

MARQUARDT

# Program of the 63rd Annual Meeting

SOCIETY FOR AMERICAN ARCHAEOLOGY



*Sleni Tsyet-s*

*The Lady Welcomes/Thanks with Her Hands*

Seattle, Washington  
March 25-29, 1998

**SAA**  
SOCIETY FOR AMERICAN ARCHAEOLOGY

# PROGRAM OF THE 63RD ANNUAL MEETING

Map of Sheraton Seattle and Washington State  
Convention and Trade Center

Meeting Organizers, SAA Board Members  
and SAA Staff

General Information

March 25-29, 1998  
Seattle, Washington

Program

Awards Presentation and Annual Business  
Meeting

SAA Awards

President of SAA

**SAA**  
SOCIETY FOR AMERICAN ARCHAEOLOGY

SOCIETY FOR AMERICAN ARCHAEOLOGY

THE ANNUAL MEETING of the Society for American Archaeology provides a forum for the dissemination of knowledge and discussion. The views expressed at the sessions are solely those of the speakers and the society does not endorse, approve, or censor them. Descriptions of events and titles are those of the organizers, not the society.


*Program of the 63rd Annual Meeting*

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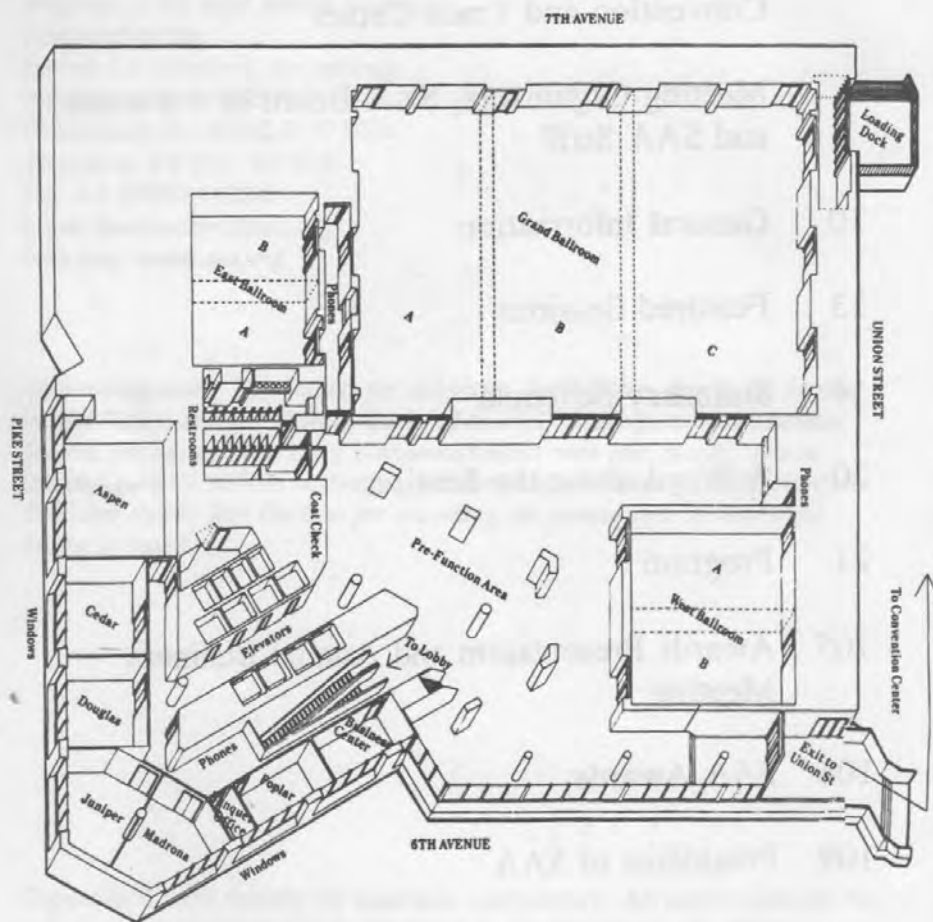
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## SHERATON SEATTLE

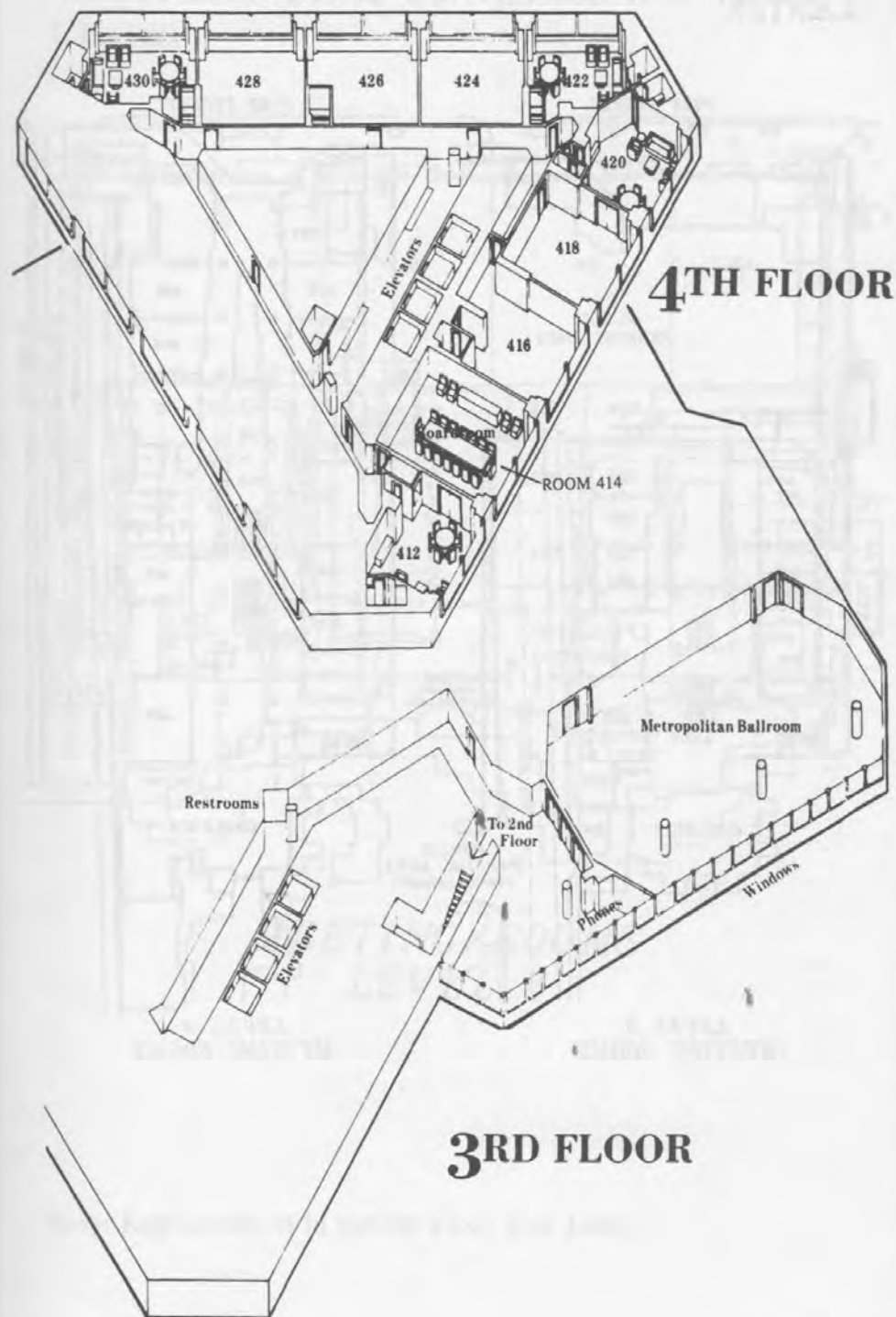
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**2ND FLOOR**

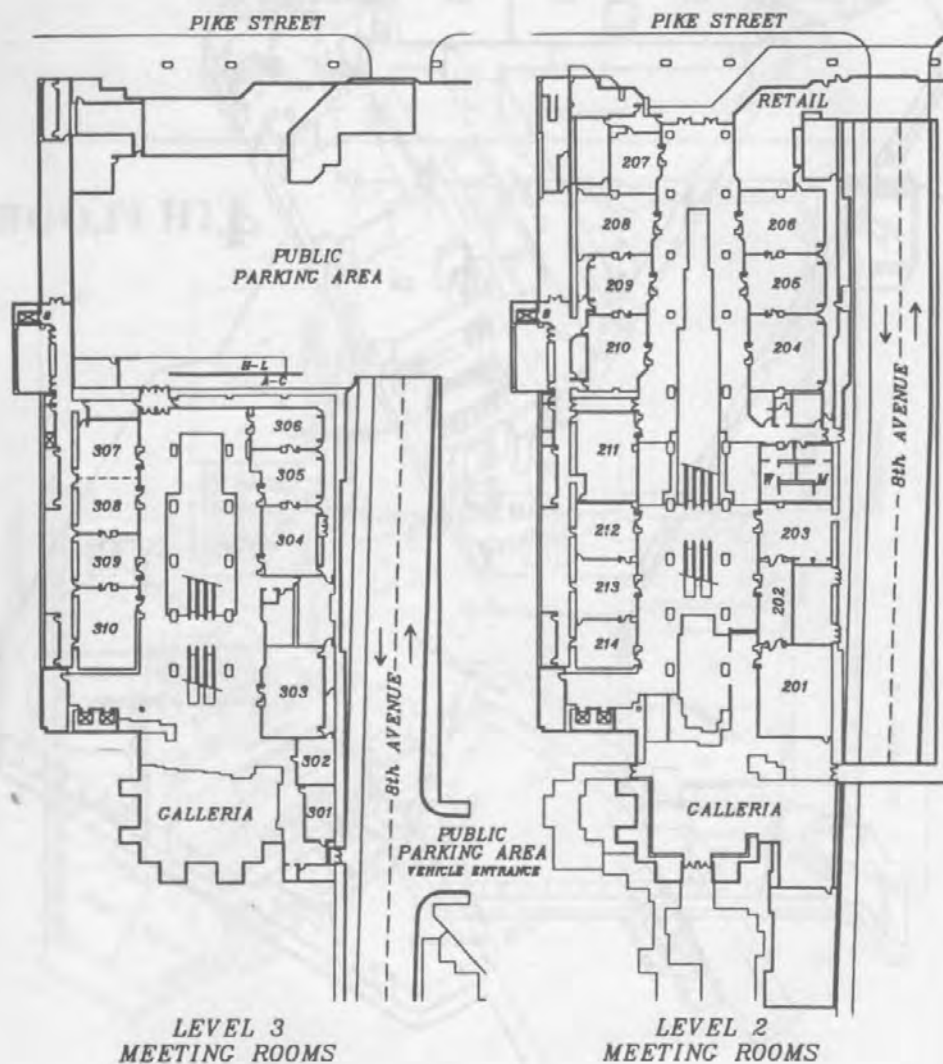
## SHERATON SEATTLE

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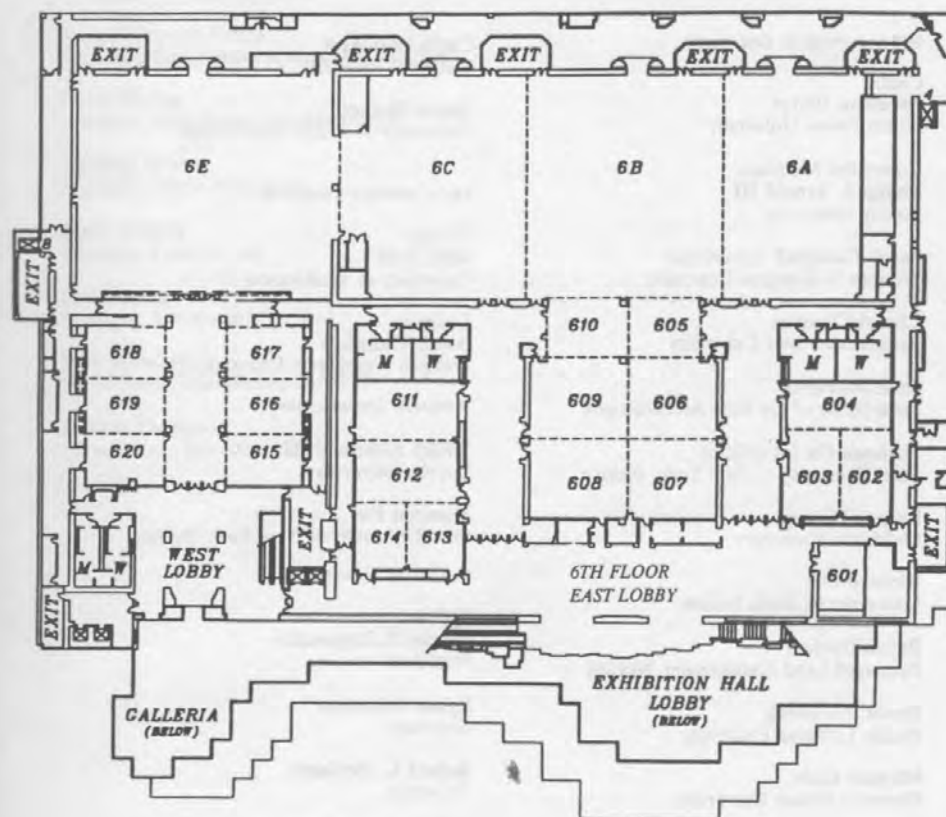


**3RD FLOOR**

# WASHINGTON STATE CONVENTION AND TRADE CENTER



# WASHINGTON STATE CONVENTION AND TRADE CENTER



## MEETING ROOMS LEVEL 6

Note: Registration is in the 6th Floor East Lobby.

