic Temper Identification
 - Carol Morrow and Mary R. McCorvie; Geographic Corridors: Multilayered Conduits of Exploration, Conquest, Settlement, and Transportation
 - George R. Milner and James S. Oliver; A GIS Assessment of Late Prehistoric Landscapes and Settlements in the Central Mississippi River Valley
 - Bruce F. Benz and Karen Laitner Benz; Additions to the Tuxcacuesco Ceramic Complex in Southern Jalisco
 - Barbara A. Hall; Spindle Whorls and the Cotton Trade in Middle Classic Mesoamerica: Perspectives from the Gulf Coast
 - Katharina J. Schreiber; The Emergence of Sociopolitical Complexity in Nasca, Peru: Settlement Pattern Evidence
 - Jean Hudson; Intrasite Spatial Analysis: Ethnoarchaeological Data from Aka Foragers
 - Laura L. Junker; The Political Economy of A.D. 500–1500 Philippine Chiefdoms
 - Mark W. Allen; Pa and Power: Chiefdoms and Hillforts in Hawke's Bay, New Zealand
- [37] **Poster Session: AMERICAN SOUTHWEST AND GREAT BASIN ARCHAEOLOGY**
Room: Center Ballroom
Time: 1:30–5:30
Participants:
 - William Zukosky; Archaeology of the Eastern Great Basin: The Kern River Gas Transmission Line Project
 - Robert Jones and Harold Drollinger; Distribution of Lithic Material on Pahute Mesa, Southwest Great Basin
 - Diane L. Winslow and Susan R. Edwards; Cordage and Ceramics from Pahute Mesa: Examining Prehistoric Technology in the Southern Great Basin
 - David Rhode; Obsidian Studies at Yucca Mountain, Nevada: Sourcing and Regional Chronology Development
 - Philippe LeTourneau; Recent Investigations at the Antelope Wells Obsidian Source, Animas Mountains, New Mexico
 - Julia C. Lowell; The Hearth as Artifact in Prehistoric Pueblos
 - Jennifer G. Strand; A Preliminary Study of the Post-Pleistocene Distribution of Abert's Squirrel in the Southwestern United States and the Archaeological Implications
 - Sylvia W. Gaines and Warren M. Gaines; Computer Simulation of a Diachronic Model Portraying Village Adaptive Behavior under Environmental Stress
 - Alison Rautman; Regional Implications of Local Subsistence Change: The Pithouse to Pueblo Transition in Central New Mexico

- Jeffrey Kelley, William Lipe, and Mark Varien; Thirteenth Century Canyon-Rim Architectural Complexes in the Mesa Verde Region
- Ronald H. Towner; Big Bead Mesa (LA 15231) in Regional Perspective
- [38] **Sponsored Forum: PRINCIPLES OF ARCHAEOLOGICAL ETHICS (SAA Committee on Ethics in Archaeology)**
Room: Marina 3
Organizers: Mark J. Lynott and Alison Wylie
Participants:
 - 5:00 Mark J. Lynott and Alison Wylie; Stewardship: The Central Principle of Archaeological Ethics
 - 5:10 Joe Watkins, Lynne Goldstein, Karen D. Vitelli and Leigh Jenkins; Responsibilities of Archaeologists to Non-archaeological Interest Groups
 - 5:20 Larry Murphy, M.C. Beaudry, James Brown, and R.E.W. Adams; Beyond the Law or Above It? Ethics and the Commercialization of the Archaeological Record
 - 5:30 Francis P. McManamon and Ellen Herscher; The Obligation to Educate
 - 5:40 Christopher Chippindale and David Pendergast; Ethics, Knowledge, and Publication
 - 5:50 Don Fowler and Nancy Parezo; Preserving the Archaeological Record: An Ethical Obligation
 - 6:00 Discussants: Phyllis Mauch Messenger, Christopher Hamilton, Larry Zimmerman, Richardo J. Elia, Richard Wilk, and K. Anne Pyburn
 - 7:20 Hamilton, Larry Zimmerman, Richardo J. Elia, Richard Wilk, and K. Anne Pyburn

- [39] **Plenary Symposium: THE ARCHAEOLOGY OF GLOBAL CHANGE**
Room: Center Ballroom
Chairperson: Charles L. Redman
Participants:
 - 7:30 Charles L. Redman; Introduction
 - 7:40 Patrick V. Kirch; Oceanic Islands: Microcosms of "Global Change"
 - 8:05 Don S. Rice; The Human Impact on Lowland Mesoamerican Environments
 - 8:30 Naomi F. Miller; Long-Term Vegetation Changes in the Near East
 - 8:55 Karl W. Butzer; People and the Land: Ecology in the Long View
 - 9:20 Discussion

- [40] **Symposium: VISUALIZATION IN ARCHAEOLOGY: THE ROLE OF IMAGERY IN INTERPRETING PAST LIFEWAYS**
Room: Marina 3
Organizers and Chairpersons: Stephanie Moser and Margaret Conkey
Participants:
 - 8:40 Stephanie Moser; Evolutionary Images: Human Antiquity and Pictures of the 'Ethnographic Other'
 - 9:00 Clive Gamble; Images as Theories about Cave Men
 - 9:20 Lori D. Hager; Fashioning the "Primitive" in Human Evolution: One Hundred Years of Looking at Neanderthals, Looking at Us.

- 9:40 Diane Gifford-Gonzalez; *Le Plus C'est La Change. Representations of Age and Gender in Artists' Portrayals of Human Ancestors*
- 10:00 A Viewing of Images: Slide Show
- 10:20 Margaret Conkey; *Beyond Deconstruction: What Do We Want in Our Visual Imagery?*
- 10:40 Ruth Tringham; *Visual Images of Archaeological Architecture*
- 11:00 Don Fowler and Catherine Fowler; *From Lovelock Cave to Paquime: Images of the Prehistoric American West, 1846–1994*
- 11:20 Discussant: Martin Rudwick
- 11:40 Discussant: Patty Jo Watson
- [41] **Symposium: PREHISTORIC UNDERWATER ARCHAEOLOGICAL RESOURCES OF THE NORTH AMERICAN CONTINENTAL SHELF AND NEAR-COASTAL WATERWAYS**
Room: South Ballroom A
Organizer and Chairperson: Brinnen Carter
Participants:
- 8:00 Melanie Stright; *Synthesis of Late Wisconsinan Relative Sea Level Data for North America: The Changing Shape of the Prehistoric Landmass*
 - 8:20 Larry Murphy; *Investigation of an Inundated Terrestrial Site off the Florida East Coast*
 - 8:40 James S. Dunbar; *The Stratigraphy of Submerged Late Pleistocene Sites from the Upper Suwannee River to Apalachee Bay*
 - 9:00 Michael Faught and Joseph Donoghue; *Inundated Archaeological Sites and Paleoriver Channels in the Apalachee Bay of North-West Florida*
 - 9:20 Steve J. Dasovich; *The Effects of Sea Level Transgression and Storm Damage on Coastal Site Integrity: Coastal Dixie County, Florida, as an Example*
 - 9:40 John A. Gifford and Steve Koski; *Early Holocene Depositional Environments in Little Salt Spring*
 - 10:00 S. David Webb; *Late Pleistocene Environments in the Middle Aucilla River*
 - 10:20 Norman A. Easton; *Methods of Excavation and Analysis of the Montague Harbour Underwater Site, British Columbia (1989–1993)*
 - 10:40 Richard J. Anuskiewicz, Philip R. Gerrell, James S. Dunbar, and Joseph F. Donoghue; *Evidence of Prehistoric Man on the North American Continental Shelf at a Sinkhole Located 32 km Offshore in 12 m Seawater*
 - 11:00 Irvy R. Qutunyer; *Molluscan Fauna as an Indicator of Environmental Change at the Paleo-Indian Site of Page Ladson (8JE591), Aucilla River, Florida*
 - 11:20 Nicholas Flemming; *Prehistoric Submarine Archaeology: What is the Real Rate of Progress?*
 - 11:40 Discussant: Lucy L. Johnson
- [42] **Symposium: ANTHROPOLOGICAL INTERPRETATIONS FROM ARCHAEOLOGICAL CERAMIC STUDIES: CASE STUDIES IN PREHISTORIC SOCIAL ORGANIZATION IN THE AMERICAN SOUTHWEST**
Room: North Ballroom B
Organizers and Chairpersons: Arley W. Simon and James H. Burton
Participants:
- 8:20 Andrew I. Duff; *Post-Chacoan Community Dynamics as Revealed by Household Interaction*
 - 8:40 Amy A. Douglass; *Moving Pots over Long Distances: Privilege or Necessity?*

- 9:00 Barbara Montgomery and J. Jefferson Reid; *The Brown and the Grey: People, Pots, and Population Movement in East-Central Arizona*
- 9:20 M. Nieves Zedeno; *A Return to *The Gift*: Prehistoric Reciprocity in the Northern Southwest*
- 9:40 Kathy Niles Hensler; *Social Boundaries Set in Clay: Trade Ware Patterning in the Tonto Basin of East-Central Arizona*
- 10:00 Break
- 10:20 Arley W. Simon, John C. Ravesloot, and James H. Burton; *Ceramic Offerings in Salado Burials and Prehistoric Social Status*
- 10:40 James M. Heidke and Miriam T. Stark; *Standardized Theories and Specialized Production: A View from the Tonto Basin*
- 11:00 James H. Burton, Arley W. Simon, and David R. Abbott; *Interregional Connections in the Development and Distribution of Salado Polychromes in Central Arizona*
- 11:20 Discussant: W. James Judge
- 11:40 Discussant: Ben A. Nelson
- [43] **General Session: TIWANAKU, WARI, AND ANDEAN ARCHAEOLOGY**
Room: North Exhibit Hall A and B
Chairperson: Paul Goldstein
Participants:
- 9:00 John Janusek and Sonia Alconini; *Social Diversity and Historical Change in Tiwanaku Ceramics: Steps Toward a Tiwanaku IV-V Chronology*
 - 9:20 Paul Goldstein; *Formative and Tiwanaku-Contemporary Settlement Patterns in the Moquegua Valley, Peru*
 - 9:40 Sonia Alconini; *History and Ritual in the Sacred Pyramid of Tiwanaku: Transformation in Tiwanaku Ceremonial Practice as Inferred from Akapana Ceramic Offerings*
 - 10:00 Break
 - 10:20 Bruce Owen; *Were Wari and Tiwanaku in Conflict, Competition, or Complementary Coexistence? Survey Evidence from the Upper Osmore Drainage, Perú*
 - 10:40 Matthew T. Seddon and John Janusek; *Recent Research on the Organization of Agricultural Production in the Rio Catari Basin, Bolivia*
- [44] **General Session: MAYAN RITUAL AND STYLE**
Room: North Exhibit Hall D and E
Chairperson: Kathryn Reese-Taylor
Participants:
- 9:00 David Maxwell; *Marine Materials from Caches and Problematical Deposits at Tikal*
 - 9:20 Kathryn Reese-Taylor, Debra Walker, Fred Valdez Jr., and Kenneth Liss; *Evidence for a Symbolic Ballcourt at Cerros, Belize*
 - 9:40 Paul F. Healy, Jaime Awe, and Hermann Helmuth; *Pacbitun (Belize) Burial 1-9: Tomb of an Ancient Maya Ruler?*
 - 10:00 Break
 - 10:20 James Brady; *Settlement, Architecture, and Ideology in the Petexbatún Region, Guatemala*
 - 10:40 Jan McHargue; *Ethnic Styling—The Development of Site-Specific Styles in Maya Relief Carving*

[45] Sponsored Symposium: *THE ARCHAEOLOGY OF THE PLEISTOCENE-HOLOCENE TRANSITION IN AFRICA, THE NEAR EAST AND EUROPE (International Quaternary Union-INQUA)*

Room: Marina 4

Organizers and Chairpersons: Lawrence G. Straus and Berit V. Eriksen

Participants:

- 8:00 Peter Mitchell, John Parkington, and Royden J. Yates; A Tale from Two Caves: The Archaeology of the Pleistocene-Holocene Transition in Southern Africa
- 8:20 Angela E. Close; Archaeology of the Pleistocene-Holocene Transition in Northeastern Africa
- 8:40 Nicole Petit-Maire; Climatic Change and Man in Northern Africa (Sahara—Sahel) during the Last Transitional Glacial/Interglacial Period
- 9:00 Ofer Bar-Yosef; The Impact of Late Pleistocene-Early Holocene Climatic Changes in Southwest Asia
- 9:20 Lawrence G. Straus; The Archeology of the Pleistocene-Holocene Transition in SW Europe
- 9:40 Berit V. Eriksen; Resource Management, Subsistence Strategies and Adaptivity in Late Pleistocene-Early Holocene Northwestern Europe
- 10:00 Break
- 10:20 Romuald Schild; Archaeology of the Central Part of North European Plain and Eastern Sub-Balticum between 12,000 and 9,000 B.P.
- 10:40 Pavel Dolukhanov; The Pleistocene/Holocene Transition in North-Eastern Europe: Environmental Change and Social Adaptation
- 11:00 Discussant: Michael Jochim
- 11:20 Discussant: Hans-Jürgen Müller-Beck

[46] Invited Symposium: *PREHISTORIC HUMAN IMPACTS ON THE ENVIRONMENT: A GLOBAL PERSPECTIVE*

Room: Marina 1

Organizers and Chairpersons: Steven R. James and Charles L. Redman

Participants:

- 9:00 Charles L. Redman; Decision-Making, Complex Societies, and Environmental Impoverishment
- 9:20 Steven E. Falconer and Patricia L. Fall; Population Growth, Agricultural Intensification, and Their Environmental Impacts around the Eastern Mediterranean
- 9:40 Thomas H. McGovern, Paul Buckland, Andrew Dugmore, Charles Schweger, and Cynthia Zutter; Raiding the Landscape: Norse Environmental Impact in the North Atlantic
- 10:00 Break
- 10:20 Steven R. James; Depletion of Animal Resources in Prehistoric Agricultural Societies: Comparisons between the American Southwest and Pacific Islands
- 10:40 Suzanne K. Fish and Paul R. Fish; Implications of Scale in Land Surface Management by the Hohokam
- 11:00 Timothy A. Kohler; Prehistoric Human Impact on Upland North American Southwestern Environments: History of Research, Consequences for Culture Change, and Implications for Prehistoric Decision-Making
- 11:20 Discussion

[47] Symposium: *TOWARDS VILLAGE LIFE: AFFLUENT FORAGERS*

Room: Center Ballroom

Organizer: Herbert D.G. Maschner

Chairperson: Kenneth Ames

Participants:

- 8:20 Kenneth Ames; The Evolutionary Scale of Hunter-Gatherer Sedentism
- 8:40 Craig Gerlach; The Dynamics of Subsistence Resource Use and the Organization and Development of Village Communities in Late Prehistoric North Alaska
- 9:00 Junko Habu; Jomon Hunter-Gatherers, How Sedentary Were They?
- 9:20 Herbert D.G. Maschner and Brian W. Hoffman; The Evolution of Village Life on the North Pacific
- 9:40 Patricia Lambert; Settling Down in Santa Barbara: The Origins and Consequences of Sedentary Village Life in South Coastal California
- 10:00 Break
- 10:20 Robert L. Bettinger; The Emergence of Sedentism in the Inyo-Mono Region, Eastern California
- 10:40 T. Douglas Price and Anne Birgitte Gebauer; The Mobility Myth: An Example from Mesolithic Northern Europe
- 11:00 Anna Belfer-Cohen and Ofer Bar-Yosef; Towards Village Life in the Natufian

[48] General Session: *CURRENT RESEARCH IN MESOAMERICA AND THE CARIBBEAN*

Room: North Exhibit Hall F, G, and H

Chairperson: Patricia Urban

Participants:

- 8:00 Frederick Bove; New Chronological Evidence for the Archaeology of the Pacific Coast of Guatemala
- 8:20 Scott Simmons; Ceremonialism at the Cerén Site, El Salvador: The Evidence from Structure 12
- 8:40 Payson Sheets and Monica Barnes; The Maize Cycle at Cerén, El Salvador
- 9:00 Brian McKee; Identification of Structure Function: A Sweatbath at the Cerén Site, El Salvador
- 9:20 Patricia Urban; Counting Heads: Late Classic Demography of the Naco Valley, NW Honduras
- 9:40 Dolores Piperno; Early Foraging and Farming in the Lowland Tropical Forest of Panama
- 10:00 Break
- 10:20 Sylvia Méluzin; The Tuxtla Script and the Origins of Writing in Mesoamerica
- 10:40 Susan Snow; Clouds, Stars and Constructed Images in the New World Tropics
- 11:00 Frances Meskell; Landscape, Creation Mythology, and Ball Court: A Perspective on Izapan Art and Context
- 11:20 Antonio Curet; Mortuary Practices, Social Development, and Ideology in Puerto Rican Prehistory

[49] Symposium: *ALBERT SPAULDING AND THE CONTINUATION OF ARCHAEOLOGICAL SCIENCE*

Room: Marina 2

Organizers and Chairpersons: Marc Kodack and George H. Michaels

Participants:

- 9:00 Kenneth Kvamme; Seeking Patterns in Data: Albert C. Spaulding and Statistical Inference
 9:20 Robert C. Dunnell; The Impact of "Statistical Techniques for the Discovery of Artifact Types" on Archaeology
 9:40 George L. Cowgill; How Much is Enough? Empirical Bayes and Other Ways of Coping with Few or Small Surface Collections
 10:00 Break
 10:20 Christopher S. Peebles; Database and "The Dimensions of Archaeology"
 10:40 Discussant: Margaret C. Nelson
 11:00 Discussant: Douglas B. Bamforth
 11:20 Concluding Remarks: George H. Michaels

[50] **General Session: SOCIAL, ENVIRONMENTAL, AND TECHNOLOGICAL EXPLORATIONS OF INTERACTION**

Room: North Exhibit Hall I and J

Chairperson: Mary-Ellen Walsh-Anduze

Participants:

- 9:00 Evangelia Karimali; Specialization and Self-Reproduction: The Neolithic Mode of Production Reconsidered
 9:10 Carole Mandryk; Hunter-Gatherer Social Costs and the Nonviability of Submarginal Environments
 9:20 Richard C. Lange; As Far as the Eye Can See: Some Basic Tests of Prehistoric Signalling Capability
 9:30 James Truncer; A Mineralogical Characterization of Middle Atlantic Steatite Quarries Using Energy Dispersive Spectroscopy (EDS)
 9:40 Thomas Lincoln, Teresa L. Hoffman, Ronald Dorn, and Glen Rice; The Age of a Mesoamerican Style Petroglyph in Southern Arizona
 9:50 Mary-Ellen Walsh-Anduze; Evidence for Hohokam Ceramic Production Using Inductively Coupled Plasma Spectroscopy

[51] **General Session: SOCIAL CATEGORIES AND MEANING**

Room: North Ballroom A

Chairperson: Tracy Sweely

Participants:

- 9:00 Louise Senior; Babes in the 'Hood: A Discussion of Infant and Child Burial Practices
 9:20 Christopher Carr; A Crosscultural Survey of the Ideational and Social Determinants of Mortuary Practices
 9:40 Adam Smith; Communicative Spaces
 10:00 Break
 10:20 Alan Osborn; Symbols in Limbo: The Utility of Postprocessual Archeology
 10:40 Tracy Sweely; Adverse Effects of a Traditional Archaeological Perspective on Prehistoric Constructions of Gender and the Potential for Resolution
 11:00 Michael Dietler and Ingrid Herbich; It's About Time: An Ethnoarchaeological Perspective on the Conceptualization of Temporality and History in Ancient Societies

[52] **Sponsored Symposium: MAKING THE GRADE: EVALUATING ARCHAEOLOGY EDUCATION PROGRAMS (SAA Public Education Committee)**

Room: South Ballroom B

Organizer and Chairperson: Dorothy Schlotthauer Krass

Participants:

- 8:20 Nan McNutt; Applying the Right Yardstick
 8:40 Patricia Wheat and Joan Few; In the Classroom: A Survey of Teachers in Texas
 9:00 Jeanne M. Moe and Kelly A. Letts; Archaeology Education: Can it Make a Difference?
 9:20 Catherine MacDonald; Program Evaluation at the Secondary School Level
 9:40 Linda M. Gregonis and Lee Fratt; Multiculturalism and Citizenship: Evaluating Tucson Unified School District's Archaeology Program at Camp Cooper
 10:00 Break
 10:20 Christopher Judge; Evaluating Elementary Students' Perception of Archaeology
 10:40 Dorothy Schlotthauer Krass; Transmitters of (Archaeological) Knowledge: A Study of Teachers
 11:00 Joyce A. Williams and Christy L. Wells; What Works and Doesn't Work: An Evaluation of a Pre-College Teacher Education Field School
 11:20 KC Smith; Can't Judge a Book by its Cover!
 11:40 Discussant: Alice Kehoe

[53] **Workshop: ARCHAEOLOGY FOR EDUCATORS, PART I (SAA Public Education Committee)**

Room: Avalon A

Organizers: Jeanne Moe and Christine Nelson

Instructor: Pat Wheat

Time: 4:30–7:30

[54] **Fryxell Symposium: BONE CHEMISTRY AND HUMAN DIET—RECENT ADVANCES, RECENT RETREATS**

Room: Marina 2

Organizer and Chairperson: William F. Keegan

Participants:

- 1:00 Joan B. Coltrain and Thomas W. Stafford, Jr.; Amino Acid Stable Isotopes and Ancient Diet: A Preliminary Report
 1:20 Anne V. Stokes and William F. Keegan; Stable Isotopes Versus Environmental Archaeology in Reconstructing West Indian Diets
 1:40 Stanley H. Ambrose, Brian M. Butler, Douglas B. Hanson, Rosalind L. Hunter-Anderson, and Harold Krueger; Stable Isotopic Analysis of Human Diet Variation in Micronesia
 2:00 Nikoalaas J. van der Merwe; Isotopic Bone Chemistry and the Diets of the Maya
 2:20 Lynette Norr; Dietary Interpretation of Delta-13 C in Archaeological Human Bone Apatite
 2:40 Anne M. Katzenberg; Stable Isotopes and Infant Feeding Practices
 3:00 Break
 3:20 Margaret Schoeninger; Paleoenvironment Reconstruction: Constraints on Early Hominid Diets
 3:40 James Burton; Barium and Strontium
 4:00 Joseph Ezzo; Zinc as a Paleodietary Indicator: Two Decades of Unscientific Reasoning in Archaeological Bone Chemistry Analysis

- 4:20 Phillip L. Walker and Francine Drayer; The Chemical Composition of Enamel as an Index of Dietary Variation
 4:40 Discussant: T. Douglas Price
- [55] Symposium: *THE FOUNDATIONS OF POWER IN PREHISPANIC OAXACA: ICONOGRAPHY, EPIGRAPHY, AND IDEOLOGY*
 Room: Marina 3
 Organizers and Chairpersons: Heather Orr and Arthur A. Joyce
 Participants:
 1:00 Bruce Byland; Ideology and the Interregional Definition of Power in Postclassic Oaxaca
 1:20 Arthur A. Joyce; Ideology, Power, and State Formation at Monte Albán
 1:40 Mark B. King; Differentiating Ideological Symbolism from Historical Signs in the Mixtec Codices
 2:00 Marilyn Masson; Cocijo, Ancestors, and the Annual Cycle: Reflections of Secular and Religious Divisions of Power among the Classic Period Zapotec
 2:20 Arthur G. Miller; Texts and Murals: The Placement of Power in Zapotec Ideology
 2:40 John Monaghan; Sacrifice and Power in Mixtec Kingdoms
 3:00 Heather Orr; Sacrifice Places and the Ritual Ballgame in Late Formative Zapotec Political Strategy
 3:20 Damon E. Peeler and Marcus Winter; Sacred Time and Space and the Growth of Monte Albán
 3:40 Frank K. Reilly, III; Cosmology and Political Power within the Otomanguean Areas of the Middle Formative Mexican Highlands
 4:00 Javier Urcid; Mound J at Monte Albán and Zapotec Political Geography during Period II (200 B.C.- A.D. 200)
 4:20 Robert Williams and Tim Albright; The Classification and Extension of Lineage in the Mixtec Codices from Postclassic Times to ca. 1565 A.D.
 4:40 Discussant: Linda Schele
- [56] Sponsored Symposium: *THE ARCHAEOLOGY OF THE PLEISTOCENE-HOLOCENE TRANSITION IN ASIA, AUSTRALIA, AND THE AMERICAS (International Quaternary Union-INQUA)*
 Room: Marina 4
 Organizers and Chairpersons: George C. Frison, Jon M. Erlandson, and David Yesner
 Participants:
 1:00 James Allen; Greater Australia at the Pleistocene-Holocene Transition
 1:20 Surin Pookajorn; Human Activities and Environmental Changes during the Late Pleistocene to Middle Holocene in Southern Thailand and the Malay Peninsula
 1:40 Takeru Akazawa and C. Melvin Aikens; Pleistocene Continuities and Holocene Developments in East Asia: System Instability and Adoption of New Strategies of Prehistoric Hunter-Gatherers
 2:00 William Roger Powers; Siberia in the Late Glacial and Early Post-Glacial
 2:20 David Yesner; Environmental Change and Subsistence Diversity in the Late Pleistocene/Early Holocene of Alaska
 2:40 Jon M. Erlandson and Madonna L. Moss; Cultures and Environments of the Pacific Coast of North America between about 11,500 and 8,000 Years Ago
 3:00 George C. Frison and Robson Bonnichsen; The Pleistocene-Holocene Transition on the Plains and Rocky Mountains of North America