# SOCIETY FOR AMERICAN ARCHAEOLOGY

## 63rd Annual Meeting

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### PROGRAM OF THE 63RD ANNUAL MEETING

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Coordinator, Administrative Services

# GENERAL INFORMATION

## Meeting Room Locations

As meetings are scheduled at both the Sheraton Seattle and the Washington State Convention and Trade Center, the following location designators will be used in conjunction with room names/numbers: SS = Sheraton Seattle  
CC = Convention Center

## Abstracts

Abstracts of individual presentations are published in the *Abstracts of the 63rd Annual Meeting* and may be purchased, while supplies last, at the On-site Registration Desk (members \$16, nonmembers \$20). Meeting participants who paid in advance for the book will find a ticket inside their registration packets, which can be exchanged for the book at the Abstracts Desk (6th Floor East Lobby of the Convention Center).

## Awards Celebration/Annual Business Meeting

The society's annual awards presentation and business meeting will be held at 5 pm on Friday in Ballroom 6E (CC).

## Employment Service

SAA's Employment Service Center (ESC) provides the resources you need to find the perfect match—job announcements posted for maximum visibility, résumés available for on-site review, and reserved interview space. The ESC will be open on Wednesday, 2 to 8 pm, Thursday through Saturday, 8 am to 6 pm, and Sunday, 8 am to 12 noon, Hospitality Room 422 (SS). Résumés and job descriptions may be registered with the service throughout the meeting. Interview space will be available by reservation, and message forms will be provided and box numbers assigned for use in the employment service message center. This service is free to employers and SAA members.

## Excursions

A limited number of tickets may be available for excursions. Please check at the on-site Registration Desk, where a description of each excursion is also available. All excursions require tickets. Meeting participants who registered in advance for excursions will find tickets in their registration packets. All Seattle excursions do allow companions to accompany meeting attendees. A companion fee of \$7.00 is required **in addition** to the price of the ticket.

## Exhibits

The SAA Annual Meeting Exhibit provides an exciting array of products and services for you to review—you'll find technology, field equipment, publications, archaeological services, and tours! All the tools and information you are looking for will be on display Thursday, March 26, through Saturday, March 28, from 9 am to 5 pm.

## Message Center

A self-service message center will be open in the 6th Floor East Lobby (CC) on Wednesday from 2 to 8 pm, Thursday through Saturday from 7 am to 6 pm, and Sunday from 7 am to 12 noon. Please check the video monitors at the center to determine if a message has been left for you. You are also encouraged to complete a locator card (available at the Message Center) and leave it with the attendant so that other registrants know where to reach you by telephone during your stay in Seattle.

## Office

The SAA Staff Office at the Sheraton Seattle is located in the Madrona Room and will be open on Tuesday, March 24. The SAA Staff Office at the Convention Center is located in Room 601 and will be open beginning Wednesday, March 25, at 2 pm.

## Poster Sessions

Poster sessions will be conducted in Ballroom 6A on Thursday (8 am to 12 noon and 1 to 5 pm) and Friday (8 am to 12 noon). Each session contains different posters, whose authors and space assignments are listed in the program. Awards for outstanding posters from this meeting will be presented during the awards ceremony (Friday, 5 pm).

## Press Office

The Press Office, located in Poplar at the Sheraton Seattle, will be open Wednesday through Saturday, 9 am to 6 pm, and Sunday, 9 am to 12 noon.

## Registration

Registration is located in the 6th Floor East Lobby of the Convention Center and is open on Wednesday, 2 to 8 pm; Thursday, 7 am to 6 pm; Friday, 7 am to 5 pm; Saturday, 7 am to 6 pm; and Sunday, 7 to 9 am. Individuals who registered by February 23 can pick up their registration packets at the Advance Registration counters. Individuals who have not registered in advance should report to the On-Site Registration desk. *A badge is required for admission to meeting sessions, workshops, excursions, and exhibits (companions—your tickets will be your entry for excursions).* A \$5 fee will be charged to replace a badge or program book.

## Roundtable Luncheons/Continental Breakfast

A limited number of tickets for roundtable luncheons may be available to registered meeting participants; tickets (\$7.10) and information on topics and moderators are located at the On-Site Registration desk.

- Thursday—Thematic Roundtable Luncheons  
*Purchase tickets by 8 pm Wednesday*
- Friday—Thematic Roundtable Luncheons  
*Purchase tickets by 6 pm Thursday*
- Saturday—Roundtable Breakfast: Issues for Women as Professionals in Archaeology (sponsored by SAA Committee on the Status of Women in Archaeology)  
*Purchase tickets by 6 pm Friday*

Meeting participants who registered in advance for roundtable luncheons/breakfast will find tickets in their registration packets.

## SAA Booth

The SAA Booth is bigger and better than before! Stop by to browse sample publications, shop the complete line of SAAgear—the official line of SAA merchandise—and pick up the latest information on your SAA member benefits. Not yet a member? We'll be happy to sign you up on the spot!

## Smoking Policy

Smoking in meeting rooms is prohibited.

## Slide Screening

For presenters who wish to check their slides before presentation, 35mm

slide viewers will be available in the slide screening area located in Room 202 of the Convention Center. Presenters must provide their own carousel trays. The slide screening booths will be open on Wednesday from 2 to 8 pm, Thursday from 7 am to 10 pm, Friday and Saturday from 7 am to 6 pm, and Sunday from 7 am to 12 noon.

### Student and New Member Reception

Students, new members, and members attending their first Annual Meeting are invited to a reception on Wednesday evening from 9 to 10 pm in Metropolitan (SS). The society's Board of Directors, as host, will provide a drink ticket for those registered for the reception; you may exchange your drink ticket for a soft drink or use it toward the purchase of an alcoholic beverage. Meeting participants who registered in advance for this reception will find the drink ticket in their registration packets.

### Symposia and Session Chairs

Please maintain the established schedule in fairness to persons planning to attend particular presentations; please pause for the period allotted in the program if a scheduled speaker fails to appear.

### Meeting Services—Hours of Operation

	Wednesday	Thursday	Friday	Saturday	Sunday
REGISTRATION	2 pm to 8 pm	7 am to 6 pm	7 am to 5 pm	7 am to 6 pm	7 am to 9 am
MESSAGE CENTER	2 pm to 8 pm	7 am to 6 pm	7 am to 6 pm	7 am to 6 pm	7 am to noon
EMPLOYMENT SERVICE CENTER	2 pm to 8 pm	8 am to 6 pm	8 am to 6 pm	8 am to 6 pm	8 am to noon
SPEAKER READY	2 pm to 8 pm	7 am to 6 pm	7 am to 6 pm	7 am to 6 pm	7 am to noon
PRESS OFFICE	9 am to 6 pm	9 am to 6 pm	9 am to 6 pm	9 am to 6 pm	9 am to noon
EXHIBITS		9 am to 5 pm	9 am to 5 pm	9 am to 5 pm	

## FEATURED SESSIONS

### Opening Session

The opening session, organized by Lynn Larson and Dennis Lewarch, is scheduled for Wednesday evening, March 25, at 7 pm in Ballroom 6E of the Convention Center. The session explores some of the unique contributions to archaeology in the Pacific Northwest and provides a variety of perspectives on the state of Washington and the surrounding regions.

### Plenary Session

The plenary session, organized by Joseph Tainter and scheduled for Friday evening, March 27, at 7:30 pm, also in Ballroom 6E of the Convention Center, explores the convergence of rising population, environmental transformation, and a changing climate, which challenge policymakers to look beyond their customary reliance on biophysical science, economics, and the recent past. Humans transform the biosphere and respond to changes within it and do so on timescales ranging up to tens of millennia. Today's circumstances can be fully understood only in a historical framework that recognizes humans as agents in ecosystem structure, process, and change. The presentations in this session combine archaeological and paleoenvironmental data from the Old and New Worlds to examine relations among climate, environment, ethnic differentiation, and land use and degradation. Such studies recommend a role for archaeology in policy debates and the political process.

### Special NAGPRA Forum

A forum, NAGPRA: Current Issues and Future Prospects, sponsored by the SAA Committee on Repatriation, has been organized to achieve several goals, primary of which is to inform SAA members of the activities of the committee, summarize several of the most current issues related to repatriation, and provide an open interactive forum for discussion of repatriation as it relates to SAA. In particular, the session will discuss several pieces of pending legislation that would amend the act and will present issues relating to compliance with the act.

### Public Session

The eighth annual Public Session is scheduled for Saturday afternoon, March 28, from 1 to 3 pm. For the first time this session is being held away from the conference site. The Museum of Flight will host our speakers who discuss the theme *What Lies beyond the Shore? Underwater Archaeology of Prehistoric and World War II Sites*. The museum is located at 9404 E. Marginal Way South and can be reached by car by taking Exit 158 from Interstate 5. Or you can take METRO bus #174 from downtown Seattle or Sea-Tac Airport. Parking is free.

### Celebrate Archaeology 1997-1998 by Using Your Ballot!

This year your registration package includes a ballot for the Archaeology Week/Month Poster Contest. Visit the Exhibit Hall display of these colorful advertisements for archaeology, beginning on Thursday morning. Use your ballot to vote for the one you like best. The balloting will close at 1 pm on Friday, and the prizes will be awarded at the Annual Business Meeting and Awards Celebration at 5 pm on Friday. This is the third year the poster contest has been sponsored by the Public Education Committee and the Council of Affiliated Societies.

# SUMMARY SCHEDULE

*Note: Events take place at two venues. The Sheraton Seattle is indicated as (SS) and the Washington State Convention and Trade Center is shown as (CC).*

## MONDAY, MARCH 23

8:00 am-4:00 pm  
Cedar (SS)  
Bureau of Reclamation Cultural Resources Staff Meeting (by invitation)

8:30 am-5:00 pm  
Douglas (SS)  
Natural Resources Conservation Service (NRCS) Cultural Resources Specialists Meeting

9:00 am-6:00 pm  
Poplar (SS)  
Press Office

3:00 pm-6:00 pm  
Presidential Suite (SS)  
SAA Executive Committee Meeting

6:00 pm-10:00 pm  
Douglas (SS)  
Public Education Committee Leadership Meeting

7:00 pm-10:00 pm  
Hospitality Room 418 (SS)  
American Cultural Resources Association (ACRA) Board Meeting

## TUESDAY, MARCH 24

8:00 am-4:00 pm  
Cedar (SS)  
Bureau of Reclamation Cultural Resources Staff Meeting (cont.)

8:00 am-6:00 pm  
Hospitality Rooms 422 and 424 (SS)  
National Park Service Archeology Meeting (by invitation)

8:30 am-5:00 pm  
Douglas (SS)  
NRCS Cultural Resources Specialists Meeting (cont.)

8:30 am-5:00 pm  
Aspen (SS)  
US Army Corps of Engineers Meeting of Cultural Resources Specialists and Managers

8:30 am-6:00 pm  
Cirrus Ballroom (SS—35th floor)  
Paleoanthropology Society Annual Meeting  
Registration fee \$15 at door

9:00 am-6:00 pm  
Poplar (SS)  
Press Office

## WEDNESDAY, MARCH 25

2:00 pm-8:00 pm  
6th Floor East Lobby (CC)  
Meeting Registration

8:00 am-4:00 pm  
Cedar (SS)  
Bureau of Reclamation Cultural Resources Staff Meeting (cont.)

8:00 am-5:00 pm  
Juniper (SS)  
SAA Board of Directors Meeting

8:00 am-5:00 pm  
Grand Ballroom A (SS)  
Public Education Committee Meeting (by invitation)

8:00 am-5:00 pm  
West Ballroom A (SS)  
Association of Transportation Archaeologists Workshop

8:00 am-5:00 pm  
Hospitality Room 418 (SS)  
ACRA Board Meeting

8:00 am-6:00 pm  
Grand Ballroom C (SS)  
National Park Service Archeology Meeting (cont.)

8:30 am-12:00 noon  
Hospitality Room 416 (SS)  
Workshop Archaeomagnetic Dating I

## PROGRAM OF THE 63RD ANNUAL MEETING

(CC) = Convention Center (SS) = Sheraton Seattle 15

8:30 am-4:30 pm  
Metropolitan (SS)  
US Department of Energy Annual Cultural Resources Forum (by invitation)

8:30 am-5:00 pm  
Hospitality Room 428 (SS)  
Society for Phytolith Research: A Microscope Workshop

8:30 am-5:00 pm  
Douglas (SS)  
NRCS Cultural Resources Specialists Meeting (cont.)

8:30 am-5:00 pm  
Aspen (SS)  
US Army Corps of Engineers Meeting of Cultural Resources Specialists and Managers (cont.)

8:30 am-6:00 pm  
East Ballroom (SS)  
Paleoanthropology Society Annual Meeting (cont.)

9:00 am-6:00 pm  
Poplar (SS)  
Press Office

9:00 am-12:00 noon  
Hospitality Room 424 (SS)  
Workshop National Register of Historic Places

12:00 noon-1:30 pm  
Ballroom 6E (CC)  
Volunteer Orientation Meeting (by invitation)

1:00 pm-4:00 pm  
Hospitality Room 426 (SS)  
Publications Committee Meeting

1:00 pm-5:00 pm  
West Ballroom B (SS)  
Workshop Improving CRM Practices

1:00 pm-5:00 pm  
Hospitality Room 424 (SS)  
Society of Professional Archeologists—Old Board Meeting

1:30 pm-5:00 pm  
Grand Ballroom B (SS)  
Workshop Archaeomagnetic Dating II

2:00 pm-5:00 pm  
Excursion Historic Seattle and Seattle Underground Tour

2:00 pm-5:00 pm  
Excursion Seattle City Highlights

2:00 pm-8:00 pm  
Hospitality Room 422 (SS)  
Employment Service Center

3:00 pm-5:00 pm  
Hospitality Room 416 (SS)  
Student Affairs Committee Meeting

5:00 pm-6:00 pm  
Presidential Suite (SS)  
Presidents Advisory Board Reception (by invitation)

5:00 pm-6:00 pm  
Cedar (SS)  
Federal Preservation Forum Board Meeting

5:00 pm-7:00 pm  
Hospitality Room 426 (SS)  
Publications Committee Meeting

7:00 pm-9:00 pm  
Ballroom 6E (CC)  
Opening Session

9:00 pm-10:00 pm  
Metropolitan (SS)  
Student and New Member Welcome Reception

## THURSDAY, MARCH 26

7:00 am-6:00 pm  
6th Floor East Lobby (CC)  
Meeting Registration

7:00 am-9:00 am  
Hospitality Room 416 (SS)  
Ethics Committee Meeting

8:00 am-10:00 am  
Hospitality Room 424 (SS)  
Fundraising Committee Meeting

8:00 am-12:00 noon  
Room 211 (CC)  
Invited Forum Regional, State, and Local Professional Councils and SAA

8:00 am-12:00 noon  
Room 303 (CC)  
*Sponsored Forum* Draft Protocol for  
Non-Recent Human Remains Found on  
Federal Land

8:00 am-12:00 noon  
Room 603 (CC)  
*Forum* Paleoethnobotany in the Future

8:00 am-12:00 noon  
Ballroom 6A (CC)  
Posters

8:00 am-12:00 noon  
Symposia

8:00 am-6:00 pm  
Hospitality Room 422 (SS)  
Employment Service Center

8:00 am-12:00 noon  
Douglas (SS)  
Society of Professional  
Archeologists—New Board Meeting

8:00 am-12:00 noon  
Aspen (SS)  
*Workshop* Obsidian Hydration I

9:00 am-11:00 am  
*Excursion* Walking Tour of Downtown  
Seattle

9:00 am-12:00 noon  
Hospitality Room 426 (SS)  
Archaeological Resource Awareness  
Meeting  
(by invitation)

9:00 am-12:00 noon  
*Excursion* Seattle City Highlights

9:00 am-5:00 pm  
Ballrooms 6BC (CC)  
Exhibit Hall

9:00 am-6:00 pm  
Poplar (SS)  
Press Office

10:00 am-12:00 noon  
West Ballroom A (SS)  
*Workshop* Surviving Graduate School

12:00 noon-1:00 pm  
Grand Ballroom A (SS)  
Thematic Roundtable Luncheon

12:00 noon-1:00 pm  
Hospitality Room 424 (SS)  
Society for Phytolith Research Board of  
Directors Meeting

12:00 noon-2:00 pm  
West Ballroom B (SS)  
Society of Professional Archeologists  
Business Meeting

12:00 noon-3:00 pm  
*Excursion* Cruise the Locks and Seattle  
Harbor Tour

1:00 pm-3:00 pm  
West Ballroom A  
*Workshop* Writing and Publishing Your  
Dissertation or Thesis

1:00 pm-3:00 pm  
*Excursion* Walking Tour of Seattle  
Public Art

1:00 pm-5:00 pm  
Ballroom 6A (CC)  
Posters

1:00 pm-5:00 pm  
Symposia

1:00 pm-5:00 pm  
Aspen (SS)  
*Workshop* Obsidian Hydration II

1:00 pm-5:00 pm  
Cedar (SS)  
*Workshop* Presenting Archaeology to  
Children

1:00 pm-5:00 pm  
Room 303 (CC)  
*Sponsored Forum* What Would You Do  
If . . . ?

4:00 pm-6:00 pm  
Grand Ballroom A (SS)  
Committee on the Americas Meeting

4:00 pm-6:00 pm  
Grand Ballroom A (SS)  
Archaeological Law Enforcement Task  
Force Meeting

4:00 pm-6:00 pm  
Grand Ballroom A (SS)  
Awards Committee Meeting

4:00 pm-6:00 pm  
Grand Ballroom A (SS)  
Book Award Committee Meeting

4:00 pm-6:00 pm  
Grand Ballroom A (SS)  
Committee on Consulting Archaeology  
Meeting

4:00 pm-6:00 pm  
Grand Ballroom A (SS)  
Committee on Government Archaeology  
Meeting

4:00 pm-6:00 pm  
Grand Ballroom A (SS)  
History of Archaeology Committee  
Meeting

4:00 pm-6:00 pm  
Investment and Finance Committee  
Meeting

4:00 pm-6:00 pm  
Grand Ballroom A (SS)  
National Historic Landmarks Committee  
Meeting

4:00 pm-6:00 pm  
Grand Ballroom A (SS)  
Native American Scholarships  
Committee Meeting

4:00 pm-6:00 pm  
Grand Ballroom A (SS)  
Public Education Award Committee  
Meeting

4:00 pm-6:00 pm  
Grand Ballroom A (SS)  
Public Relations Committee Meeting

4:30 pm-6:30 pm  
East Ballroom A (SS)  
Society for Archaeological Sciences  
Annual Business Meeting

5:00 pm-6:00 pm  
West Ballroom A (SS)  
Geoarchaeology Interest Group Meeting

5:00 pm-6:00 pm  
West Ballroom B (SS)  
Rock Art Interest Group Meeting

5:00 pm-6:00 pm  
Hospitality Room 428 (SS)  
Fiber-Perishables Interest Group Meeting

5:00 pm-6:00 pm  
Grand Ballroom C (SS)  
Women in Archaeology Interest Group  
Meeting

5:00 pm-7:00 pm  
Grand Ballroom B (SS)  
Archaeobiology Interest Group Meeting

5:30 pm-7:00 pm  
Cedar (SS)  
International Association for Obsidian  
Studies Annual Meeting

6:30 pm-8:30 pm  
West Ballroom B (SS)  
National Video Premiere: *Searching for  
the Great Hopewell Road*

7:00 pm-9:00 pm  
East Ballroom A (SS)  
State and Provincial Archaeology  
Education Network Coordinators  
Meeting

9:00 pm-10:30 pm  
Grand Ballroom C (SS)  
SAA Committee Reception  
(by invitation)

## FRIDAY, MARCH 27

7:00 am-5:00 pm  
6th Floor East Lobby (CC)  
Meeting Registration

9:00 am-11:00 am  
Room 604 (CC)  
*Forum* Washington Politics and  
Archaeology

8:00 am-12:00 noon  
Board Room 414 (SS)  
AAA Archeology Division Executive  
Committee Meeting

8:00 am-12:00 noon  
Ballroom 6A (CC)  
Posters

8:00 am-12:00 noon  
Symposia

8:00 am-5:00 pm  
East Ballroom A (CC)  
*Workshop* Radiocarbon and Carbon  
Stable-Isotope Analyses

8:00 am-6:00 pm  
Hospitality Room 422 (SS)  
Employment Service Center

9:00 am-11:00 am  
West Ballroom B (SS)  
Council of Affiliated Societies Annual  
Business Meeting

9:00 am-11:00 am  
*Excursion* Walking Tour of Seattle  
Public Art

9:00 am-5:00 pm  
Ballrooms 6BC (CC)  
Exhibit Hall

9:00 am-6:00 pm  
Poplar (SS)  
Press Office

12:00 noon-1:00 pm  
Metropolitan (SS)  
Thematic Roundtable Luncheon

12:00 noon-2:00 pm  
Cedar (SS)  
ACRA Meeting

12:00 noon-2:00 pm  
Hospitality Room 426 (SS)  
Government Affairs Committee Meeting

1:00 pm-2:30 pm  
Hospitality Room 416 (SS)  
SAAweb Focus Group  
(by invitation)

1:00 pm-3:00 pm  
*Excursion* Walking Tour of Downtown  
Seattle

1:00 pm-5:00 pm  
Ballroom 6A (CC)  
Posters

1:00 pm-5:00 pm  
Symposia

1:00 pm-5:00 pm  
Room 303 (CC)  
*Forum* Evolutionary Theory in Oceania

1:00 pm-5:00 pm  
Juniper (SS)  
*Workshop* Interviews, Press Releases,  
and Other Media Surprises

2:00 pm-3:30 pm  
Hospitality Room 418  
*Latin American Antiquity* Editorial Board  
(by invitation)

2:00 pm-4:00 pm  
West Ballroom B (SS)  
*Workshop* Presenting Archaeology to  
Adults

4:00 pm-5:30 pm  
Metropolitan (SS)  
Women in Archaeology Reception (cash  
bar)

5:00 pm-6:15 pm  
Ballroom 6E (CC)  
Awards Presentation and Annual  
Business Meeting

5:30 pm-7:30 pm  
6th Floor West Lobby (CC)  
Plenary Reception (cash bar)

6:30 pm-7:25 pm  
Rooms 615/616/617 (CC)  
*Sponsored Forum* NAGPRA: Current  
Issues and Future Prospects

7:00 pm-10:00 pm  
*Excursion* Microbrewery Tour and Pub  
Crawl

7:30 pm-9:30 pm  
Ballroom 6E (CC)  
Plenary Session

#### SATURDAY, MARCH 28

7:00 am-6:00 pm  
6th Floor East Lobby (CC)  
Meeting Registration

7:00 am-8:00 am  
Ballroom 6E (CC)  
COSWA Roundtable Breakfast

8:00 am-12:00 noon  
Symposia

8:00 am-6:00 pm  
Juniper (SS)  
SAA Board of Directors Meeting

8:00 am-6:00 pm  
Hospitality Room 422 (SS)  
Employment Service Center

#### MONDAY, MARCH 30

8:30 am-5:00 pm  
East Ballroom A (SS)  
*Workshop* NAGPRA's Evolving Legacy

#### TUESDAY, MARCH 31

8:30 am-5:00 pm  
East Ballroom A (SS)  
*Workshop* NAGPRA's Evolving Legacy

9:00 am-6:00 pm  
Poplar (SS)  
Press Office

9:00 am-1:00 pm  
Hospitality Room 416 (SS)  
National Association of State  
Archaeologists Annual Meeting

9:00 am-5:00 pm  
Ballrooms 6BC (CC)  
Exhibit Hall

10:00 am-1:00 pm  
*Excursion* Cruise the Locks and Seattle  
Harbor Tour

1:00 pm-3:00 pm  
William M. Allen Theater, Museum of  
Flight, 9404 E. Marginal Way South  
*Public Session* Underwater Archaeology

1:00 pm-5:00 pm  
Symposia

2:00 pm-5:00 pm  
*Excursion* Historic Seattle and Seattle  
Underground Tour

5:30 pm-7:00 pm  
Hospitality Room 416 (SS)  
Society for Phytolith Research Annual  
Business Meeting

#### SUNDAY, MARCH 29

7:00 am-9:00 am  
6th Floor East Lobby (CC)  
Meeting Registration

8:00 am-12:00 noon  
Symposia

8:00 am-12:00 noon  
Hospitality Room 422 (SS)  
Employment Service Center

8:30 am-11:30 am  
Juniper (SS)  
Committee on the Status of Women in  
Archaeology Business Meeting

8:30 am-5:00 pm  
East Ballroom A (SS)  
*Workshop* NAGPRA's Evolving Legacy

## A WORD ABOUT THE SESSIONS

The sessions that make up the bulk of the program fall within four categories:

- **Forum**—An interactive format organized around a tightly focused theme. Formal presentations are kept to a minimum to encourage discussion between presenters and audience.
- **General Session**—Consists of Posters, Contributed Papers (20 minutes), or Research Reports (10 minutes), each submitted individually by its author(s). Presentations are grouped together by the program chair around a particular theme, usually geographic or methodological. Session chairs are designated by the program chair.
- **Symposium**—Generally, a group of 20-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.