- 3:20 Albert C. Goodyear and Dan F. Morse; The Pleistocene-Holocene Border in the Eastern USA
 3:40 José Oliver; Ecological Adaptations in the Late Pleistocene-Early Holocene Transition Period of Northern South America
 4:00 Luis A. Borrero; The Pleistocene-Holocene Transition in Southern South America
 4:20 Discussant: Michael Jochim
 4:40 Discussant: Hans-Jürgen Müller-Beck
- [57] Symposium: *RECENT ADVANCES IN THE ARCHAEOLOGY OF BAJA CALIFORNIA*
 Room: North Exhibit Hall A and B
 Organizer and Chairperson: Justin R. Hyland
 Participants:
 1:20 María de la Luz Gutiérrez and Justin R. Hyland; First Report on the Proyecto Arte Rupestre Sierra de San Francisco, Baja California Sur, Mexico
 1:40 Justin R. Hyland and María de la Luz Gutiérrez; Prehistoric Mobility and Subsistence in the Sierra de San Francisco, Baja California Sur, Mexico
 2:00 Alfonso Rosales-López and Harumi Fujita; Evidence for Changing Subsistence Strategies at Ensenada Los Aripes, Baja California Sur, Mexico
 2:20 L. Sánchez-García; Reconstructed Genetic Relationships among the Prehistoric Groups of the Cape Region, Baja California Sur, Mexico
 2:40 Harumi Fujita; Prehistoric Coastal Adaptations Inferred from Excavation Data from the Sites of El Medano and El Conchalito, Baja California Sur, Mexico
 3:00 Eric Ritter; Explaining Regional Differentiation in Central Baja California's Rock Art
- [58] Symposium: *BIG CHANGE IN BIG SITES ON THE BIG RIVER: REGIONAL VARIABILITY IN CLASSIC AND PROTOHISTORIC SITES OF THE NORTHERN RIO GRANDE, NEW MEXICO*
 Room: Marina 1
 Organizers and Chairpersons: Winifred Creamer and Frances Levine
 Participants:
 1:20 Timothy D. Maxwell; Prehistoric Population Change in the Lower Rio Chama Region of the Northern Rio Grande
 1:40 Kurt F. Anschuetz; Floods, Frosts, Hot Rocks, and Systems of Water Management: Reconsidering Classic Period Anasazi Agricultural Practices in the Northern Rio Grande
 2:00 Winifred Creamer and Lisa Renken; Big Sites, Small Population: Ceramics and Contemporaneity of Protohistoric Pueblo Villages in the Northern Rio Grande
 2:20 Judith A. Habicht-Mauche; Ceramic Production and Sociopolitical Change in the Northern Rio Grande
 2:40 Janet Orcutt, Tineke Van Zandt, and Robert P. Powers; Big Problems at Big Sites: Interpreting Formation and Growth at Classic and Protohistoric Rio Grande Pueblos
 3:00 Break
 3:20 Jeremy Kulischeck and Michael Adler; Diversity and Continuity in Classic and Protohistoric Villages of the Taos District, Northern New Mexico
 3:40 Ann F. Ramenofsky; Infectious Diseases and Native Population Change in Northern New Mexico

- 4:00 Helen Crotty; East Meets West at Pottery Mound: Murals, Ceramics, and Kiva Architecture with a Western Flavor in a Rio Grande Pueblo
- 4:20 Frances Levine; Reexamining the Basis of Ethnographic Analogy: An Example from Pecos Pueblo, New Mexico
- 4:40 Discussant: Linda S. Cordell
- [59] **Symposium: AGRICULTURE AND THE FORMATION OF SEDENTARY COMMUNITIES**
- Room:** Center Ballroom
- Organizer:** Kenneth Ames
- Chairperson:** Herbert Maschner
- Participants:**
- 1:20 Barbara Voytek; The Balkan Neolithic: A Study in Sedentary Village Life
 - 1:40 Michael Adler; Village Formation and Community Organization among the Anasazi of the American Southwest
 - 2:00 Mary L. Powell and Valerie Haskins; Trading Old Aches for New Pains: Changing Patterns of Paleopathology in the Eastern Woodlands
 - 2:20 James Zeidler; Population Dynamics and Domestic Labor Organization in the Early Sedentary Village: A View from Real Alto (Ecuador)
 - 2:40 Mark Aldenderfer; On the Origins of Settled Village Life in the Andean World
 - 3:00 Break
 - 3:20 Anna Roosevelt; The Rise of Village Life in Amazonia
 - 3:40 Michael Blake and John E. Clark; Early Formative Mokaya Villages of Southeastern Mexico
 - 4:00 Discussant: Brian Hayden
- [60] **General Session: MAYAN ARCHITECTURE AND SETTLEMENT SYSTEMS**
- Room:** South Ballroom A
- Chairperson:** Kevin Johnston
- Participants:**
- 1:20 Kevin Johnston; Out of Sight, Out of Mind: "Invisible" Residential Settlement in the Classic Maya Lowlands
 - 1:40 Takeshi Inomata; Archaeological Investigations at Aguateca, Guatemala: The Study of a Fortified Maya Center
 - 2:00 George Bey, Craig Hanson, and Jennifer Sandlin; Excavations in the Sacrificios Group, Late Classic Life in Ek Balam
 - 2:20 Grant R. Aylesworth; Reconsidering Chultuns in the Southern Maya Lowlands
 - 2:40 Terry Powis and Bobbi Hohmann; Middle Formative Architecture in the Periphery of Cahal Pech, Belize: The Case of Two Circular Platforms at the Tolok Group
 - 3:00 Break
 - 3:20 Norman Hammond, Gair Tourtellot III, John R. Rose, and Nikolai Grube; The City of Ucayal: Survey and Excavation at La Milpa, Belize, 1992-1994
 - 3:40 Thomas Guderjan, Helen R. Haines, Michael Lindeman, Ellen Ruble, and Pamela Weiss; The Blue Creek Ruin, Belize: At the Edge of the Peten
 - 4:00 Laura Levi; Center and Community at San Estevan, Belize
 - 4:20 Richard Leventhal and Wendy Ashmore; From Edge to Center: Terminal Classic Xunantunich, Belize
 - 4:40 Jim J. Aimers; A Revised Interpretation of the Maya E-Group

- [61] **General Session: PACIFIC COAST AND GREAT BASIN ARCHAEOLOGY**
- Room:** North Ballroom A
- Chairperson:** Jeanne E. Arnold
- Participants:**
- 1:20 Joanne Mack; Prehistoric Upland Sites within the Upper Klamath River Drainage, Southern Oregon and Northern California: Variation in Function, Size, and Tool Stone Sources
 - 1:40 Jack Broughton; An Evolutionary Analysis of Late Holocene Mammal Exploitation Around San Francisco Bay, California
 - 2:00 Roger Colten; Animal Resources, Emergent Complexity, and the Archaeological Record
 - 2:20 John Hildebrand and Melissa Hagstrum; Responses to Subsistence Stress in Late Prehistoric Southern California
 - 2:40 Jeanne D. Binning; Bipolar, Flaked-Stone Reduction in Prehistoric and Protohistoric Southern California
 - 3:00 Break
 - 3:20 Katherine D. Davidson; Behavioral Significance of Variations in the Morphology of the Mastoid Process
 - 3:40 Adella Schroth; Archaeometric Dating of the Pinto Point Type Sites: Implications for Great Basin Prehistory
 - 4:00 Bryan Hockett; The Leporid Bones from Hogup Cave, Utah: Implications for Understanding Prehistoric Human Ecology in the Eastern Great Basin
 - 4:20 Russell T. Gould and Mark G. Plew; Optimal Foraging Approaches to Prehistoric Salmon Fishing in the Northern Great Basin: The Ecological Dynamics of Trade-offs and Strategic Responses
 - 4:40 Mary F. Ricks; Rock Art as Artifact: The Warner Valley Rock Art Inventory
- [62] **Symposium: THE ARCHAEOLOGY OF THE MODERN STATE**
- Room:** South Ballroom B
- Organizers and Chairpersons:** James A. Delle and Paul R. Mullins
- Participants:**
- 1:00 Paul R. Mullins and James A. Delle; The Archaeology of the Modern State: The Material Culture of Discipline and Surveillance
 - 1:20 Lauren J. Cook; "Who's Watching the Watchers?" or, Surveillance, Discourse, Foucault, and Industrial Archaeology
 - 1:40 Nancy L. Muller; A Spatial Consistency? White Supremist State-Supported Architecture: A Comparison between Prisons and Public Housing Projects
 - 2:00 Matthew Johnson; 17th Century Surveillance
 - 2:20 Christopher Matthews; Panoptic Theatrics: The Use and Abuse of Elevated Space in Colonial American Performance
 - 2:40 Marlys Pearson; "Delight in the Distraction and Ruin of Families": Runaway Wife Advertisements in Colonial Newspapers as a Forum for Contested Power
 - 3:00 Break
 - 3:20 Elizabeth Kryder-Reid; California Missions: Landscapes of Discipline
 - 3:40 Mark S. Warner; Food, Fishing, and the Marketplace: African-American Responses to Mass Consumer Society
 - 4:00 Paul A. Shackel; Transforming Craft to Industry: The Material Consequences of New Surveillance Technologies in Nineteenth-Century Harpers Ferry
 - 4:20 Discussant: Mark P. Leone

[63] General Session: *INFORMATION MANAGEMENT AND REMOTE SENSING*

Room: North Exhibit Hall D and E

Chairperson: Konnie L. Moeller

Participants:

- 1:00 Mary S. Carroll and Dale R. Gerken; Information Management in Archaeology: A Broader Perspective
 1:20 Konnie L. Moeller and John F. Hoffecker; Cultural Resources and a GIS Approach to Land Management and Environmental Compliance
 1:40 Ian G. Robertson; GIS-Assisted Analysis of Teotihuacan Data
 2:00 Dean Goodman, Yasushi Nishimura, J. Daniel Rogers, Mark Lynott, and James Price; Joint US/Japan Research Project to Promote the Use of Hi-Tech Ground Penetrating Radar Equipment and Advanced Data Processing for the Study of Native American Archaeology
 2:20 Yasushi Nishimura and J. Daniel Rogers; Development of State-of-the-Art Geophysical Equipment and Testing for a Joint US/Japan Study of Native American Archaeological Sites

[64] Symposium: *THE ARCHAEOLOGY OF MIGRATION IN EARLY EUROPE*

Room: North Exhibit Hall D and E

Organizer and Chairperson: Peter S. Wells

Participants:

- 3:20 David W. Anthony; Prehistoric Migration as Social Process: Material and Social Constraints
 3:40 Peter S. Wells; Germanic Migrations and Celtic Responses
 4:00 Bailey K. Young; Migrations and Invasions? or Hostile Takeovers and Restructuring? The Fall of Rome Revisited
 4:20 Nancy L. Wicker; Migration or Itinerancy: Migration Period Scandinavian-Type Bracteates Found Outside Scandinavia
 4:40 Barbara G. Scott; The Northern Isles and Viking Migration

[65] Symposium: *MICKEY MOUSE ARCHAEOLOGY: MICE, RATS, AND OTHER RODENTS*

Room: North Exhibit Hall I and J

Organizers and Chairpersons: Daniel H. Sandweiss and Kristin D. Sobolik

Participants:

- 1:20 Kristin D. Sobolik; Direct Evidence for the Importance of Small Animals to Prehistoric Diets: A Review of Coprolite Studies
 1:40 Christine Szuter; Woman the Huntress
 2:00 Mark Q. Sutton; Rodent Utilization in the Great Basin: Ethnographic and Archaeological Perspectives
 2:20 Frank Bayham and Jack Broughton; Rodent and Lagomorph Remains as Indicators of Resource Stress: An Example from the Pithouse Period in West Texas
 2:40 Susan D. deFrance; Uninvited Guests: Old World Rodents on Spanish Colonial Sites
 3:00 Break
 3:20 Elizabeth J. Reitz and Elizabeth S. Wing; Rice Rats of the Northern Lesser Antilles
 3:40 Daniel H. Sandweiss; Ritual Rodents: The Guinea Pigs of Chincha, Peru
 4:00 Discussant: Holmes Semken, Jr.