Any of these sessions may be "sponsored" and/or "invited." The designation "sponsored" indicates the support an SAA committee, or an organization outside SAA. The designation "invited" reflects a special status and role within the meeting, as defined by the Program Committee Chair. All sponsored and invited sessions are subject to review by the Program Committee, as are all other submissions, and are subject to the three-role rule. Because numerous committees wish to sponsor sessions, the Program Committee must balance such requests with other program goals; as a result, in some circumstances, requests for sponsored sessions may be rejected. The only exceptions to the review process and three-role rule are the opening and plenary sessions.

## PROGRAM

*Note: Meeting locations are indicated with SS for the Sheraton Seattle and CC for the Washington State Trade and Convention Center.*

### WEDNESDAY MORNING, MARCH 25, 1998

- [1] Workshop ■ **Archaeomagnetic Dating I: Foundations**  
Room: Hospitality Room 416 (SS)  
Time: 8:30-12:00  
Instructor: Eric Blinman
- [2] Workshop ■ **National Register of Historic Places**  
Room: Hospitality Room 424 (SS)  
Time: 9:00-12:00  
Instructors: Barbara Little, Carol Shull

### WEDNESDAY AFTERNOON, MARCH 25, 1998

- [3] Workshop ■ **Improving CRM Practices: Evaluating Archaeological Properties**  
Room: West Room B (SS)  
Time: 1:00-5:00  
Instructors: Barbara Little, Frank McManamon
- [4] Workshop ■ **Archaeomagnetic Dating II: Practicum**  
Room: Grand Ballroom B (SS)  
Time: 1:30-5:00  
Instructors: Eric Blinman and archaeologists from the Colorado State University Archaeomagnetic Laboratory

### WEDNESDAY EVENING, MARCH 25, 1998

- [5] Opening Session ■ **Pacific Northwest Archaeology in the 1990s: A Regional Overview**  
Room: 6E (CC)  
Organizers: Lynn L. Larson and Dennis E. Lewarch  
Chair: Dennis E. Lewarch  
Participants:  
7:00 Dennis E. Lewarch—Introduction  
7:05 Ron Sims (King County Executive)—Greeting  
7:15 Billy Frank, Jr. (Nisqually Tribe)—Opening Remarks  
7:25 Lynn L. Larson—Sound to Mountains: An Archaeological Slice of King County, Washington  
7:45 R. Lee Lyman—Changing Paradigms in Coastal Oregon Archaeology  
8:05 Robert G. Whitlam—Discovering Washington's Archaeological Heritage  
8:25 Brian Hayden—Developments on the Northwest Plateau  
8:45 Gene Jones (Suquamish Tribe)—Traditional Story

## THURSDAY MORNING, MARCH 26, 1998

## [6] Poster Session ■ North American Prehistory

Room: 6A (CC)

Time: 8:00-12:00

## Participants:

- 6-a Donald Chrisman, Richard MacNeish, and Geoffrey Cunnam—Human Modification of Animal Bones in Pre-Clovis Zones of Pendejo Cave, Orogrande, NM
- 6-b David J. Meltzer and Larry C. Todd—1997 Re-Investigations at the Folsom Type Site, New Mexico
- 6-c Jonathan Bowen—Agate Basin and Dalton Biface Distributions
- 6-d Roger La Jeunesse and John Pryor—Paleoindian and Archaic Transition
- 6-e Brandy D. Gibson—The Geoarchaeology of Buttermilk Creek, Bell County, Texas
- 6-f Suanna C. Selby, Michael Droz, Sara Doane, Patrick Reuter and Allison Jerris—Geoarchaeology in the Northern Great Basin: Examining Pleistocene and Holocene Paleoenvironments at Carlon Village, Oregon
- 6-g Paul E. Buck, Fred Nials and Peter Wigand—Prehistory, Geochronology, and Vegetation Change in Indian Springs Valley, Southern Nevada
- 6-h Jarrod Burks and William S. Dancey—Exploratory Investigation of a Terminal Middle Woodland Occupation in Central Ohio
- 6-i Kevin M. H. O'Brian, Douglas K. Charles and Jane E. Buikstra—The Structures of Hopewell Rituals
- 6-j Elizabeth Reid and Nora Sullivan—Evie Site Ceramic Studies (1995-1997)
- 6-k Christopher Rodning—Spatial Patterning in the Archaeology of the Upper Tennessee River Valley
- 6-l Jesse Rouse—Molluscs in the Work Place, Shell Fragmentation as an Analytical Tool
- 6-m Anan Raymond—Blades on the Beach
- 6-n Jeffrey R. Robbins—From Mudflows to Rock Shows: Archaeological Testing of 45KI445, the Muckleshoot Amphitheater Site
- 6-o Coquille Indian Tribe Cultural Heritage Program—Tribal Heritage Research at Wet Sites along the Coquille River, Southern Oregon Coast
- 6-p Alanah Woody and Sue Ann Monteleone—Rock Art and Archaeological Reconstructions
- 6-q Diane Wilson—Cultural Constructs of Treponematoses among Prehistoric Texas Populations
- 6-r Joanne Bennett and Richard Jantz—Population Structure of Aztec-Tanoan Speakers
- 6-s Donald Gaff—Statistical Insights into the Origins of Aztalan

## [7] Poster Session ■ Historical Archaeology in the Americas

Room: 6A (CC)

Time: 8:00-12:00

## Participants:

- 7-a David Carlson and Allan Meyers—Hacienda Tabi, Yucatan: Community Organization in a Nineteenth Century Sugar Plantation
- 7-b Mary Van Buren—Regional Variation in Spanish Colonial Ceramic Assemblages: Tarapaya, Bolivia, in Comparative Perspective
- 7-c C. Cliff Cregger—Potential Behaviors Responsible for Deposition of an Early Historic Surface Assemblage
- 7-d Michael L. Hargrave, Lewis Somers, John Dendy, Tom Larson and Richard Shields—Geophysical and Archaeological Investigations at Army City, Fort Riley, Kansas
- 7-e James Wettstaed and James Price—An Industrial Ghost in the Piney Woods: Archaeological Investigations at the Nova Scotia Ironworks, Missouri
- 7-f Lynn L. Larson and Bradley Bowden—Millworkers at Japanese Camp, Selleck, Washington

## [8] Poster Session ■ Survey, Management and Education

Room: 6A (CC)

Time: 8:00-12:00

## Participants:

- 8-a Amy Dugas and Dennis E. Lewarch—Regional Scale Archaeological Reconnaissance on the U.S. Army Yakima Training Center Expansion Area, Kittitas County, Washington
- 8-b Peter Van Rossum and Janet Schulenberg—Shovel Test Pits: Getting to the Good Stuff
- 8-c Timothy Dalbey—Cultural Resources Management Planning Using GIS
- 8-d John A. Giacobbe and Robert A. Larkin—Archaeology at the Edge of the Blue Waters: A Holistic Approach to Cultural Resource Management with the Havasupai of the Grand Canyon
- 8-e Scott Stuenkel, Paul Claeysens, Alissa deVonex and Scott Goodman—Tribal and Federal Agency Cooperation and Coordination: Using GIS and Data Bases in CRM
- 8-f Lynda L. Walker, Jason Lyon, Johnson Meninick, Jeffrey Van Pelt and Linda Burbach—Wana-pa-Koot Koot: Building a Cooperative Legacy for Cultural Resources Management
- 8-g Anne F. Rogers, Rodney Snedeker and Jane L. Brown—The Appletree Site (31Ma56): Combining Public, Federal and Academic Archaeology
- 8-h Susan R. Edwards and Anne E. DuBarton—Volunteer Programs and Museum Collections: Combining Public Education and Archaeological Research in Nevada, the Hot Creek Project
- 8-i Darby C. Stapp and Julia G. Longenecker—The HAMMER Geophysical Test Bed
- 8-j John A. Torres—Popular Summary Videos: An Example of Public Outreach on the Navajo Nation
- 8-k Jacqueline M. Dale and G. Michael Bowen—Bringing Archaeology to the Public through the Development of an Interactive Web Site for Kids

## [9] Sponsored Symposium ■ Glass to Ceramics: Archaeometry in

Archaeological Provenience and Technological Studies (Sponsored by Society for Archaeological Sciences)

Room: 613/614 (CC)

Organizers: Arleyn W. Simon and Nancy H. Olsen

Chair: Arleyn W. Simon

## Participants:

- 8:00 David V. Hill, Nicholas Pingitore, Jeff Leach and Joshua Villalobos—Applications of X-ray Micro-Fluorescence in Analysis of Ceramic Paint
- 8:15 Nicholas Pingitore, Jr., David Hill, Jeff Leach and Anne Fox—Would Lead-Glazed Archaeological Ceramics Pass the Current FDA Leach Test for Lead?
- 8:30 Stephen Glenn, Judith Habicht-Mauche and Mike Schmidt—Lead Isotope Analysis of Rio Grande Glazes Using ICP-MS: A Comparison of Aqueous Induction and Laser Ablation Techniques
- 8:45 Nancy H. Olsen, Nelda A. Creager and Michael N. Spilde—Advanced Material Science Techniques for Analysis of Prehistoric Ceramics
- 9:00 Marvin Rowe and Marian Hyman—Radiocarbon Dating of Prehistoric Rock Painting
- 9:15 David Perry—Scanning Electron Microscopy and the Archaeobotany of the European Mesolithic
- 9:30 Christine Kimbrough, Rita Wright and David Lentz—Identification of Archaeological Fiber and Wood Using Low Vacuum Scanning Electron Microscopy
- 9:45 Break
- 10:00 James W. Cogswell, Hector Neff and Michael D. Glascock—Complementary Analyses of Prehistoric Pottery: Explaining Behavioral and Diagenetic Processes

- 10:15 Arleyn W. Simon and James H. Burton—Approaches to Ceramic Provenance: Salado Ceramics of Central Arizona
- 10:30 Ronna J. Bradley—From Whence They Came: The Use of Inductively Coupled Plasma Emission Spectroscopy to Determine Source Areas for Marine Shell from the Gulf of California
- 10:45 Steven Shackley—Archaeologists, Archaeometrists, and the Notion of Obsidian in Prehistory
- 11:00 Dorothy Larson and Barry Wilkens—Proton-Induced X-ray Emission Analysis of Mineral Paints from Ceramic Vessels from a Pueblo III Cemetery in East-Central Arizona
- 11:15 Robert H. Tykot—Discussant
- 11:30 Jeffrey S. Dean—Discussant

[10] **Sponsored Symposium ■ The Excluded Past in Archaeological History: Histories of American Rock Art Research** (Sponsored by ICOMOS Rock Art Committee)

**Room:** 611 (CC)

**Organizers and Chairs:** David S. Whitley and Christopher Chippindale

**Participants:**

- 10:00 William Hyder and Lawrence Loendorf—The Role of Avocational Archaeologists in Rock Art
- 10:15 Benjamin Smith and Christopher Chippindale—Informed Methods and Formal Methods: Research Approaches to American Rock Art
- 10:30 Julie Francis—Explanation in Rock Art Research: Historical Perspectives
- 10:45 Brian Leigh Molyneux—Rock Art Research as a Visual History of Archaeology
- 11:00 Andrea Stone—Rock Art Research in Southern Mesoamerica: Historical and Theoretical Perspectives
- 11:15 Jan Simek—Images in Darkness: Prehistoric Cave Art in Southeast North America
- 11:30 Todd Bostwick—An Historical Perspective on Rock Art Research in the Southwestern United States
- 11:45 David S. Whitley—The Excluded Past and the Divided Present in the Far West

[11] **Symposium ■ Classic Mimbres Variability**

**Room:** 612 (CC)

**Organizer and Chair:** Cynthia Ann Bettison

**Participants:**

- 8:00 Roger Anyon and Steven A. LeBlanc—Small Sites, Large Sites, and the Transition to the Classic Mimbres
- 8:15 Cynthia Ann Bettison—Variability of Small Classic Mimbres Sites: A Case Study from the Lake Roberts Vista Site
- 8:30 Don Dycus—Architectural Fusion: Mimbres and Cibola Syncretism in the Gila Headwaters
- 8:45 Harry Shafer—The Architecture of Classic Mimbres Towns: NAN and Swarts Ruins

[12] **Symposium ■ Dynamics of Gender, Status, and Identity in Early Europe**

**Room:** 310 (CC)

**Organizer and Chair:** Peter Wells

**Participants:**

- 8:00 Peter Bogucki—Identity and Gender in a Neolithic Society
- 8:15 Bettina Arnold—Social Organization, Gender and the Gene Key: Unlocking the Mysteries of Late Hallstatt Tumulus Burials
- 8:30 Peter Wells—Status, Gender and Identity in the Formation of New Societies beyond the Roman Frontiers

- 8:45 Genevieve Fisher—Battle-Stirrers or Peace-Weavers? Militaristic Imagery in the Construction of Early Anglo-Saxon Female Identity
- 9:00 Deborah Shepherd—The Elusive Warrior Maiden Tradition, Archaeology, and the Social Meaning of Bearing Weapons in North European Society before the Christian Conversion
- 9:15 John Soderberg—A Household by Another Name? Economic Change and Shifting Identities in Early Medieval Irish Monasticism

[13] **Symposium ■ Beyond Settlement Systems: Archaeology and Cultural Landscapes**

**Room:** 615/617 (CC)

**Organizers:** Kurt F. Anschuetz and Cherie L. Scheick

**Chair:** Kurt F. Anschuetz

**Participants:**

- 8:00 Kurt F. Anschuetz and Cherie L. Scheick—Unveiling Archaeological Tierra Incognita: Evaluating Time, Place-Making and Tradition through a Cultural Landscape Paradigm
- 8:15 Robert W. Preucel—Cultural Landscapes and Southwestern Archaeology: Theory and Practice
- 8:30 Stephanie M. Whittlesey and J. Jefferson Reid—The Cultural Landscape Paradigm in the Lower Verde Archaeological Project: A Case Study from Arizona
- 8:45 Frances Levine and Kurt F. Anschuetz—Adjusting Our Scale of Analysis: Observing Protohistoric Change in Pueblo Land Use
- 9:00 Richard Periman—Spatial and Temporal Modeling of Cultural Landscapes in the Rio del Oso Valley of Northern Mexico
- 9:15 Carla R. Van West and Mark D. Varien—Prehistoric Communities and Cultural Landscapes in the Mesa Verde Heartland: A GIS Approach
- 9:30 Richard H. Wilshusen—"Things Just Went Nuts": Identifying Changes in the Cultural Landscape of the San Juan River Basin in the Ninth and Tenth Centuries
- 9:45 Peter J. McKenna—The Cultural Landscape of the Aztec Ruins, New Mexico
- 10:00 H. Wolcott Toll and Sarah Schlanger—Redefining and Reifying the Landscape: Re-use of Cultural Locations in the La Plata Valley, New Mexico
- 10:15 Richard M. Begay and Alexa Roberts—Hane' Naht'i: Webs of Meaning Across the Grand Canyon Landscape
- 10:30 John Stein, Richard Friedman and Taft Blackhorse—The Two Grey Hills Cultural Landscape Study: An Interdisciplinary Discussion of Objectives, Methods, Discoveries and Issues. Part 1: Identifying Large-scale Pre-Columbian Landscape Structures Using GIS, GPS and RST
- 10:45 Klara Kelley, Harris Frances and John Stein—The Two Grey Hills Cultural Landscape Study: An Interdisciplinary Discussion of Objectives, Methods, Discoveries and Issues. Part 2: Navajo Oral Tradition and Management Issues
- 11:00 J. Michael Bremer—The Whole Enchilada: Working with Cultural Landscapes in Federal Heritage Resources Management
- 11:15 Richard Gwinn Vivian—Discussant
- 11:30 Linda Cordell—Discussant
- 11:45 Henry T. Wright—Discussant

[14] **Symposium ■ Qafzeh, Kebara and Hayonim Caves: The Archaeology of Neandertals and Modern Humans in the Levant**

**Room:** 606 (CC)

**Organizers:** Ofer Bar-Yosef and Mary Stiner

**Chair:** Ofer Bar-Yosef

**Participants:**

- 8:00 Paul Goldberg—Sediments and Site Formation at Hayonim, Kebara and Qafzeh Caves
- 8:15 Steve Weiner, Paul Goldberg and Ofer Bar-Yosef—Mineral Assemblages in Kebara and Hayonim Caves, Israel: Framework for Assessing Diagenetic Processes

- 8:30 Todd Surovell, Steven Kuhn, Ofer Bar-Yosef, Liliane Meignen and Steve Weiner—Spatial Patterning and Mineral Diagenesis in Early Mousterian Deposits at Hayonim Cave, Israel
- 8:45 Jack Rink, Henry Schwarcz, Hee-Kwon Lee, Julie Rees-Jones and Norbert Mercier—ESR Dating of Tooth Enamel and Mass Spectrometric Dating of Stalagmite from the Middle Palaeolithic Deposits of Hayonim Cave, Israel
- 9:00 Norbert Mercier, Helene Valladas, Jack Rink and Dorothy Godfrey-Smith—TL Radiometric Chronology of Hayonim Cave in the Context of Localized Mineral Diagenesis
- 9:15 Dorothy I. Godfrey-Smith—Optical Dating Geochronology of Anthropogenic Sediments at Hayonim Cave, Israel
- 9:30 Liliane Meignen and Ofer Bar-Yosef—Early Mousterian Blade Technology: The Contribution of the Hayonim Cave Assemblage
- 9:45 Break
- 10:00 Erella Hovers—Technological Organization and Cultural Choices in the Lithic Assemblages of Qafzeh Cave, Israel
- 10:15 John Shea—Levantine Mousterian Assemblages from Mt. Carmel and the Galilee: Their Behavioral Implications and Evolutionary Significance
- 10:30 Anna Cohen—Following the Mousterian—the Upper Paleolithic Assemblages from Hayonim, Kebara and Qafzeh Caves, Israel
- 10:45 Eitan Tchernov—Biochronology and Biogeography of Southwest-Asian Middle Paleolithic Rodents
- 11:00 Mary C. Stiner—The Early Mousterian Faunas from Hayonim Cave
- 11:15 Rivka Rabinovich and Eitan Tchernov—Paleoecological and Taphonomical aspects of the Upper and Middle Paleolithic of Qafzeh, Israel
- 11:30 John Speth and Eitan Tchernov—The Changing Settlement Function of Kebara Cave (Israel)
- 11:45 Sylvie Beyries—Points and Triangular Flakes at Kebara Cave: What were their Functions?

[15] Symposium ■ **There's No Place Like Home: Considering the Place of Household Archaeology in Theory Today**

Room: 605/610 (CC)

Organizer and Chair: Cynthia L. Van Gilder

Participants:

- 8:00 Antoinette Martinez—Looking for Rooms in Homes without Walls
- 8:15 Stephen Silliman—Laboring Houses and Housing Laborers: Analyzing Native-Colonial Relations in Alta California and New Spain
- 8:30 Maria Franklin—If these Walls Could Talk: Family and Household Relationships at the Rich Neck Plantation Quarter
- 8:45 Elizabeth Prine—Home and Away: Elucidating Household Connections to Cultural Landscapes
- 9:00 Cynthia Van Gilder—Interpreting Household Clusters in Kahikinui, Maui
- 9:15 Mark Mehrer—Cahokia Household Archaeology: Changing Heuristic Approaches
- 9:30 Break
- 9:45 Margaret Nelson and Michelle Hegmon—The Changing Social Context of Mimbres Households
- 10:00 Julia Hendon—The Political Significance of Household Action in Prehispanic Mesoamerica
- 10:15 Julie Near—People, Plants, and Places: An Example of Household Archaeology at Catalhoyuk
- 10:30 Emily Dean and David Kojan—Searching for Formative Domestic Occupations at an Andean Ritual Center
- 10:45 Roger C. Green—Discussant
- 11:00 Rosemary Joyce—Discussant

[16] Symposium ■ **Life on the Edge: Archaeology in Alaska's National Parks**

Room: 604 (CC)

Organizer and Chair: Doreen Cooper

Participants:

- 8:00 Ted Birkedal and Gary Somers—Alaska's NPS Archeology Programs: The Big Picture
- 8:15 Patricia McClenahan—Paleoecology of the Cape Gull Site, Katmai National Park: Final Results of the 1994 Exxon Valdez Oil Spill Recovery Project
- 8:30 David Huelsbeck—Where's the Beef? Mutton Consumption and Socioeconomic Status in Skagway, Alaska
- 8:45 Becky Saleeby—Is there Light at the End of the Tunnel? A Postscript to NPS Mining Survey in Alaska
- 9:00 Anne Worthington—Archeology as Landscapes in Wrangell-St. Elias National Park and Preserve
- 9:15 Doreen Cooper—The Golden Fleece? Archaeology and Tourism in the Klondike
- 9:30 Aron Crowell—Living on the Edge: Settlement Dynamics and Site Survival along the Gulf of Alaska Coast

[17] Symposium ■ **Evolutionary and Ecological Perspectives on New World Coastal Foragers**

Room: 618/619 (CC)

Organizer: Douglas J. Kennett

Chair: Terry L. Jones

Participants:

- 8:00 Herbert Maschner—The Evolutionary Ecology of Hunter-Gatherer Sedentism: A Common Sense Approach
- 8:15 Karen Wise—Archaic Period Sedentism and Subsistence Intensification on the South Central Andean Coast
- 8:30 Paul Fish, Suzanne Fish, Paulo De Blasis and Maria Dulce Gaspar—Some Social and Evolutionary Implications of Southern Brazil Sambaquis
- 8:45 Terry L. Jones, Philip L. Walker and Douglas J. Kennett—Self-Interest in Ecological Context: The Case for Marine Mammal Overexploitation at Point Bennett, San Miguel Island, California
- 9:00 L. Mark Raab, Andrew Yatsko, Judith L. Porcasi, Thomas Garlinghouse and Katherine Bradford—Trans-Holocene Cultural and Biological Impacts of Maritime Resource Intensification in the Southern Channel Islands, California
- 9:15 Jose Luis Lanata—Changing Landscapes and Mammal Exploitation in Tierra del Fuego. Paleoecological Remarks to Understand the Southernmost Foragers Evolution
- 9:30 Patricia Lambert—Warriors, Traders, and Fishermen: Evolutionary Ecological Perspectives on War and Peace in Coastal Southern California
- 9:45 Break
- 10:00 Douglas Kennett—Economic Defendability and the Emergence of Territorial Behavior on the Northern Channel Islands, California
- 10:15 David Bernstein—Long-Term Economic Patterns on the Coast of New York and Southern New England
- 10:30 Michael Russo—Orange People: Florida's Archaic Fisherfolk
- 10:45 Rebecca Saunders—The Gulf Formational Stage along the Northern Gulf Coast: Environmental Change and the Rise of Social Complexity
- 11:00 Daniel Larson and Hector Neff—A Darwinian Study of Wasteful Advertising
- 11:15 Michael Jochim—Discussant
- 11:30 Robert Bettinger—Discussant

[18] Symposium ■ **Current Research at Tres Zapotes, Veracruz, Mexico**  
**Room:** 304 (CC)

**Organizer and Chair:** Christopher A. Pool

**Participants:**

- 8:00 Elizabeth Hoag—An Analysis of the Burned Earthen Artifacts from Tres Zapotes, Veracruz  
 8:15 Carl Wendt—Buried Occupational Deposits at Tres Zapotes: The Results from an Auger Testing Program  
 8:30 Mark Kruszczynski—Basalt Exploitation and Craft Production at Tres Zapotes and its Hinterlands: A Preliminary Report  
 8:45 Charles Knight—Intra-Site Dynamics of Obsidian Use and Distribution at Tres Zapotes: Piecing Together Political Economy  
 9:00 E. Christina Lee—Excavation of a Newly Discovered Monument at Tres Zapotes  
 9:15 Christopher Pool—Centers and Peripheries at Tres Zapotes, Veracruz, Mexico  
 9:30 Barbara L. Stark—Discussant

[19] Symposium ■ **Archaeology in the Reconstruction of National Identity/Origins: An East Asian Comparative Perspective**