[66] Symposium: *PALEOINDIAN AND ARCHAIC ADAPTATION IN TRANSITIONAL ENVIRONMENTS*

Room: North Exhibit Hall F, G, and H

Organizers: Tammy Stone and Ruben G. Mendoza

Chairperson: Ruben G. Mendoza

Participants:

- 1:20 Bonnie L. Pitblado; Getting to the Point: A 'Big Picture' Look at Rocky Mountain Paleoindian Traditions
 1:40 Douglas B. Bamforth; The Windy Ridge Quartzite Quarry: Hunter-Gatherer Mining on the Continental Divide
 2:00 Michael D. Metcalf, Patrick K. O'Brien, Kelly J. Pool, Steve Kalasz, and Michael McFaul; Archaic Period Chronology and Resource Utilization in Northwestern Colorado
 2:20 Robert H. Brunswig, Jr.; Terminal Paleoindian and Early Archaic Culture Dynamics and Processes of Northeastern Colorado's High Plains and Rocky Mountains
 2:40 Tammy Stone; Shifts in Resource Procurement and Regional Organization During the Archaic Period in the Hogback Valley, Colorado
 3:00 Break
 3:20 Ruben G. Mendoza; Assessing the Human Ecology of the Colorado Front Range, 7500–1000 B.P.
 3:40 Mary Lou Larson; Rocky Mountain Housesites: The Edsels of the Interamerican West
 4:00 Jo Kent, James W. Kirk, and Kimberly Lovett; Settlement Patterns in the Middle Archaic Period in the Hogback Valley, Colorado
 4:20 Christian J. Zier; Holocene Adaptations as Exhibited in Rock Shelters along the Plains—Foothills Transition Zone, Southern Colorado

[67] Symposium: *ARCHAEOLOGICAL APPROACHES TO THE BUILT ENVIRONMENT*

Room: North Ballroom B

Organizers and Chairpersons: Jerry Moore and David B. Small

Participants:

- 1:20 David B. Small; Parlor and Assembly: Public/Private Spatial Change and Social Negotiation at Pompeii
 1:40 Susan Kus; House to Palace, Village to State: Scaling Up Architecture and Ideology
 2:00 Stephen Houston; Ancient Maya Architectural Space
 2:20 Charlotte A. Smith; Prehispanic Architecture and Social Organization in Oaxaca
 2:40 Jerry D. Moore; Prehispanic Ritual and Human Perception in the Public Architecture of the Coast of Peru
 3:00 Break
 3:20 Donald Sanders; Theoretical and Computer-Aided Modeling of Ancient Built Environments
 3:40 William Riseman; 3-D Computer Reconstructions: Creating Virtual Ancient Built Environments

[53] Workshop: *ARCHAEOLOGY FOR EDUCATORS, PART II (SAA Public Education Committee)*

Room: Avalon A

Organizers: Jeanne Moe and Christine Nelson

Instructor: Pam Wheat

Time: 8:30–4:30

[68] Sponsored Symposium: *ZINJ KIDS AND ARCHAEOLOGY: PERSPECTIVES OF A YOUNGER GENERATION* (*Zinj Magazine and SAA Public Education Committee*)

Room: Embassy West

Organizer and Chairperson: K. Jones

Time: 10:00-12:00

[69] Symposium: *LATE PLEISTOCENE FORAGERS IN THE UKRAINE: RESEARCH AT MEZHIRICH, 1991-1994*

Room: North Exhibit Hall A and B

Organizers and Chairpersons: Olga Soffer and J.M. Adovasio

Participants:

- 9:00 Olga Soffer, J.M. Adovasio, and N.L. Kornietz; Mezhirich CA. 15,000 B.P.
- 9:20 Andrei Velichko and R. Buyce; Geology and Geomorphology at Mezhirich: Macro- and Micro-Perspectives
- 9:40 M. Hilton and D.E. Strong; Conductivity Studies at Mezhirich, 1993
- 10:00 Break
- 10:20 Kurt Carr, C.L. Pedler, and D.C. Dirkmaat; Material Culture Studies at Mezhirich, 1993
- 10:40 J.M. Adovasio, Olga Soffer, D.C. Dirkmaat, C.L. Pedler, and R. Buyce; Pits and Middens at Mezhirich: The Third Installment
- 11:00 David C. Hyland; Enzyme Immunoassay (EIA) Studies on Selected Lithic Artifacts from Mezhirich
- 11:20 Julianne Snider; Conservation of Subfossil Vertebrate Material In Situ and beyond Mezhirich Dwelling #4

[70] General Session: *ARCHAEOLOGICAL METHODS AND PUBLIC INTERPRETATION*

Room: South Ballroom B

Chairperson: C. Jill Minar

Participants:

- 9:00 Todd VanPool and Christine VanPool; Solution pH and Obsidian Hydration Dating: An Experimental Study
- 9:10 C. Jill Minar; Handling Radiocarbon Samples in the Field: Myths and Realities
- 9:20 Brooks B. Ellwood, Francis B. Harrold, and Karl M. Petruso; Magnetic Susceptibility and Its Anisotropy as a Tool for Determining Intra-Site Correlations and Site Evolution: An Example from Konispol Cave, SW Albania
- 9:30 Leonard A. Forsman; Traditional Cultural Property Evaluation in Urban Construction Project Settings: A Seattle, Washington Case
- 9:40 Ricardo Elia; Contract Dilemmas in Public Archaeology
- 9:50 Doreen Cooper; Interpreting Archaeology in the Klondike
- 10:00 Douglas Stephens and Martha Lee; Visitor Experiences and Motivations at Cultural Sites

[71] General Session: *NEW DIRECTIONS IN CERAMIC RESEARCH*

Room: North Exhibit Hall F, G, and H

Chairperson: Mark A. Neupert

Participants:

- 9:00 Marilyn P. Beaudry-Corbett and John S. Henderson; Regional Approach to Pottery Classification and Analysis: A Honduran Case
- 9:20 William Longacre and Mark A. Neupert; Is the Customer Always Right? Ethnoarchaeological Studies of Ceramic Performance Characteristics in Negros, the Philippines

- 9:40 Mark A. Neupert; Ceramic Strength Testing Made Easy: Method and Theory for Mainstream Ceramic Analyses

10:00 Break

- 10:20 Michael Schiffer and James M. Skibo; A Behavioral Model for the Origin of "Stylistic" Variation

- 10:40 Dean Arnold; Ceramic Theory and Mold-Made Ceramic Production: Implications for Craft Organization

[72] General Session: *ARCHAEOLOGY OF THE GREATER SOUTHWEST*

Room: North Ballroom B

Chairperson: Robert J. Hard

Participants:

- 9:00 Lynn M. Malinowski and Shawn D. Haley; New Evidence for Great Basin Prehistoric Connections to the Early Archaic in the Wasatch Mountains of Central Utah
- 9:10 Robert Birnie; Pueblo II Occupation, Site Structure, and Architectural Variability on the Ute Mountain Reservation, Southwestern Colorado
- 9:20 Paul Reed; The Cove Community: A Pueblo I-II Anasazi Settlement in Red Valley, Northeastern Arizona
- 9:30 Nancy Olsen; Bandelier National Monument Pictographs and Petroglyphs: A Preliminary Study
- 9:40 Brian Shaffer and Karen M. Gardner; "Kodak Moments": Pottery Motifs by the Mimbres People, Depicting Human and Animal Interaction
- 9:50 Robert J. Hard; Agricultural Intensification in the Sacramento Mountains of Southcentral New Mexico
- 10:00 Break
- 10:20 Alice A. Gustafson; The Duncan Ranch Site 1: A Late Woodland/Incipient Antelope Creek Phase Site
- 10:30 Caryn Berg; Microwear Analysis and the Informal Tool Kit at Elden Pueblo

[73] General Session: *ARCHAEOLOGY IN AFRICA AND THE MIDDLE EAST*

Room: North Exhibit Hall I and J

Chairperson: Joy McCorriston

Participants:

- 9:00 Mary Clark; Preliminary Investigations of Late Stone Age and Metallurgic Sites along Sub-Saharan Palaeochannels in Senegal and Mali
- 9:20 Kenneth Kelly; Recent Excavations at Savi, an 18th Century West African Trade Town in Benin
- 9:40 Nancy McMahon, Floyd W. McCoy, Marcus Pillion, and Stavros Papamarinopolous; Pre-Eruption LBA Topography and Shape of Thera
- 10:00 Break
- 10:20 P. Nick Kardulias, Richard W. Yerkes, and Heather Gayheart; Finding the Neolithic "Needle" in the Cypriot Haystack: Survey and Regional Dynamics in Central Cyprus
- 10:40 Glenn M. Schwartz; Spatial Analysis of a Third Millennium Syrian Village
- 11:00 Harold Hietala and Donald O. Henry; A Preliminary Interpretation of Diachronic Spatial Patterning at the Middle Paleolithic Rockshelter of Tor Faraj, Jordan
- 11:20 Joy McCorriston; The Fiber Revolution: Agricultural Intensification in Ancient Mesopotamia

[74] **Symposium: A ROCKY PAST: INTERDISCIPLINARY PALEOINDIAN RESEARCH**

Room: Center Ballroom

Organizer and Chairperson: Kenneth Tankersley

Participants:

- 8:00 Andrea Freeman; Geoarchaeological Approaches to Paleoindian Studies: Like Water for Chocolate?
- 8:20 Richard Laub; The Paleoindian Record at the Hiscock Site (Western New York): Its Nature and Context
- 8:40 Matthew G. Hill; A New Look at the Folsom Bison Bonebed at Agate Basin, Wyoming
- 9:00 Peter L. Storck, P. Julig, T. Anderson, P. Barnett, and W. Mahaney; Is There a Pre-Clovis Component at the Sheguiandah Site, Ontario?—New Geoarchaeological Evidence
- 9:20 Marvin Kay; Dalton: An Adaptive Radiation
- 9:40 Kenneth Tankersley; Clovis Mastics: A Sticky Subject
- 10:00 Frederic Sellet and George Frison; Hell Gap Revisited
- 10:20 Lawrence Todd; Quarries, Communal Kills, and Multi-Animal Mass Mortalities: Interdisciplinary Studies and Interpretations of Bison Bonebeds
- 10:40 Jack L. Hofman; The Significance of Folsom Point Variability: Evidence from the Folsom and Lipscomb Sites
- 11:00 Matthew E. Hill Jr., Matthew G. Hill, Jack L. Hofman, and Doug Drake; The Faunal Assemblage from the Milnesand Site
- 11:20 Richard E. Reanier, Daniel H. Mann, and Michael L. Kunz; Arctic Paleoindians and Environmental Change
- 11:40 Discussant: Michael Shott

[75] **Symposium: RECENT RESEARCH IN SOUTHERN NEVADA**

Room: South Ballroom A

Organizer and Chairperson: Colleen M. Beck

Participants:

- 8:20 W. Geoffrey Spaulding; Toward a Comprehensive Understanding of Postglacial Environments in the Southern Great Basin
- 8:40 Paul E. Buck and Anne DuBarton; A Preliminary Report on the Results of the 1963–64 Field Season at Pintwater Cave in Southern Nevada
- 9:00 Claude N. Warren; Artiodactyls to Tortoises: Four Thousand Years of Changing Subsistence at Atlatl Rock
- 9:20 Gregory Haynes; The Definition of Artifact Concentrations, Lithic Reduction Strategies, and Stone Tool Distributions at a Western Stemmed Site in Southern Nevada
- 9:40 William T. Hartwell; Prehistoric Land Use Patterning at the Yucca Wash Quarry Site
- 10:00 Break
- 10:20 Colleen M. Beck; The NTS Cave Site
- 10:40 Kevin Rafferty; Geoglyphs and Ground Features in the Southern Nevada Region
- 11:00 Lonnie C. Pippin; Aboriginal Potable Water Resources in the Southern Great Basin
- 11:20 William G. White; 26CK4695—A Dam Worker's Camp or Prospector's Camp?
- 11:40 William G. Johnson; Nuclear Testing and Cold War Studies: Historic Structures at the Nevada Test Site

[76] **General Session: MAYA SOCIAL AND ECONOMIC SYSTEMS**

Room: North Ballroom A

Chairperson: Kevin Pope

Participants:

- 8:20 Kevin Pope, Mary Pohl, John Jacob, John Jones, and David Lentz; The Origin, Evolution, and Demise of Maya Wetland Agriculture in Northern Belize
- 8:40 Mary Pohl, Kevin Pope, John Jones, Fred Valdez, and Ray Neck; Maize Agriculture in Mesoamerica: The Lowland Maya Case
- 9:00 Heather McKillop; Production and Distribution of Ancient Maya Salt: Underwater Archaeology in South Coastal Belize
- 9:20 Shirley Mock; The Northern River Lagoon Site: Late-Terminal Classic Settlement, Saltmaking, and Survival on the Belize Coast
- 9:40 J. Jefferson MacKinnon; Rise of Sea Level and Accompanying Mangrove Encroachment as a Possible Cause for the Cessation of Ancient Maya Salt Production on Belizean Coastal Lagoons
- 10:00 Break
- 10:20 David Cheetham; Ancient Roadways, Elite Ritual and Settlement Patterns of the Maya: Recent Evidence from Cahal Pech, Cayo, Belize
- 10:40 Ann Samuelson; Who Were the Maya Potters?
- 11:00 Richard R. Paine; Let Them Eat Chocolate: Population Growth, Resource Stress, and the Rise of the Copan Nobility (AD 700–950)
- 11:20 Craig Hanson, William Ringle, and Sharon Bennett; The Sixteenth Century Encomienda Village from Northern Yucatan, Mexico
- 11:40 Arthur A. Demarest and Juan Antonio Valdes; Warfare and the Collapse of Classic Maya Civilization

[77] **Symposium: BETWEEN HORIZONS: SOCIAL RECONFIGURATIONS AND POLITICAL STRATEGIES IN THE EARLY INTERMEDIATE PERIOD OF PERU**

Room: Marina 1

Organizers and Chairpersons: Luis Jaime Castillo and Helaine Silverman

Participants:

- 8:20 Alana Cordy-Collins; An Examination of the Lambayeque Cultural Tradition from the Vantage of San José de Moro
- 8:40 Banks L. Leonard and Glenn S. Russell; Coalescence and Transformation in the Early Intermediate Period: From Horizon to Horizon in the Chicama Valley, Peru.
- 9:00 Brian Billman; Political Integration and Disintegration during the Early Intermediate Period in the Moche Valley, Peru
- 9:20 Luis Jaime Castillo; The Moche States of Northern Peru: Socio-Political Structures and Power Strategies
- 9:40 Daniel G. Julien; Gradual Change and Catastrophic Realignment: The Early Intermediate Period and Afterwards in Cajamarca
- 10:00 Break
- 10:20 Pat Knoblock; Adapting to the Emerging Role of Wari Leadership
- 10:40 Krzysztof Makowski; The Beginning of the Early Intermediate Period in the Central Coast of Peru
- 11:00 Helaine Silverman; Comparative Perspectives on the Early Intermediate Period from the South Coast

- 11:20 Carlos Elera; The Cupisnique Cultural Complex and Its Role in the Origin of Moche, North Coast of Peru
- [78] **General Session: EASTERN NORTH AMERICAN ARCHAEOLOGY**
 Room: North Exhibit Hall D and E
 Chairperson: Andrea A. Hunter
Participants:
 8:20 Joseph E. Granger; Organizing the Obtainable in Orchard Park: A Re-examination of Early Woodland Extractive Camps in Western, New York
 8:40 John Blitz; Mound Reoccupation and Co-option of Sacred Authority
 9:00 John Kelly; Population Estimates at Cahokia and the American Bottom: Problems and Prospects
 9:20 Andrea A. Hunter; The Domestication of *Hordeum pusillum* (Little Barley) in the Midwest United States
 9:40 Renee Beauchamp; Aging White-Tailed Deer in North America: Investigations of the Dental Crown Height Measurement Technique
 10:00 Break
 → 10:20 Mark J. Hartmann; The Development and Use of Dugout Canoes in the Prehistoric Southeastern United States
 10:40 James Cogswell, Michael J. O'Brien, Robert C. Mainfort, Jr., Hector Neff, and Michael D. Glascock; Neutron-Activation Analysis of Cambell Appliquéd Pottery from Southeastern Missouri and Western Tennessee: Implications for Late Mississippian Inter-Site Relations
 11:00 Eric R. Hollinger; Oneota Domestic Architecture and the Search for Rules of Residence
 11:20 Michael P. Hoffman; Oneota Culture Ties to the Historic Quapaw Tribe
- [79] **Symposium: ISLANDS AS LABORATORIES: ARCHAEOLOGICAL RESEARCH IN COMPARATIVE PERSPECTIVE**
 Room: Marina 2
 Organizers and Chairpersons: Terry L. Hunt and Ben Fitzhugh
Participants:
 8:00 Ben Fitzhugh; Islands in the Middle: Dynamic Interactions in the North Pacific
 8:20 Debra Corbett, Douglas Siegel-Causey, and Christine Lefevre; The Western Aleutians: Reevaluating the Isolation Hypothesis
 8:40 William W. Fitzhugh; The Dorset Thule Transition: Take 2
 9:00 Thomas Amorosi, Jon Sadler, Jim Woollett, and Jon H. Ingimundavsson; The Scandinavian North Atlantic Colonies
 9:20 Robert E. Dewar; Does it Matter that Madagascar is an Island?
 9:40 David A. Burney; The Consequences of Human Arrival in Madagascar, Puerto Rico, and the Hawaiian Islands
 10:00 Break
 → 10:20 William F. Keegan; Universals and Refutationist Logic in the West Indian Laboratory
 10:40 John E. Terrell; The Postponed Agenda: Archaeology and Science in the 21st Century
 11:00 Melissa A. Kirkendall; Differential Responses to Infectious Disease in the Pacific at European Contact
 11:20 Terry L. Hunt; Nihoa Island: Colonization, Environmental Change, and Isolation on a Hawaiian Frontier
 11:40 Discussant: Henry Wright

- [80] **Symposium: THE HOHOKAM CLASSIC TO POST-CLASSIC TRANSITION: CULTURAL CONTINUITY OR DISLOCATION?**
 Room: Marina 4
 Organizers: Todd L. Howell and Samantha Ruscavage-Barz
 Chairperson: Samantha Ruscavage-Barz
Participants:
 8:20 David Greenwald; Pueblo Salado and Brady Wash: A Case Study of Sites from Riverine and Non-Riverine Settings
 8:40 T. Kathleen Henderson; Reflections on the Late Classic Period: A View from the Santa Cruz Flats
 9:00 Todd L. Howell; The Hohokam Classic to Post-Classic Transition: A View from Los Guanacos
 9:20 Douglas Mitchell and Michael S. Foster; Ashes to Ashes, Dust to Dust: The Classic to Postclassic Transition at Pueblo Grande
 9:40 Samantha Ruscavage-Barz; Ground Stone Assemblages as Monitors of Changing Hohokam Subsistence Strategies: Continuity and Change during the Terminal Classic Period
 10:00 Break
 10:20 David Abbott; Social Change at Pueblo Grande during the Civano/Polvorón Transition
 10:40 Mark R. Hackbarth; Classic Period Hohokam Mortuary Patterns from the Santa Cruz Flats
 11:00 Scott Kwiatkowski; Continuity and Change in Phoenix-Area Hohokam Subsistence from the Civano Phase to the Polvorón Phase: The Flotation Evidence
 11:20 David Gregory; El Polvorón Phase in a Regional Perspective
 11:40 Discussant: David Doyel
- [81] **Symposium: IT'S A SMALL WORLD AFTER ALL: THE STUDY OF COMMUNITIES AND THEIR ORGANIZATION**
 Room: Marina 3
 Organizers and Chairpersons: Peter E. Siegel and Michael Kolb
Participants:
 8:00 Michael Kolb and James Snead; Issues in Community-Level Analysis in Archaeology
 8:20 Gertrude W. Dubrovsky; A Small World: A Community of Jewish Farmers
 8:40 Anabel Ford; Integration Among Communities, Centers, and Regions: Organization of the Maya of the Belize River Area
 9:00 John E. Clark and Rob Fergus; Early Formative Communities at Paso de la Amada, Chiapas, Mexico
 9:20 Peter E. Siegel; Ideology and Culture Change: A View from the Community
 9:40 Deni Seymour; Bounding Economically Cooperating Groups: The Organizational Development of a Hohokam Community
 10:00 Break
 10:20 Susan Kent; Unstable Households in a Stable Community: The Organization of a Recently Sedentary Settlement
 10:40 Michael W. Graves; Kalinga Regional Community Boundaries: An Evolutionary Explanation of Style and Territoriality
 11:00 Discussant: Gary M. Feinman
 11:20 Discussant: Timothy K. Earle
 11:40 Discussant: Anna C. Roosevelt

SATURDAY AFTERNOON APRIL 23, 1994

- [82] Sponsored Public Symposium: *INVESTIGATING THE MYSTERIES OF TIME WITH ARCHAEOLOGY (SAA Public Education Committee)*

Room: Embassy West

Organizer: Teresa Hoffman

Time: 1:00–4:00

Participants:

Brian Fagan; Time Detectives

Kent G. Lightfoot; Solving a California Mystery: Who Created the Shell Mounds of San Francisco Bay?

- [83] Symposium: *PREHISTORIC ENVIRONMENTS AND LAND USE ALONG A 1670 KM TRANSECT IN THE WESTERN UNITED STATES*

Room: North Exhibit Hall F, G, and H

Organizer and Chairperson: Michael J. Moratto

Participants:

1:00 Michael J. Moratto; The PGT-PG&E Pipeline Expansion Project: Archaeological Research Goals, Objectives, and Methods

1:20 Judith A. Willig; Holocene Climatic Change and Human Occupation: The Record From Western Paleosols

1:40 Robert U. Bryson and Reid A. Bryson; A Comparison of Cultural Evidence and Simulated Holocene Climates of the Pacific Northwest

2:00 Randall F. Schalk and Clayton G. Lebow; Holocene Land-Use Systems in North-Central Oregon

2:20 Melinda Horne and Judith A. Willig; 35-JE-49: Ten Thousand Years of Human Occupation and Adaptive Change

2:40 William Hildebrandt, Pat Mikkelsen, and Paul Bouey; Latitudinal Variability in Resource Structure: Implications For Hunter-Gatherer Adoptions in Northern California

3:00 Break

3:20 Nancy D. Sharp; Faunal Exploitation and Land-Use Patterning Along the Pipeline Corridor

3:40 Richard E. Hughes and Craig E. Skinner; Variability in Obsidian Source Use in Central Oregon

4:00 Richard M. Pettigrew and Craig Skinner; Obsidian Hydration Studies in the Central Oregon Corridor: Results of the First Cut

4:20 Barry A. Price and Timothy Canaday; Predictive Models and Site Survey: A 1,000-Mile Transect

4:40 Discussant: David A. Fredrickson

- [84] Symposium: *PROJECTILE TECHNOLOGIES: ARCHAEOLOGICAL, EXPERIMENTAL, AND ETHNOARCHAEOLOGICAL PERSPECTIVES*

Room: South Ballroom A

Organizer and Chairperson: Heidi Knecht

Participants:

1:00 John Shea; Hunting Technology in the Middle Paleolithic/Middle Stone Age: An Inter-Regional Perspective

1:20 James Pokines; Form, Function, and Context in Cantabrian Lower Magdalenian Antler Projectile Points

- 1:40 Bill Finlayson and Steven Mithen; Microliths as Projectile Points? A Case Study from Western England

2:00 Michael J. Shott; Continuous Variation in Point Size and Form: Examples from the American Midwest

2:20 Heidi Knecht; Projectile Points of Bone, Antler, and Stone: Experimental Explorations of Manufacture and Function

2:40 Christopher J. Ellis; Factors Governing the Use of Stone Projectile Tips: The Ethnographic Data

3:00 Break

3:20 Christopher Bergman; Sinew Reinforced and Composite Bows: Technology, Function, and Social Implications

3:40 Robert Hitchcock and Peter Bleed; Each According to Need and Fashion: Spear and Arrow Use among !Kung Hunters of the Kalahari