**Room:** 620 (CC)

**Organizer and Chair:** Hyung Il Pai

**Participants:**

- 8:00 Hyung Il Pai—The Making of National Treasures and Monuments: The National Committee of Cultural Properties and the "Codification" of Korea's Material Past  
 8:15 Yangjin Pak—Contested Ethnicities and Ancient Homelands in Northeast Chinese Archaeology: The Case of Koguryo and Puyo Archaeology  
 8:30 Junko Habu and Clare Fawcett—Jomon Archaeology and the Representation of Japanese Origins  
 8:45 Li Liu—Who were the Ancestors? The Origins of Chinese Ancestral Cult and Racial Myths  
 9:00 Ian Glover—Archaeology and History in Vietnam—Some Contemporary Uses of the Past  
 9:15 Fumiko Ikawa-Smith—Discussant

[20] Symposium ■ **Pre-Clovis Human Occupation of the Americas: Implications Regarding Holocene Population Formation in Deglaciated North America and Beringia**

**Room:** 6E (CC)

**Organizers:** Alvah Hicks and Richard Rogers

**Chair:** Richard Rogers

**Participants:**

- 8:00 Joe Watkins—Implications of Migration Theories among Native American Tribal Groups  
 8:15 Larry D. Martin and Richard Rogers—Biogeography as a Guide to Understanding the Distribution of Humans in Pleistocene North America  
 8:30 Robert S. Hoffmann—Pleistocene Biogeography of Mammals in Beringia and Periglacial North America  
 8:45 Richard Rogers—The Influences of Barriers on the Peopling of the Americas  
 9:00 Anna Roosevelt, John Douglas, Linda Brown, Ellen Quinn, Judy Kemp and Susan Weld—Terminal Pleistocene Occupations in North Asia and North America: Another Look at Dating, Geography, Lithic Styles, and Subsistence  
 9:15 Maureen L. King and Sergei B. Slobodin—The Uptar Site: Implications for the Early Prehistory of Beringia  
 9:30 Break  
 9:45 Ben Fitzhugh—One if by Land, Two if by Sea: Assessing the Role of the

Anangula and Ocean Bay Traditions in the Evolution of North Pacific and Bering Sea Maritime Economy

- 10:00 Richard Knecht and William Laughlin—The Aleutian-Kodiak Origin of the Pre-Arctic Small Tool Tradition  
 10:15 James C. Chatters—Kennewick Man: Evidence for a Complex History of Early Immigration to the Americas?  
 10:30 Alvah M. Hicks—Post-Glacial Population Admixture between New and Old World Peoples  
 10:45 Herbert Anungazuk—To Live in Indigenous Ways is Living in Conscience  
 11:00 E. James Dixon—Discussant  
 11:15 William S. Laughlin—Discussant

[21] Symposium ■ **Understanding Households, Household Activities and Activity Areas—Developing Issues in the Method and Theory of Activity Areas and Domestic Archaeology**

**Room:** 608 (CC)

**Organizers and Chairs:** William D. Middleton and Luis Barba

**Participants:**

- 8:00 Cathy Lynne Costin—Household Production and the Intra-Household Division of Labor  
 8:15 Philip Arnold—Putting Our Households in Order: Some Ethnoarchaeological Considerations  
 8:30 Luis Barba—The Chemical Study of Activity Areas: A Review  
 8:45 Luz Lazos and Jose Luz Gonzalez—Comparison of Instrumental and Spot Test Analysis in the Study of Activity Areas  
 9:00 Claudia Trejo—The Study of Activity Areas in a Sedimentary Matrix Using Chemical Analysis: Cueva de las Varillas, Teotihuacan, Mexico  
 9:15 Karl Link—Application of Digital Spectrophotometry and Geophysical Prospecting to the Analysis of Archaeological Activity Areas  
 9:30 Break  
 9:45 William D. Middleton—The Use of Soil Chemistry, Microdebitage, and Micromorphology to Understand the Organization of Specialized Household Production  
 10:00 Linda Manzanilla—Interdisciplinary Methodology for Activity Area Research in Domestic Contexts at Teotihuacan  
 10:15 Julie K. Stein, Sarah Sherwood and Kristine Bovy—The Origins and Formation of a Northwest Coast Plank House: The Potential of Radiocarbon, Micromorphology, Faunal and Artifactual Data  
 10:30 Brian Hoffman—Corporate Groups and Private Lives: Spatial Organization in Eastern Aleut Communal Houses, A.D. 155–1750  
 10:45 Cynthia Robin—Where People Really Live: Methods for Identification of Household Spaces and Activities  
 11:00 Gary Feinman—Discussant

[22] Symposium ■ **New Perspectives on State Formation Process in the Japanese Archipelago**

**Room:** 620 (CC)

**Organizer and Chair:** Kenichi Sasaki

**Participants:**

- 10:00 Katsuhisa Takahashi—Production and Distribution under Elite Control  
 10:15 Hiroshi Miki—Epochs in the State Formation Process in Japan: What Burial Chambers Show  
 10:30 Kazutaka Fujita—Center and Periphery in the Japanese State Formation: A New Look into Iron Armor  
 10:45 Yasuharu Miyamoto—Group Identity Represented in Mortuary Records in Sixth and Seventh Century Japan

[23] Symposium ■ **Bounded Landscapes? Reflections on Valley System Studies**  
Room: 612 (CC)

Organizers: Leslie L. Hartzell and Deborah I. Olszewski

Chair: Leslie L. Hartzell

Participants:

10:00 Marc Kodack—The Mute Stones Sort of Speak; 10,000 Years of Obsidian Use in Eastern Nevada

10:15 Mark Basgall—Issues of Scale in the Settlement Ecology of Arid Lands

10:30 Larry J. Gorenflo—Spatial Organization in the Basin of Mexico: Modeling Regional Settlement in the Face of Archaeological and Ethnohistorical Complexities

10:45 David Wilson—Changing Patterns of Prehispanic Sociopolitical Boundedness in the Context of the Classic Environmental Circumscription of Coastal Peru

11:00 Leslie L. Hartzell, Deborah I. Olszewski, Susan A. Lebo, Heidi A. Lennstrom and Shannon P. McPherron—Valley Systems and the Archaeology of an Ahupua'a: New Data from North Halawa Valley, O'ahu, Hawai'i

11:15 Ian Lilley—Valley Archaeology in Australia: A View from Cania Gorge, Central Queensland

11:30 Jeffrey Parsons—Discussant

11:45 Deborah L. Nichols—Discussant

[24] Symposium ■ **Americanist Approaches to Late Prehistoric and Early Medieval European Archaeology**

Room: 310 (CC)

Organizers and Chairs: Susan Malin-Boyce and Bernice Kurchin

Participants:

10:00 Matthew Murray—Ideology and the Expression of Cultural Identities on the Early Roman Frontier in Southern Germany

10:15 Bernice Kurchin—Ideologies in the British Frontier Zone and their Implications for Discussion of Romanization

10:30 Nancy L. Wicker—The Early Medieval Goldsmith as Bearer of Tradition and Innovator of Technology

10:45 Susan Malin-Boyce—Cosmologies of Conquest Reflected in the Wealth of Bavarian Reihengraber

11:00 Barbara G. Scott—Ideology and Tradition from Iron Age to Viking in the North Atlantic

11:15 Gail Elizabeth Eby and Tina Thurston—Social Reproduction, Social Transformation, and Christianity in Viking Age Denmark

11:30 Pam J. Crabtree—Discussant

[25] Symposium ■ **The Yalahau Regional Human Ecology Project: 1996–1997 Field Investigations in Northern Quintana Roo, Mexico**

Room: 304 (CC)

Organizer and Chair: Scott Fedick

Participants:

10:00 Scott Fedick and Bente Andersen—Introduction to the Yalahau Region and Investigations within the El Eden Wetland

10:15 Bethany A. Morrison—Ancient Settlements Associated with the El Eden Wetland

10:30 Rani McLean and Bethany Morrison—Possible Field Houses of the El Eden Wetland

10:45 Julie Bell—A Developing Model for Cenote and Associated Site Settlement Patterns in the Yalahau Region, Quintana Roo, Mexico

11:00 Dominique Rissolo—Rock Art and Ritual Cave Use in the Yalahau Region, Northern Quintana Roo, Mexico

11:15 Jennifer Mathews—The Interaction Spheres of the Late Preclassic to Early Classic in the Yucatan Peninsula

11:30 Karl James Lorenzen—Sascabera Pit Midden Excavations at Tumben-Naranjal: Evidence of Late Postclassic Residential Occupation

[26] Symposium ■ **Socioeconomic Variability in Pre-State Near Eastern Villages**  
Room: 607 (CC)

Organizers and Chairs: Jennifer MacCormack and Jennifer Arzt

Participants:

8:00 Ian Kuijt—The Social Context of Space in Early Agricultural Communities of the Southern Levant

8:15 Peter M. M. G. Akkermans—Changing Patterns in Settlement, Subsistence and Socio-Political Organization in Late Neolithic Northern Syria

8:30 Reinhard Bernbeck—Drudgery and Relations of Production: Intensification of Agriculture in the Samarran Culture

8:45 Susan Pollock—Let a Thousand Flowers Bloom: Households in the Halaf

9:00 Jennifer Arzt—X Marks the Pot: Late Chalcolithic Pot Marks in Northern Mesopotamia

9:15 Jennifer MacCormack—Central Spaces and Village Development in the Third Millennium BC

9:30 Eric Klucas—Household Production and Consumption at Tell al Raqa'i

9:45 Meredith S. Chesson—Between Households and Walled Towns: Interaction Spheres in Syro-Palestinian Early Bronze Age Communities

10:00 Gil Stein—Discussant

10:15 Glenn Schwartz—Discussant

[27] General Session ■ **Social Organization and Ritual in Mesoamerica**

Room: 201 (CC)

Chair: Janine Gasco

Participants:

8:00 Paula Turkon—How Elite Eat: Patterns of Food Preparation at La Quemada, Zacatecas, Mexico

8:15 Lori E. Wright—Childhood Diet and Adult Social Status: An Isotopic Study at Kaminaljuyu, Guatemala

8:30 Janine Gasco and Christina Luke—Cacao and Commerce in Postclassic Soconusco: Evidence from the 1997 Field Season

8:45 Amy Hirshman—The Relationship between Ceramic Production and Elite Control in the Tarascan State

9:00 Frank I. Crohn—The Huamelulpan Valley Survey Project: Evidence for Early Formative Sociocultural and Political Complexity in the Central Mixteca Alta, Oaxaca, Mexico

9:15 Christopher Beekman—West Mexico in the Formative and Classic periods: Core-Periphery Differentiation or Dominance?

9:30 Robert Markens, Cira Martine Lopez and Marcus Winter—Some Sociopolitical Implications of Household Organization at Monte Alban During the Xoo (IIIB–IV) Phase

9:45 Monica Bellas—Genealogical Manipulation, Body Piercing and Alliance Building: The Quest for Political Dominance in the Postclassic Mixteca Alta

10:00 Annabeth Headrick—Solar Powered: Reconstructing Ritual from the Aztec Sun Stone

10:15 Jeffrey Blomster—New Ritual Paraphernalia and its Impact on Early Formative Period Society in the Mixteca Alta, Oaxaca, Mexico

10:30 Benjamin Phillips—La Venta Monument 19: Time and Space in the Ritual Dimension

**[28] General Session ■ Western South America****Room:** 204 (CC)**Chair:** Karen Stothert**Participants:**

- 8:00 John E. Staller—Valdivia VII–VIII Figurines from the Site of San Lorenzo del Mate and their Significance for Cultural Continuity and Sociocultural Complexity
- 8:15 Jonathan Damp—Early Valdivia Economics
- 8:30 Patricia J. Netherly—The Tahuin Archaeological Project: Imaging a Regional Survey in the Forested Arenillas Valley of El Oro Province, Ecuador
- 8:45 Laura Gilliam—Late Archaic Period Subsistence Intensification on the South-Central Andean Coast
- 9:00 Eric J. White—Microwear Evidence of Declining Availability of Wood During the Middle Archaic in Peru's Chilca Valley
- 9:15 Aimee Plourde—Zooarchaeology of Kilometer 4, a Late Archaic Period Site on the South-Central Andean Coast
- 9:30 Rodrigo Loyola-Salas, Calogero Santoro and Alvaro Romero—Socio/economic Inferences from Analysis of Late Intermediate and Late Period Spindle Whorls of the Lluta Valley, Northern Chile
- 9:45 Patrick Williams, Johnny Isla C., and Robert Feldman—Excavations in the Ceremonial District of Cerro Baul
- 10:00 Lisa K. Valkenier—Middle Horizon Burials and Sacred Offerings on the North and Central Coast of Peru
- 10:15 Christina Conlee—Pajonal Alto: A Late Prehistoric Habitation Site in the Taruga Valley, Nasca, Peru