4:00 Laurence E. Bartram, Jr.; A Comparison of Kua (Botswana) and Hadza (Tanzania) Bow and Arrow Hunting

4:20 Discussant: Margaret C. Nelson

4:40 Discussant: Peter Bleed

- [85] Symposium: *THE DEVELOPMENT OF SOCIAL POWER IN NONSTATE SOCIETIES: EXAMPLES FROM THE AMERICAN SOUTHWEST AND THE SOUTH-CENTRAL ANDES*

Room: Marina 2

Organizers and Chairpersons: E. Charles Adams and Axel E. Nielsen

Participants:

1:00 William D. Lipe; Material Expression of Social Power in the Northern San Juan, A.D. 1150–1300

1:20 E. Charles Adams and William H. Walker; Ritual and Social Power in the Pueblo Southwest

1:40 Lynne Sebastian; Relations of Social Power in Chacoan Society

2:00 Ben A. Nelson; Power and Polity in the Borderlands: A Mesoamerican Perspective on the American Southwest

2:20 Patricia L. Crown and Suzanne K. Fish; Gender and Power in the Hohokam Preclassic to Classic Transition

2:40 John C. Ravesloot; Architectural Planning and Design: Social and Religious Symbols of Power at Casas Grandes

3:00 Break

3:20 Juan A. Jordán; Integration and Disintegration: Tiwanaku's Collapse and Local Nested Hierarchies

3:40 Axel E. Nielsen; The Control of Social Reproduction: Toward an Archaeological Study of Social Power in Quebrada de Humahuaca, Argentina

4:00 María E. Albeck; Social Power and Agricultural Management: A Case Study from Northwest Argentina

4:20 Discussant: Jeffrey R. Parsons

4:40 Discussant: Paul R. Fish

- [86] Symposium: *RECENT RESEARCH ALONG THE LOWER COLORADO RIVER*

Room: North Exhibit Hall I and J

Organizers: Joseph A. Ezzo and John E. Peterson II

Chairperson: Joseph A. Ezzo

Participants:

- 1:20 Boma Johnson; The Archaeology of the Lower Colorado River: An Overview
 1:40 Lorey Cachora; Legends of the Yuman-Speaking Peoples: Lower Colorado River between California and Arizona
 2:00 James Holmlund; The Ripley Geoglyph Complex: A Case Study of Geoglyph Site Structure and Feature Relationships
 2:20 Diana G. Pinto and Joan Schneider; Milling-Implement Quarrying and Production Bordering the Lower Colorado and Gila Rivers: Archaeological, Ethnographic, and Historical Evidence for an Aboriginal Industry
 2:40 Jerry Schaefer; An Update on Ceramics Analysis in the Colorado Desert
 3:00 Break
 3:20 Jeffrey Altschul and Joseph A. Ezzo; The Expression of Ceremonial Space Along the Lower Colorado River
 3:40 John Peterson; Resource Management Strategies along the Lower Colorado River
 4:00 Discussant: Persis Clarkson
 4:20 Discussant: Julian Hayden

[87] Symposium: THE COLHA PRECERAMIC: NEW VIEWS ON LOWLAND MAYA ORIGINS

Room: North Ballroom B

Organizers and Chairpersons: Thomas R. Hester and Harry J. Shafer**Participants:**

- 1:20 Thomas R. Hester; An Introduction to Studies of the Colha Preceramic
 1:40 Harry B. Iceland; Colha Preceramic Project: Excavations and Stratigraphy
 2:00 Paul Goldberg and John Jacob; Geoarchaeological Investigations at Op. 4046, Colha, Belize
 2:20 John G. Jones; Settlement and Agriculture at Colha: Pollen Evidence from Cobweb Swamp
 2:40 Harry J. Shafer and Robbie L. Brewington; The Preceramic Lithic Assemblage at Colha, Belize: Operation 4046
 3:00 Break
 3:20 Dale B. Hudler and Jon C. Lohse; A Functional and Contextual Study of Unifacial Chert Tools from Belize
 3:40 Fred Valdez, Jr.; The Earliest Maya in Current Context

[88] Symposium: EXPANDING THE PALEOINDIAN UNIVERSE: NEW DATA FROM EASTERN NORTH AMERICA

Room: Center Ballroom

Organizer and Chairperson: Kenneth B. Tankersley**Participants:**

- 1:20 David S. Brose; Excavations at 33ME274: A Dated in Situ Clovis Site in Northeast Ohio
 1:40 Ed Hajic and Andrea Freeman; Stratigraphic and Geomorphic Context at the Paleo Crossing Paleoindian Site, Ohio
 2:00 Mark F. Seeman, Larry Morris, and Garry L. Summers; Refitting Paleoindian tools from Nobles Pond: Methodological Lessons and Prospects
 2:20 Kevin P. Smith, John D. Holland, and Kenneth Tankersley; Wanderers of the Wetlands? The Late Pleistocene Occupation of Western New York
 2:40 Juliet Morrow; Clovis Lithic Technology: Implications for Fluted Point Typology in the Midcontinental United States

3:00 Break

- 3:20 Ronald Collins and Bill Byrd; Morphology, Function and Use Life: An Evaluation of the Paleo Crossing Endscraper Assemblage
 3:40 Nigel Brush; The Martins Creek Mastodon: A Paleo-Indian Butchery Site in Holmes County, Ohio
 4:00 Discussant: David Anderson

[89] General Session: PUEBLO ARCHAEOLOGY

Room: Marina 1

Chairperson: Richard Wilshusen**Participants:**

- 1:00 Patrick Lyons; Describing and Explaining Lithic Variability at Prehistoric Puebloan Sites
 1:20 James Potter; The Identification of Communal Ritual with Faunal Remains: A Case Study from the Dolores Anasazi
 1:40 L. Theodore Neff; Black Mesa Anasazi Burial Patterns: Mobility and Site Abandonment Processes
 2:00 Bruce Bradley; Pitchers to Mugs: Chacoan Revival and the Demise of the Mesa Verde Tradition
 2:20 Ross Curtis and Roger Walkenhorst; A Comparative View of Small House Form and Function in the Chacoan System: Investigations at the Chacoan Outlier of Whirlwind Lakes
 2:40 Timothy Kearns; In the System or Out: An Examination of Small House Material Culture Variability and Great House Association in the Southern Chuska Valley, New Mexico
 3:00 Robbie L. Brewington and Harry J. Shafer; Generational Cycles and Rates of Change in Mimbres Black-on White Pottery
 3:20 Richard Wilshusen; A Comparison of Two Prehistoric Abandonments of the Same Region
 3:40 Daniela Triadan; White Mountain Redware: An Exotic Trade Item or a Local Commodity? Perspectives from the Grasshopper Region, Arizona
 4:00 Mark T. Lycett; Structure and Content in Previous Research: Nels Nelson's Excavations in the Galisteo Basin
 4:20 Kristen D. Martine; Variation in Small Site Ceramic Technology during the Historic Period (1540–mid-1800's) at Zuni, NM
 4:40 Ricky Lightfoot and Kristin A. Kuckelman; Warfare and the Pueblo Abandonment of the Mesa Verde Region

[90] Symposium: GREAT BASIN BIOARCHAEOLOGY: DESERT WETLANDS ADAPTATIONS

Room: South Ballroom B

Organizers and Chairpersons: Brian E. Hemphill and Clark S. Larsen**Participants:**

- 1:00 Steven R. Simms; Farmers and Foragers in the Great Salt Lake Wetlands at the Fremont to Late Prehistoric Transition
 1:20 Robert Kelly; Prehistoric Background to Stillwater Marsh Bioarchaeology Papers
 1:40 Albert Oetting; Prehistoric Wetland Adaptations in Harney Basin, Central Oregon
 2:00 Dennis O'Rourke, Ryan Parr, and Shawn Carlyle; Molecular Genetic Variation in Prehistoric Inhabitants of the Eastern Great Basin
 2:20 Joan B. Coltrain; The Great Salt Lake Wetlands: A Study in Prehistoric Diet

- 2:40 Margaret Schoeninger; Dietary Reconstruction in the Prehistoric Carson Desert: Stable Carbon and Nitrogen Isotopic Analysis
 3:00 Carol Loveland; A Biological Perspective on Prehistoric Human Adaptation in the Great Salt Lake Wetlands
 3:20 Greg C. Nelson; Dental Enamel Hypoplasia as Indicator of Physiologic Stress in a Skeletal Series from Malheur Lake, Oregon.
 3:40 Clark S. Larsen and Dale Hutchinson; Osteopathology of Hunter-Gatherers from the Carson Desert: Reconstructing Prehistoric Lifeways in the Western Great Basin
 4:00 Brian E. Hemphill; Wear and Tear: Analyses of Arthritis and Trauma among the Prehistoric Inhabitants of the Malheur Lake Wetlands
 4:20 Christopher Ruff; Skeletal Structure and Behavioral Patterns of Prehistoric Great Basin Populations
 4:40 Discussant: Robert Bettinger

[91] General Session: *EUROPEAN ARCHAEOLOGY*

Room: North Exhibit Hall A and B

Chairperson: Preston Miracle

Participants:

- 1:00 Brian Adams; Lithic Raw Material Utilization and the Transition from Middle to Upper Paleolithic in Northeast Hungary
 1:20 Steven Mertens; The Early Upper Paleolithic in Romania
 1:40 Chris O'Brien and Preston Miracle; Hominid Prey Acquisition in the Balkan Late Pleistocene
 2:00 Preston Miracle; Subsistence Intensification during the Late Glacial? Evidence from the Eastern Adriatic
 2:20 Ivan Pavlu; Enclosures of the European Danube Neolithic
 2:40 Matthew L. Murray; Acts of Enclosure: Socio-Political Ritual in Iron Age Central Europe
 3:00 Break
 3:20 Ilona Matkovszki; The Use and Significance of Aquatic Food Sources in a Floodplain Ecosystem during the Neolithic Period
 3:40 Robert H. Tykot; Neolithisation in the Western Mediterranean Islands
 4:00 John E. Robb; Evolutionary Consequences of a Symbolic Currency: The Case of Late Neolithic Italy
 4:20 Katina T. Lillios and Howard A. Snyder; Resource Selection and Groundstone Artifacts of the Portuguese Copper Age: A Contextual Approach to Prehistoric Technology
 4:40 Paula K. Lazarus; Farmers, Pastoralists and Environmental Degradation in Sardinia

[92] Symposium: *THE LITTORAL TRUTH: RECENT ADVANCES IN METHOD AND THEORY IN NORTH AMERICAN COASTAL SITES RESEARCH*

Room: Marina 3

Organizers: Brona G. Simon and Barbara E. Luedtke

Chairperson: Brona G. Simon

Participants:

- 1:20 Julie K. Stein; Shell Midden Stratigraphy: Linking Layers and Data
 1:40 David J. Bernstein, Robert M. Cerrato, and Heather V.E. Wallace; Late Woodland Use of Coastal Resources at Mount Sinai Harbor, Long Island, New York

- 2:00 Douglas J. Kennett; Oxygen Isotope Analysis of Estuarine Clam Shells as a Method for Reconstructing Patterns of Molluscan Use by Prehistoric Populations Living on the Coast of Southwestern Mexico
 2:20 Barbara E. Luedtke; Geology and Archaeology in Boston Harbor
 2:40 Robert A. Ricklis; Tracking the Effects of Sea Level Change on Biotic Ecosystems and Human Adaptation on the Texas Gulf Coast
 3:00 Break
 3:20 Madonna L. Moss and Jon M. Erlandson; Radiocarbon Dating as an Archaeological Survey Tool in Coastal Environments
 3:40 L. Mark Raab; Reassessing the Age and Importance of Southern California Maritime Societies among Archaic-Stage Cultural Adaptations
 4:00 Randolph J. Widmer; Theoretical Implications of Coastal Archaeology
 4:20 Discussant: Michael A. Glassow
 4:40 Discussant: Francis P. McManamon

[93] Symposium: *ARCHAEOLOGY AS A COLONIAL ENDEAVOR*

Room: Marina 4

Organizer and Chairperson: Randall H. McGuire

Participants:

- 1:00 Larry Benallie and Anthony L. Klesert; Native Americans as Professional Colleagues
 1:20 Larry Zimmerman and Leonard Bruguier; Usurping Native American Voice
 1:40 James Snead; "Know America First": Archaeology and Identity in the American Southwest during the Territorial Period
 2:00 Maria E. Villalpando; From Pinart to Rodriguez: Colonialist vs. Nationalistic Interests in Northwestern Mexico
 2:20 Christine Hastorf; Local Interactions and Local History in the Central Andes
 2:40 Tara Chadwick; Archaeology: Just Another Form of Colonialism? A Look at Archaeology in Belize
 3:00 Rasmi Shoocongdej; Colonialism and Nationalism in Southeast Asian Archaeology Viewed Through Native Eyes
 3:20 Tim Murray; Continuity and Discontinuity in Aboriginal Australia
 3:40 Philip L. Kohl; Colonialists Wearing White Hats: Internationalist "Readings of the Past" in the Former USSR
 4:00 LouAnn Wurst; Colonizing Ourselves: The Last Frontier?
 4:20 Randall H. McGuire; Decolonizing Archaeology
 4:40 Discussant: Jeremy Sabloff

[94] General Session: *EURASIAN AND PACIFIC ARCHAEOLOGY*

Room: North Ballroom A

Chairperson: John F. Hoffecker

Participants:

- 1:00 William McCormack; The Evolution of Long Distance Stone Procurement Systems in Palaeolithic India
 1:20 John F. Hoffecker, Robin L. Burgess, and Gennady Baryshnikov; Geoarchaeology and Zooarchaeology of a Mousterian Cave in the Northwestern Caucasus (Russia)
 1:40 Andrzej Weber; The Neolithic of the Lake Baikal and Angara River Region: A Review of Past and Present Research Advances
 2:00 Ted Goebel; Late Pleistocene Human Settlement of Subarctic Siberia
 2:20 Vladimir Pitulko; An Early Holocene Site in the Siberian High Arctic

- 2:40 Bong Kang; The Impact of Warfare in the Formation of Complex Societies in the Protohistoric Korean Peninsula
 3:00 Break
 3:20 A. Catherine D'Andrea; Later Jomon Plant Husbandry in Northeastern Japan
 3:40 J. Stephen Athens; Landscape Archaeology on a Micronesian High Island: Prehistoric Settlement and Agriculture in Kosrae
 4:00 Brian M. Butler; Paleoenvironment, Early Settlement, and the Archaeological Record of the Mariana Islands
 4:20 Robert Rechtman; Fijian Archaeology and the Reconstruction of Village-Level Social Hierarchies
 4:40 Gail M. Murakami and Michael J. Kolb; Cultural Dynamics and the Ritual Role of Woods in Pre-Contact Hawaii
- [95] **Invited Forum: NATIVE AMERICANS, ARCHAEOLOGISTS, AND SACRED PLACES**
Room: North Ballroom B
Organizer: Randall H. McGuire
Chairperson: Benjamin Rhodd
Time: 5:00–7:00
Participants:
 Richard Begay; Buster Yellow Kidney; Caleen Sisk; Alan Hare; Joseph Dishta
Discussant: Louis A. Redmond

SUNDAY MORNING APRIL 24, 1994

- [96] **Symposium: CONSTRUCTING AND INTERPRETING VARIATION: TYPOLOGY AND ALTERNATIVES**
Room: Marina 3
Organizer and Chairperson: Elizabeth S. Chilton
Participants:
 8:20 Elizabeth S. Chilton; Confronting Complexity: Material Culture in Historical Context
 8:40 Hector Neff; Why Archaeologists Like to Use Physics and Chemistry to Analyze Pottery
 9:00 Charlotte Beck and George T. Jones; Diffusion and Typological Variation
 9:20 H. Martin Wobst; Anti-Paradigmatic Typology, or the Repression of Variation in Archaeology
 9:40 Dwight Read; What Do We Need to Know to Do Quantitative Archaeology?
 10:00 Break
 10:20 Ezra Zubrow; Association, Spatial Variation, Spatial Taxonomy, and GIS in Archaeology
 10:40 Robert G. Goodby; Typology and Meaning: Problems with Imposing Order on Contact Period Ceramics from Southern New England
 11:00 James A. Brown; Typology for the 90's—What Have We Learned?
 11:20 Discussant: George L. Cowgill
 11:40 Discussant: Rosemary Joyce

- [97] **General Session: NORTH AMERICAN PALEO-INDIAN AND ARCHAIC ARCHAEOLOGY**
Room: Marina 1
Chairperson: Stanley Ahler
Participants:
 8:20 Virginia Butler and Christopher F. Waythomas; Recent Field Investigations at the Dalles Roadcut, Columbia River, Oregon
 8:40 Stanley Ahler, Matthew J. Root, Jerry D. William, and Lisa K. Shifrin; Folsom and Other Paleoindian Cultural Organization at the Knife River Flint Quarry Area, North Dakota
 9:00 Daniel Amick; Folsom Diet Breadth and Land Use in the American Southwest
 9:20 R.E. Taylor, Geoffrey Cunnar, and Richard S. MacNeish; Critical Evaluation of the Radiocarbon Chronology at Pendejo Cave, New Mexico
 9:40 Jose Lanata and C. Britt Bousman; Risk and Adaptive Strategies in Paleoindian Occupations at Central Texas
 10:00 Break
 10:20 Phil R. Geib; Continuous or Not? Archaic Occupation of the Central Colorado Plateau
 10:40 C. Russell Stafford, Ronald L. Richards, and C. Michael Anslinger; A View of Middle Archaic Foraging from an Upland Base Camp/Cemetery in Southwestern Indiana
- [98] **Symposium: GEOGRAPHIC APPROACHES TO THE STUDY OF PREHISTORIC AGGREGATION IN CENTRAL ARIZONA**
Room: South Ballroom A
Organizers and Chairpersons: Peter H. McCartney and Glenn E. Rice
Participants:
 8:20 Glen E. Rice and David Jacobs; Salado Platform Mounds and Settlement Networks in Central Arizona
 8:40 Marcia Regan, Joel D. Irish, and Christy G. Turner II; Skeletal and Dental Indicators of Health Among the Salado from Tonto Basin, Arizona
 9:00 Judi L. Cameron; Differences in Faunal Utilization at Large and Small Habitation Sites in the Tonto Basin, Arizona
 9:20 Glen Stuart and Suzanne K. Fish; Pollen Patterns and Regional Subsistence in the Tonto Basin
 9:40 Phil Dering; Saguaro as a Factor in the Distribution of Classic Period Salado Sites in the Tonto Basin, Arizona
 10:00 Break
 10:20 Carla Van West and Jeffrey H. Altschul; Modeling Agricultural Productivity, Carrying Capacity, and Cultural Change in the Tonto Basin: A Case Study Approach
 10:40 Michael R. Waters; Geoarchaeological Investigations in the Tonto Basin, Arizona
 11:00 Peter H. McCartney; Modeling Prehistoric Agricultural Systems in the Tonto Basin, Central Arizona
- [99] **Symposium: PREHISTORIC CULTURES AS COMPLEX ADAPTIVE SYSTEMS**
Room: Marina 2
Organizers: Michael W. Diehl and George J. Gumerman
Chairperson: Timothy A. Kohler
Participants:
 8:20 George J. Gumerman and Timothy A. Kohler; Archaeology and the Sciences of Complexity

- 8:40 Brian Hayden; Aggrandizers as System Organizers
 9:00 Michael Diehl; Self-Aggrandizers among Mogollon Late Pithouse Period Villagers?
 9:20 Stephen H. Lekson; Complexity at Chaco and Cahokia
 9:40 Robert J. Hommon; Emergent Complexity in Ancient Hawaii
 10:00 Break
 10:20 Stephen J. Shennan; The Emergence of Structure in Regional Archaeological Distributions
 10:40 Nicholas Gessler; Steps Towards Creating an "Artificial Culture": The Emergence of Global Cultural Patterns from Local Participant Rules
 11:00 Robert B. Gruber and Michael T. Dunne; Catastrophe Theory, Population Pressure, and Political Evolution
 11:20 James Doran; The EOS Project: Integrating Two Models of Paleolithic Social Change
 11:40 Discussant: Norman Yoffee

[100] Symposium: THE EVOLUTION OF SOCIAL COMPLEXITY IN POLYNESIA

Room: Marina 4
 Organizers: C. Kehauanani Abad and Terry L. Hunt
 Chairperson: C. Kehauanani Abad
 Participants:

- 8:20 Thegn N. Ladefoged; Socioeconomic Territories on Motutapu, Aotearoa
 8:40 Ross H. Cordy; Hawaiian Settlement Patterns in Times of Changing Social Complexity, 1770s-1820s: Implications for Prehistory
 9:00 Jane Allen; Organizing the Landscape: Agriculture and the Emergence of the Pre-Contact Hawaiian State
 9:20 David Addison; Prehistoric Marquesan Agriculture: Interrelationships between Environmental Variables, Agricultural Production, and Storage Techniques, and the Evolution of Social Complexity
 9:40 Roger C. Green; Archaeological Manifestations of Social and Political Organization in Polynesia
 10:00 Break
 10:20 Maria T.K. Sweeney, Patty J. Conte, and Michael J. Kolb; Roles and Reflections: Monumental Architecture and Explanatory Theory in Hawai'i
 10:40 C. Kehauanani Abad; The Evolutionary Implications of Hawaiian Monumental Architecture Seriations
 11:00 Shankar Aswani; Social Complexity and Tongan Maritime Expansion
 11:20 Discussant: James Boone
 11:40 Discussant: Michael W. Graves

[101] Symposium: THE JOHN W. GRIFFIN MEMORIAL SYMPOSIUM: THE MISSIONS OF SPANISH FLORIDA

Room: North Exhibit Hall F, G, and H
 Organizers and Chairpersons: Rochelle A. Marrinan and Bonnie G. McEwan

- Participants:
 8:20 Kathleen Hoffman and Kathleen A. Deagan; Franciscans, the Spanish Community, and Native Americans in 17th Century St. Augustine
 8:40 David Hurst Thomas; Native American Archaeology at Mission Santa Catalina de Guale, Georgia
 9:00 Rebecca Saunders; Model Behavior: Examples from the Mission Period in La Florida
 9:20 Bonnie G. McEwan; Ten Years of Archaeology at Mission San Luis

- 9:40 Rochelle A. Marrinan; Mission Patale: The Archaeology of an Outlying Apalachee Mission
 10:00 Break
 10:20 Lisa M. Hoshower; Bioanthropological Analysis of a Seventeenth-Century Native American Mission Population
 10:40 Donna Ruhl; From Apalachee to Guale: Similarities and Differences in the Archaeobotany of the Missions of Spanish Florida
 11:00 Discussant: Robert Hoover
 11:20 Discussant: Russell K. Skowronek

[102] General Session: ARCHAEOLOGY OF THE MODERN PERIOD

Room: North Exhibit Hall A and B

Chairperson: Michele Hayward

Participants:

- 8:20 Lawrence Moore; Studying the Modern World: Trends in Historical Archaeology
 8:40 Lee Novick; Waste Not: Depression Era Gold Mining in North Carolina
 9:00 Patricia McCoy and Robert E. King; "An Enormous and Continuous Body of Workable Gravel of Proved High Gold Content." Approaching Ten Decades of Mining, the Valdez Creek Mining Region, Alaska
 9:20 Joni Manson and David Snyder; Using Turn-of-the-Century Whitewares as Economic Indicators
 9:40 Michele Hayward and Michael Cinquino; Excavations at the San Juan National Historic Site, 1993, San Juan Puerto Rico

[103] Sponsored Symposium: ROCK ART: IMPLICATIONS FOR CULTURE HISTORY AND CULTURE PROCESS (ICOMOS, International Rock Art Committee)

Room: North Ballroom A

Organizers: David S. Whitley and Larry Loendorf

Chairperson: Larry Loendorf

Participants:

- 8:00 Matthew F. Schmader; Spatial Analysis of Rock Art Sites, Petroglyph National Monument
 8:20 Ralph Hartley and Anne W. Vawser; Going Nowhere: How to Know Where You are in the Desert Without a GPS
 8:40 Marvin W. Rowe, Marian Hyman, Ronnie L. Reese, James N. Derr and Scott K. Davis; Ancient DNA in Texas Pictographs
 9:00 Ronald I. Dorn, David S. Whitley and Joseph M. Simon; Rock Art and Pre-Clovis Colonization of the Americas
 9:20 Solveig Turpin and H.H. Eling, Jr.; Rock Art as Propaganda: Spanish and Native American Pictographs in the Bolson de Mapimi, Mexico
 9:40 James Keyser; Robe Art: the Missing Link in the Biographic Art Lexicon
 10:00 Break
 10:20 Carolyn E. Boyd and J. Phil Dering; Medicinal and Hallucinogenic Plants Identified in the Sediments and Pictographs of the Lower Pecos, Texas Archaic
 10:40 David S. Whitley; Origins of Great Basin Numic Political Differentiation
 11:00 Julie Francis; Rock Art Traditions in Northwestern Wyoming: Chronology, Spatial Distributions, and Implications for the Numic Spread
 11:20 Larry Loendorf; Shield-Bearing Warrior Pictographs from Montana to Colorado
 11:40 Discussant: Harry Shafer