**[29] General Session ■ Public Archaeology and Education****Room:** 611 (CC)**Chair:** Pam Wheat**Participants:**

- 8:00 Jeanne M. Sept—Prehistoric Puzzles: Collaborative Problem Solving with Internet-based Archaeology Tools
- 8:15 Sara Scott—Educating the Masses: Developing Archaeology Curriculum for Primary Schools
- 8:30 Lynn-Marie Wieland—Why Archaeologists Need Twelve-Year-Olds, Avocational Archaeologists, and Small Museums
- 8:45 Susan Howard—How to Fund an Archaeological Project
- 9:00 Gillian Newell—American and Mexican Archaeology: Differences in Meaning and in Teaching
- 9:15 Anthony L. Klesert—You Too Can Write Good: Writing about Archaeology for Local Newspapers

**[30] General Session ■ Historical Archaeology in North America****Room:** 307/308 (CC)**Chair:** Mark T. Lycett**Participants:**

- 8:00 Charles L. Heath and David S. Phelps—Architecture of a Tuscarora Fortress: Neoheroke Fort and the Tuscarora War
- 8:15 John E. Byrd—Tuscarora Settlement Systems During the Protohistoric Period in North Carolina
- 8:30 Cindy Nance—Necromancy with Global Positioning Systems (GPS)
- 8:45 Dane Magoon—Native American and European Tobacco Pipes from Neoheroke Fort, Greene County, North Carolina (31GR4)
- 9:00 Alison Bell—Space and Status, Time and Form: Issues from Recent Investigations of Historic Virginia Sites
- 9:15 Desiree Zymroz—The Titicut Site: An Alternative Perspective on Native Experiences and Actions in Southern New England During the Contact Period

- 9:30 Caroline Walker, R. G. V. Hancock, Susan Aufreiter and Martha A. Latta—Chronological Markers? INAA of Copper-based Trade Metal Artifacts from Petun Sites in Southern Ontario
- 9:45 Donna Souza—The Archaeological Signatures of Risk Minimizing Behaviour on the Pulaski Reef Wreck Site
- 10:00 Break
- 10:15 Marcy Rockman—Archaeology of Mining Claims and the Landscape Learning Process
- 10:30 Mark T. Lycett—Changing Places: Occupational Instability and the Transformation of Indigenous Community in the Colonial Southwest
- 10:45 Suzanne Eckert—The Effect of European Diseases on Indigenous Populations: An Example from Contact Period Zuni, New Mexico
- 11:00 Joan Few—Texas' Early Sugar Industry: A Comparative Study of Four Antebellum Sugar Mill Ruins in Brazoria County, Texas
- 11:15 Sandra Sauer—Quartz Crystals as Representations of African American Spirituality at Archaeological Sites
- 11:30 Don Blakeslee—A Coronado Campsite in Texas
- 11:45 Marjorie Akin—Coins, Tokens, and Medals Found in America: An Illustrated Overview

**[31] General Session ■ Pacific Coast of Mesoamerica****Room:** 602 (CC)**Chair:** Rani T. Alexander**Participants:**

- 8:00 Laura J. Kosakowsky and Francisco Estrada Belli—Preclassic through Postclassic: The Chronological History of the Southeastern Pacific Coast of Guatemala
- 8:15 Francisco Estrada Belli, Laura J. Kosakowsky, and Marc Wolf—Regional Survey in Southeastern Guatemala: Documenting the Rise and Fall of Complex Societies on the Pacific Coast
- 8:30 Frederick Bove and Hector Neff—Classic Period Relations in Pacific Guatemala: A Study of Regional Ceramic Circulation
- 8:45 Aixa Wilson—Ceramic Sequence and Implications at San Andres, El Salvador
- 9:00 Roberto Gallardo—Preclassic Center from Santa Ana, El Salvador
- 9:15 Michael Love—Household Economy and Ritual at Ujuxte
- 9:30 Payson D. Sheets—The Apolitical Economy of Ceren, El Salvador

**[32] General Session ■ Maya Settlement, Social Organization and Ritual****Room:** 609 (CC)**Chair:**

- 8:00 John G. Douglass—Agrarian Rural Household Diversity in the Late Classic (A.D. 600–950) at Naco Valley, Honduras
- 8:15 Timothy W. Pugh, Bayron Castellanos, Francisco Enriquez, Jose Maria Penados and Ramon Puga—Ritual in Late Postclassic/ Early Historic Households at Zacpeten
- 8:30 Anthony Lyle—An Investigation of Social Inequality at the Household Level: A Late Classic Lowland Maya Example from Northwestern Belize
- 8:45 Patrick C. Killpack—Ancient Maya Landscape Modification, Water Management, and Settlement Pattern in the Limestone Hills of the Upper Belize River Region: Implications for Culture, Power, History, Models and Muddles
- 9:00 Rani T. Alexander—Postclassic Settlement Patterns at Isla Cilvituk, Campeche, Mexico
- 9:15 Miranda Stockett—Wealth and Power in Late Classic Naco, Honduras: An Analysis of Small Scale Sociopolitical and Economic Settlement Hierarchies
- 9:30 Charles Golden—The Sajal Title and Classic Maya Statecraft
- 9:45 Break

- 10:00 Andrew Kindon—Monopoly-Building in the Late Classic: Craft Production, Wealth, and Power at La Sierra
- 10:15 K. Anne Pyburn and John Morris—Living on the Edge: Ancient Maya Political Hierarchies from the Outside-In
- 10:30 Holley Moyes and Jaime Awe—The Implications of Contextual Analysis of Ritual Artifacts at Actun Tunichil Muknal, Belize
- 10:45 Jonathan Pagliaro, Jim Garber, David Glassman and Katherine Brown—Defining Maya Termination Ritual Deposit: Examples from the Belize River Valley
- 11:00 Travis W. Stanton—Continuities in Civic Planning at Yaxuna, Mexico from the Middle Preclassic to the Terminal Classic
- 11:15 Christopher J. Hartman—Preliminary Analysis of Ballcourt Endzones: An Example from the Site of Blackman Eddy, Belize
- 11:30 Arthur Demarest—Political Disruption, Population Displacements, and Enclave Formation in the Terminal Classic: Toward a General Culture History of the Classic Maya Collapse

[33] General Session ■ Arctic North America

Room: 604 (CC)

Chair: Peter Whitridge

Participants:

- 10:00 Christopher E. Young—Preliminary Report of Investigations at Agiagruat (NOA-217), Cape Krusenstern, Alaska
- 10:15 Dennis Griffin—The History of Nash Harbor Village, Nunivak Island Alaska: A Cooperative Approach in Rediscovering the Past
- 10:30 Georgeanne Lewis Reynolds—Different Definitions of "Assemblage" and "Tool Kit": Evidence from the Utqiagvik Village Site, Barrow, Alaska
- 10:45 Debra Corbett, Dixie West and Christine Lefevre—Buldir Island: Colonization and Culture History in the Western Aleutian Islands, Alaska
- 11:00 Stuart Speaker—Ripples in the Bering Sea: Research and Repatriation on Nunivak Island, Alaska
- 11:15 Richard E. Reanier and Glenn W. Sheehan—A Newly-Discovered Ipiutak Settlement on Kotzebue Sound, Northwest Alaska
- 11:30 Peter Whitridge—Material Inequality in a Thule Inuit Whaling Community: Gender- and Household-based Differences in Access to Precious Commodities
- 11:45 James M. Savelle and Junko Habu—Thule Inuit Settlement Systems and Artifact Assemblage Variability

[34] Invited Forum ■ Regional, State, and Local Professional Councils and the SAA (Sponsored by SAA Board of Directors)

Room: 211 (CC)

Time: 8:00–12:00

Organizer and Moderator: David A. Phillips, Jr.

[35] Sponsored Forum ■ A Draft Protocol for Non-Recent Human Remains Found on Federal Land (Sponsored by Task Force on Archaeological Law Enforcement)

Room: 303 (CC)

Time: 8:00–12:00

Organizer and Moderator: Martin McAllister

Participants: Janet Balsom; Paul Berkowitz; Wayne Dance; Laura Fulginiti

[36] Forum ■ Paleoethnobotany in the Future: Building on New Research Techniques and Sampling

Room: 603 (CC)

Time: 8:00–12:00

Organizers and Moderators: Linda Scott Cummings and Christine A. Hastorf

Participants: David L. Asch; Terry Ball; Linda Scott Cummings; Suzanne Fish; Christine A. Hastorf; Sissel Johannessen; Dana Lepofsky; Alix Powers-Jones; Karl Reinhard; Nancy Stenholm; Cynthia Zutter

[37] Workshop ■ Rock Art Site Management [CANCELLED]

[38] Workshop ■ Obsidian Hydration I: Fundamentals of Dating and Sourcing

Room: Aspen (SS)

Time: 8:00–12:00

Organizer: Christopher Stevenson

Instructors: James Elam, Michael Glascock

[39] Workshop ■ Surviving Graduate School

Room: West Room A (SS)

Time: 10:00–12:00

Moderator: Sharon Misdea

## THURSDAY AFTERNOON, MARCH 26, 1998

[40] Poster Symposium ■ The Sundance Project: Old Dirt in New Places—A Progress Report

Room: 6A (CC)

Time: 1:00–5:00

Organizer: Don D. Fowler

- 40a Carla Burnside, William J. Cannon, Don Fowler and Scott Thomas—The Sundance Project—A Cooperative Venture
- 40b Fred Nials—Geomorphologic Factors in Pre-Mazama Site Locations in the Northern Great Basin: New Perspectives on Old Dirt
- 40c Matthew Moore, Marnie D. Wilson, Maria Bruno and Denise Morpheu—Archaeological Survey in Beaty's Butte Area, Southern Oregon: An Uplands Void
- 40d Leif Christian, Laura A. Clifford, Alyce Branigan and Cheryl White—Early Settlement Patterns in the Harney Basin Area, Southern Oregon

[41] Poster Symposium ■ Current Archaeological Investigations at the Grand Canyon, Arizona

Room: 6A (CC)

Time: 1:00–5:00

Organizer: Steven A. Moffitt

Participants:

- 41a Melissa R. Schroeder—An Overview of the Late PaleoIndian through Archaic Periods at Grand Canyon National Park
- 41b Amy Horn-Wilson—Prehistoric Occupation of the Plateaus of the North Rim of the Grand Canyon
- 41c Steven A. Moffitt—Cohonina Adaptations at the South Rim: Results from the Mather Point Orientation Center Project, Grand Canyon, Arizona
- 41d Linda Moffitt—The Moqui Site: A Prehistoric Lithic Prospect, South Rim, Grand Canyon, Arizona
- 41e Philip W. Wilson—Inventory, Assessment and Preservation Program for the Cultural and Natural Resources Associated with Grand Canyon Trail Complexes
- 41f Lisa Leap—Archaeology and Current Site Management along the Colorado River Corridor, Grand Canyon National Park

[42] Poster Session ■ Southwestern Archaeology

Room: 6A (CC)

Time: 1:00–5:00

Participants:

- 42a Stephen H. Lekson—The Spatial Structure of the Ancient Southwest

- 42b Kirsten J. Campbell—Architecture and Emerging Complexity in the American Southwest
- 42c Jennifer K. K. Huang—Cruel Irony: Prehistoric Freshwater Sources in the American Southwest Contaminated by Naturally Dissolved Arsenic
- 42d Kimberly Spurr, Phil Geib and James Witke—Electron Microprobe Analysis of Volcanic Ash Temper in the Investigation of Kayenta Anasazi Ceramic Production and Exchange
- 42e Kathleen D. Morrison and Anatasia Truran—Spatial Patterning of Soil Chemistry, Sediment, and Pollen from Plaza Surfaces at LA162 (Paa-ko), New Mexico
- 42f Destiny Crider—The Transition from Classic to Postclassic Mimbres, an Analysis of Ritual and Ornamental Objects
- 42g Brian S. Shaffer and Karen M. Gardner—Mimbres Warriors and Warfare, A.D. 1000–1150
- 42h Kyle Woodson, Gavin Archer, Robert Neily, Michael Foster and John Ravesloot—Recent Evidence for Hohokam and Historic Pima Irrigation Systems on the Gila River Indian Community, Arizona
- 42i Robert B. Neily, Michael R. Waters, John C. Ravensloot, and Gavin Archer—Geoarchaeological Studies on the Gila River Indian Community, Arizona
- 42j Kevin Wellman and Austin Lenhart—Stratified Archaeological Deposits at the Valley Farms Site in the Tucson Basin, Arizona
- 42k Christopher Doolittle—Rock Art of Antelope Hill and the Lower Gila River
- 42l Robert A. Larkin and John A. Giocobbe—Defining the Post-Classic Hohokam: The Polvoron Phase at Sun City Grand
- 42m Graydon Berlin and Phil Geib—TMS Images and the Discovery of a Large Sinagua Agricultural Complex in North-Central Arizona
- 42n Richard C. Lange—Documenting Solar Advantages in Central Arizona Cliff Dwellings
- 42o Kelley Hays-Gilpin, Ann Cordy Deegan, Elizabeth Ann Morris and Ronald Redsteer—Prehistoric Twined Sandals from Northeastern Arizona: The Ann Axtell Morris and Earl H. Morris Research
- 42p Tammy Burns—Technological Innovation and Conservatism in Ceramics from the Northern Rio Grande Region, New Mexico
- 42q Jeannette L. Mobley-Tanaka and Katherine A. Spielmann—Craft Specialization and Ritual on the Rio Grande
- 42r Kit Nelson—Picuris Ceramics: Determining Intrasite Variability
- 42s LouAnn Jacobson—The Lowry Pueblo CD Project: Bringing the Past to Life with 20th Century Technology
- 42t Steve Martin—Virgin Anasazi Subsistence: The Paleoethnobotanical Evidence