[104] General Session: *FOOD SYSTEMS AND THEIR SOCIAL IMPLICATIONS*

Room: North Exhibit Hall I and J

Chairperson: Cathy Lebo

Participants:

- 8:20 David A. Phillips, Jr. and Thomas N. Motsinger; Predicting Locations of Prehistoric Ak-Chin Farms: An Example from Southern Arizona
 8:40 Cathy Lebo; The Myth of Marginality: Feast or Famine in the American Southwest?
 9:00 Jerryll Moreno; The Importance of High-Quality Protein Acquisition in Late Southwestern Prehistory and the Explanatory Power of Nutritional Models
 9:20 Jennifer Blitz; Dietary Reconstruction and Social Stratification: A Cross-Cultural Perspective
 9:40 Andrew Stewart; Effect of Food Shortages on Settlement Patterns among the Caribou Inuit in the Canadian Arctic
 10:00 Andrew Black; Social Aspects of Faunal Exploitation: An Example from Central Ghana
 10:20 Donald Pate; Stable Carbon Isotope Assessment of Hunter-Gatherer Mobility in Prehistoric South Australia

[105] General Session: *GREAT PLAINS AND ARCTIC ARCHAEOLOGY*

Room: North Exhibit Hall D and E

Chairperson: Peter Whitrige

Participants:

- 8:20 Peter Whitrige; The Rise and Fall of a Winter Village: Quantifying Thule Site Structure
 8:40 William Prentiss, Patrick F. Light, James M. Welch, and David D. Day; Lithic Debitage and Flake Tool Assemblage Formation at Two High Altitude Sites in Northern Wyoming
 9:00 Kenneth P. Cannon and Richard E. Hughes; Emerging Patterns of Obsidian Utilization in Yellowstone National Park
 9:20 Mavis Greer and John Greer; An Overview of Central Montana Rock Art
 9:40 Stephen C. Lensink and Fred A. Finney; Dealing with Risk in the Initial Middle Missouri Variant: Local Subsistence Systems and Regional Interaction Networks
 10:00 William Banks; Prehistoric Activities and Lithics of Farra Canyon: The Archaeology of a Small Catchment Basin

[106] Symposium: *RECENT STUDIES OF ANCIENT MAYA SKELETONS*

Room: South Ballroom B

Organizers: Stephen L. Whittington and David M. Reed

Chairperson: Stephen L. Whittington

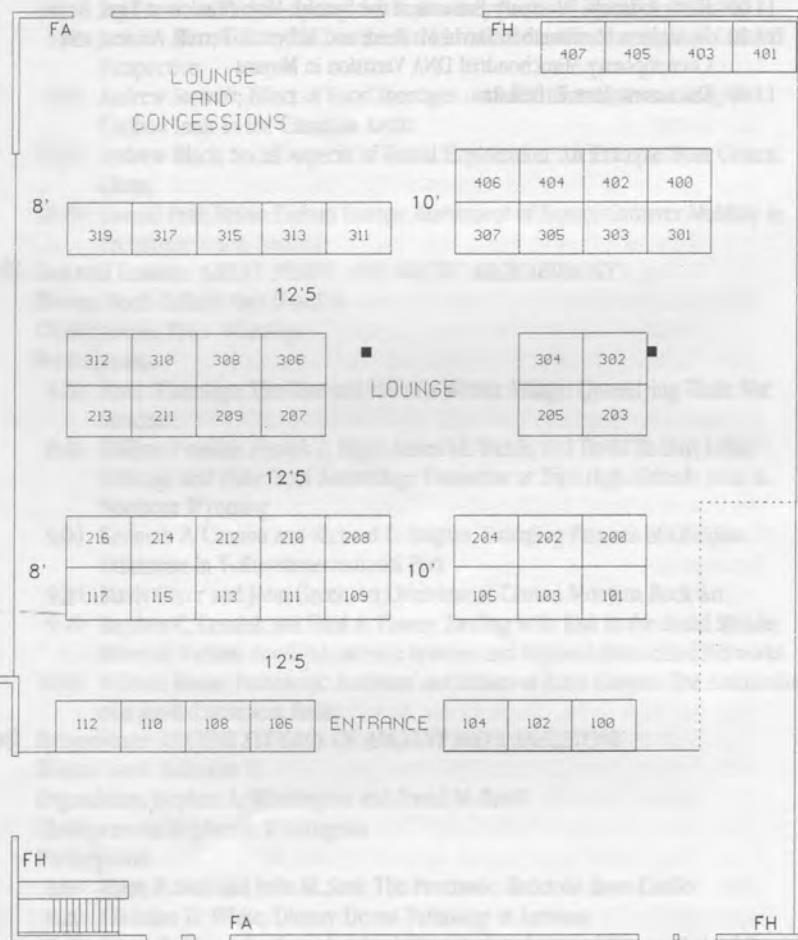
Participants:

- 8:00 Frank P. Saul and Julie M. Saul; The Preclassic Skeletons from Cuello
 8:20 Christine D. White; Dietary Dental Pathology at Lamanaí
 8:40 Diane Z. Chase; Southern Lowland Maya Archaeology and Human Skeletal Remains: Interpretations from Caracol (Belize), Tayasal (Guatemala), and Santa Rita Corozal (Belize)
 9:00 John P. Gerry; Classic Maya Dietary Patterns: The Significance of Social and Ecological Variables
 9:20 Stephen L. Whittington and David M. Reed; "Let Them Eat Cake": Low-Status Maya Diet at Copan, Honduras

- 9:40 Rebecca Storey; Children of Privilege and Stress in Late Classic Copan
 10:00 Lori E. Wright; Ancient Diet and Social Evolution in the Pasión Maya Lowlands: Insight from Bone Chemistry
 10:20 Marie E. Danforth; Childhood Health Patterns in the Late Classic Maya: Evidence from Enamel Microdefects
 10:40 Lorena M. Havill, Karen D. Gettelman, Diane M. Warren, Keith P. Jacobi, and Della C. Cook; Postclassic Tooth Filing at Chau Hiix, a Mayan Ceremonial Center in Belize
 11:00 Keith P. Jacobi; Mortuary Patterns at the Spanish-Maya Mission at Tipu, Belize
 11:20 D. Andrew Merriwether, David M. Reed, and Robert E. Ferrell; Ancient and Contemporary Mitochondrial DNA Variation in Mayans
 11:40 Discussant: Jane E. Buikstra

EXHIBIT DIRECTORY

South Exhibit Hall, Convention Center



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405	EthnoGraphics 707 E Main Street Urbana, Illinois 61801	<i>EthnoGraphics, a multimedia shop serving the anthropological and archaeological professions, will be demonstrating new media presentation technologies.</i>	100 / 102	National Park Service Archeological Assistance Division P.O. Box 37127 Washington, D.C. 20013-7127	<i>The National Park Service Archeological Assistance Division will be distributing free information about Federal archaeology and demonstrating the National Archeological Database (NADB).</i>
407	The J. Paul Getty Museum 17985 Pacific Coast Highway Malibu, California 90265	<i>Art and scholarly publications on Greek and Roman antiquities and conservation techniques and issues.</i>	209	Peabody Museum Harvard University 11 Divinity Avenue Cambridge, Massachusetts 02138	<i>Peabody Museum Publications has published scholarly monographs about its research activities since 1888. We will display new titles in the field of archaeology.</i>
200	International Monographs in Prehistory P.O. Box 1266 Ann Arbor, Michigan 48106-1266	<i>Publisher of scholarly monographs on world prehistory and ethnoarchaeology. Distributor of University of Pittsburgh Latin American archaeology publications.</i>	315	Plenum Publishing Corporation 233 Spring Street New York, New York 10013	<i>Monographs, treatises, advanced texts, symposia, series, and journals in archaeology and related fields.</i>
317	Jack Scott—Archaeological Illustration 899 South Plymouth Court #609 Chicago, Illinois 60605-2043	<i>Professional illustrator/calligrapher with a background in archaeology including two seasons of fieldwork.</i>	319	Project for Archaeology in the Public Interest Anthropology Department, CA 433 IUPUI 425 University Boulevard Indianapolis, Indiana 46202	<i>Public Archaeology Review.</i>
406	Ketaca 91 High Street Belfast, Maine 04915	<i>Unusual goods reflecting the distant past and far away present.</i>	109	Quaternary Investigations, Inc. 300 West Olive Street, Suite A Colton, California 92324	<i>Archaeological geology, geomorphology, subsurface exploration, soil stratigraphy.</i>
306 / 308	Louis Collins Rare Books 1211 East Denny Seattle, Washington 98122	<i>Out-of-print books especially in anthropology and archaeology.</i>	402	Routledge 29 West 35th Street New York, New York 10001	
112	Mayfield Publishing 1280 Villa Street Mountain View, California 94041	<i>College texts.</i>	210	Smithsonian Institution Press 470 L'Enfant Plaza, Suite 7100 Washington, D.C. 20560	<i>An assortment of scholarly publications focusing on topics related to anthropology and archaeology.</i>
403	MBNA America 400 Christiana Road Newark, Delaware 19713	<i>MBNA will be promoting the Society for American Archaeology credit card program. Individuals applying will receive a free gift.</i>	203 / 205 302 / 304	Society for American Archaeology Membership Services 900 Second Street NE, Suite 12 Washington, D.C. 20002-3557	<i>Information on membership status, services, and benefit programs, plus a new line of SAA merchandise available for purchase.</i>
110	Missing Link Data Systems Suite 20 D Putnam Green Greenwich, Connecticut 06830	<i>A demonstration of CRM field data collection utilizing handheld computers and desktop PCs.</i>			
101	National Endowment for the Humanities 1100 Pennsylvania Avenue Washington, D.C. 20506	<i>Federal funding opportunities for archaeologists.</i>			

303	Society for American Archaeology Public Education Committee c/o K C Smith Museum of Florida History 500 South Bronough Street Tallahassee, Florida 32399-0250	<i>Examples of pre-collegiate educational materials compiled by the SAA Public Education Committee.</i>
213	Society for Archaeological Sciences University of California at Riverside Department of Anthropology Riverside, California 92521-0418	
117	Society for California Archaeology c/o Joanne Mack 1012 Butte Street Claremont, California 91711	
310	Society for Historical Archaeology P.O. Box 30446 Tucson, Arizona 85751	
216	Society of Professional Archeologists c/o Heather McKillop Department of Geography & Anthropology Louisiana State University Baton Rouge, Louisiana 70803-4105	
212	Thames and Hudson 500 Fifth Avenue New York, New York 10110	<i>Archaeology books.</i>
305	The University of Alabama Press Box 870380 Tuscaloosa, Alabama 35487-0380	
111 / 113	University of Arizona Press 1230 N Park Avenue #102 Tucson, Arizona 85719	<i>New books in archaeology and anthropology.</i>
214	University of Iowa Press 100 Kuhl House Iowa City, Iowa 52242-1000	<i>Books in many areas of archaeology and anthropology.</i>

312	University of Nevada at Reno Division of Continuing Education Reno, Nevada 89557	<i>Information is available about the Cultural Resources Management courses; photographs from previous courses are displayed.</i>
202 / 204	University of New Mexico Press 1720 Lomas Blvd, N.E. Albuquerque, New Mexico 87131-1591	<i>Scholarly books in the fields of anthropology/archaeology, photography, Western history, and Latin American studies.</i>
208	University of Oklahoma Press 1005 Asp Avenue Norman, Oklahoma 73019-0445	<i>A wide variety of interesting scholarly books of interest to the attendees.</i>
106 / 108	University of Texas Press P.O. Box 7819 Austin, Texas 78713-7819	<i>New and recent scholarly publications on archaeology, anthropology, and related disciplines.</i>
115	University of Utah Press 101 University Services Building Salt Lake City, Utah 84112	
301	U.S. Army Corps of Engineers 1325 J Street Sacramento, California 95814-2922	<i>United States Army "Partners in Preservation" Spanish colonial archeology to architecture—historic preservation at the Presidio of San Francisco and Hamilton Army Airfield.</i>