[43] Closed Working Group ■ Pit Structures and Prehistoric Southwesterners  
Room: 304 (CC)

Organizer and Chair: Patricia A. Gilman

Participants:

- 1:00 Patricia Gilman—Pit Structure Variation in the Southwestern Deserts: A View from the San Simon Drainage
- 1:15 Michael Diehl—Why do Archaeologists' Descriptions of Upland Mogollon Subsistence Vary?
- 1:30 Bruce B. Huckell and David A. Gregory—Small, Round, and Stable: Early Agricultural Period Pithouse Architecture and Its Implications for the Rise of Long-Term Settlements in Southeastern Arizona

- 1:45 Jonathan Mabry—Early Architecture in the Southern Southwest: Variability and Trends
- 2:00 Raymond Mauldin—Pit Structure Variation in the Southern Mogollon
- 2:15 Alison Rautman—Social Space in Pithouse Communities: Insights from the "Delayed" Pithouse-to-Pueblo Transition in Central New Mexico
- 2:30 Thomas R. Rocek—Subsistence, Settlement, and Social Variability in the Jornada Mogollon
- 2:45 Barbara Roth—Social Variability in Upland Mogollon Pithouse Sites
- 3:00 Sarah Schlanger—When is a Pithouse?
- 3:15 Matthew Schmader—Structure Function and Site Structure in Middle Rio Grande Pithouses
- 3:30 Michael Whalen—Pit Structure Variability in the Jornada Mogollon Region
- 3:45 Lisa Young—Early and Late Pithouse Dwellers of the Upper Little Colorado River Valley

[44] Sponsored Symposium ■ New Directions in Pacific Northwest Rock Art Research (Sponsored by SAA Rock Art Interest Group)

Room: 611 (CC)

Organizer and Chair: James D. Keyser

Participants:

- 1:00 B. K. Swartz Jr.—History of Rock Art Investigation in the Klamath Basin, California-Oregon
- 1:15 Don Hann—House of the Rising Sun: Using the Ethnographic Record to Illuminate Aspects of Klamath Basin Rock Art
- 1:30 Larry Loendorf—Interior-Line Petroglyphs in Central Wyoming
- 1:45 Michael A. Klassen—Between Plains and Plateau: Fusion and Tension in the Rock Art of the Alberta Foothills
- 2:00 Mavis Greer and John Greer—Rock Art in High Caves of Central Montana
- 2:15 George R. Poetschat—Butte Creek Rock Art: A Volunteer Project on the Columbia Plateau
- 2:30 Carolynne L. Merrell—The Application and Evaluation of Computer Photo Enhancement Techniques for Documentation of Petroglyphs and Pictographs
- 2:45 James Keyser and Phillip Minthorn—Columbia Plateau Biographic Art: Expansion of a Plains Tradition
- 3:00 Johannes Loubser—Conservation Management and Interpretation of Rock Imagery in the Hells Canyon National Recreation Area
- 3:15 Debra E. Dandridge—Show Me the Money

[45] Sponsored Symposium ■ Protecting Human Remains on Private Property: Views from the Scientific, Tribal, Public and Private Perspectives (Sponsored by National Association of State Archaeologists)

Room: 310 (CC)

Organizers and Chairs: Johna Hutira and Margerie Green

Participants:

- 1:00 Shereen Lerner—The Legal Side to Protection of Burial Sites
- 1:15 William Green and Shirley Schermer—Iowa's Burial Protection and Reburial Law
- 1:30 Lourdes Aguila, Margerie Green and Johna Hutira—The Private Land Burial Law and the Private Consulting Firm
- 1:45 Fennelle Miller—Bones are Scarier Than Stones: Differing Levels of Protection

- 2:00 Christine Robinson and Cory Dale Breternitz—Consultation and Repatriation: Examples of the Successful Application of ARS 41-865 in Phoenix, Arizona
- 2:15 Paul H. Rosendahl—Malama I Na Iwi: "Caring for the Bones" or, "Who Gets to Be Chief"
- 2:30 Mark J. Dudzik—Burial Site Preservation: The Viable Alternative
- 2:45 Gordon L. Pullar—A History of Conflicting Worldviews: Attempts at Protecting Alaska Native Burials
- 3:00 Dana Belknap—Protection of Archaeological Resources on Private Land—a Developer's Perspective
- 3:15 Gary Reinoehl—Discussant
- 3:30 Lynne Sebastian—Discussant

[46] **Sponsored Symposium ■ Creative Approaches to Compliance and Management** (Sponsored by Advisory Council on Historic Preservation)

**Room:** 605/610 (CC)

**Organizers:** Carol Gleichman and Jane Crisler

**Chair:** Carol Gleichman

**Participants:**

- 1:00 Fred Chapman—The Bighorn Medicine Wheel 1988–1996: Conflict and Resolution
- 1:15 Karen E. Watkins—Government to Government: Creative Channels for Meeting Section 106 Requirements
- 1:30 Denise McLemore and Robert Jackson—Buying the FARM: A Creative Model for Legal Compliance
- 1:45 Virginia Parks, Anan Raymond, Kenneth Ames, Gary Johnson and Tony Johnson—Discover Cathlapot: A Partnership for the Past and Present
- 2:00 Janet Balsom—Still Upright: 106 and the Operations of Glen Canyon Dam
- 2:15 Alan Stanfill—Discussant

[47] **Symposium ■ Digital Data in Archaeology: Bane or Blessing?**

**Room:** 608 (CC)

**Organizer and Chair:** Alicia L. Wise

**Participants:**

- 1:00 Harrison Eiteljorg II—Archiving Archaeological Data: The Archaeological Data Archive Project
- 1:15 W. Kevin Pape—The Benefits and Challenges for Large CRM Firms in Using and Maintaining Digital Archaeological Information
- 1:30 Veletta Capouts and S. Terry Childs—National Databases: Promise and Postscript
- 1:45 Vincas P. Steponaitis and R.P. Stephen Davis Jr.—The Role of Digital Imagery in Archiving and Disseminating Archaeological Information
- 2:00 Julian Richards, Michael Heyworth, Seamus Ross, Alan Vince and Sandra Garside-Neville—Internet Archaeology: Problems and Potentials of Electronic Journals in Archaeology
- 2:15 Alicia Wise—What's in a Digital Archive
- 2:30 Jeffrey A. Stvan—Being There, or There is No "There" There: Digital Simulacra in Archaeology
- 2:45 Mark Aldenderfer—Discussant
- 3:00 Bonnie Magness-Gardiner—Discussant

[48] **Symposium ■ The Archaeological Importance of Feasting Rituals**

**Room:** 618/619 (CC)

**Organizers and Chairs:** Brian Hayden and Michael Dietler

**Participants:**

- 1:00 Brian Hayden—The Ecology of Feasting Rituals
- 1:15 John Blitz—Feasting in the Native American Southeast
- 1:30 Vernon James Knight—Feasting and the Emergence of Platform Mound Ceremonialism in Eastern North America
- 1:45 William Rathje and Douglas Wilson—Waste a Lot; Want Not—Garbage and Feasting in Industrial Societies
- 2:00 Linda A. Brown—Feasting on the Periphery: Non-Elite Ceremonialism in Mesoamerica
- 2:15 Warren DeBoer—Fuzzy Feasts: The Case of the Conibo Ani Shreati
- 2:30 Break
- 2:45 Michael Clarke—Feasting among the Akha of Northern Thailand: An Ethnoarchaeological Study
- 3:00 Laura Junker—The Evolution of Ritual Feasting Systems in Prehispanic Philippine Chiefdoms
- 3:15 Patrick V. Kirch—Polynesian Feasting in Ethnohistoric, Ethnographic, and Archaeological Contexts
- 3:30 Polly Wiessner—Brewing Change: Enga Feasts in a Historical Perspective (Papua New Guinea)
- 3:45 Denise Schmandt-Besserat—Feasting in the Ancient Near East
- 4:00 Michael Dietler—"Commensal Politics" and the Ritual of the Feast: Theoretical Constructs and African Contexts
- 4:15 Michael Rosenberg—Feasting and the Beginnings of Settled Village Life in Eastern Anatolia

[49] **Symposium ■ Corporate or Network? Alternative Leadership Strategies in the Greater Southwest**

**Room:** 615/617 (CC)

**Organizer and Chair:** Barbara Mills

**Participants:**

- 1:00 Barbara Mills—Introduction: Alternative Leadership Strategies in the Greater Southwest
- 1:15 Wirt Wills—Archaeological Models for Leadership During the 11th and 12th Centuries A.D., Chaco Canyon, New Mexico
- 1:30 Timothy Kohler and Matthew Van Pelt—What Does Complex Adaptive Systems Research have to Say about the Development of Leadership and Hierarchies?
- 1:45 William Graves and Katherine Spielmann—The Development of Corporate Strategies in Pre-State Societies: A Case Study from the Rio Grande Valley
- 2:00 Scott Van Keuren—Ceramic Style as a Corporate Strategy: A Reappraisal of Social Complexity in the Late Prehistory of the American Southwest
- 2:15 James Potter and Elizabeth Perry—Ritual as a Corporate and Exclusionary Power Resource: An Example from the Zuni Area
- 2:30 Keith Kintigh—Leadership Strategies in Protohistoric Zuni Towns
- 2:45 Break
- 3:00 Mark Elson—Organizational Variability in Platform Mound-Building Groups of the American Southwest
- 3:15 Matthew Littler—Water as Power: Agent-based Leadership Strategies among Hohokam Irrigators
- 3:30 Karen G. Harry—Leadership Strategies among the Classic Period Hohokam: A Case Study

- 3:45 Suzanne Fish and Paul Fish—Power Centers, Power Sources: Pathways to Hohokam Complexity  
 4:00 Michael Whalen and Paul Minnis—The Prehistoric Political Landscape of Casas Grandes  
 4:15 John A. Ware—Discussant  
 4:30 Gary Feinman—Discussant

[50] Symposium ■ Late Pleistocene–Early Holocene Population Movements in the Americas: The Peopling of a Continent

Room: 6E (CC)

Organizers and Chairs: Georges E. Pearson and David R. Yesner

Participants:

- 1:00 J. Christopher Gillam—Hemispheric-Scale Modeling of Paleoindian Migration  
 1:15 Elin Whitney-Smith—Ecological Impact of Paleoindian through Second Order Overkill: A Systems Dynamic Perspective  
 1:30 Stuart Fiedel—Rapid Migrations by Arctic Hunting Peoples: Clovis and Thule  
 1:45 David R. Yesner—Colonization Models, Archaeological Signatures, and Early Sites in Interior Alaska  
 2:00 Robert Ackerman, Dianna Georgina, Joy Mastrogiuseppe and Anthony Ruter—The Archaeology of Lime Hills Cave, Southwestern Alaska: A Multidisciplinary Study  
 2:15 Cheryl Ross and James Steele—Late Glacial Paleoshoreline Reconstruction: its Role in Field Survey Design  
 2:30 Carole Mandryk—Evaluating Paleoenvironmental Constraints on Interior and Coastal Entry Routes into North America  
 2:45 Christopher Hill—Geocologic Perspective for Late Pleistocene Human Presence within the Rocky Mountain-Glacial Lake Great Falls Corridor  
 3:00 Scott DeLancey—Penutian Prehistory  
 3:15 Frederika Kaestle and David G. Smith—Prehistoric Population Movement in the Great Basin: Ancient DNA Evidence for a Recent Numic Expansion  
 3:30 Kenneth B. Tankersley—Archaeological Visibility and Pleistocene Population Movements in North America  
 3:45 Eric Chalifoux and Claude Chapdelaine—Eastern Plano Culture and the Peopling of Quebec  
 4:00 Michael F. Johnson—The Cactus Hill Site (44SX202) and its Implication for the Peopling of the Southeast  
 4:15 Georges Pearson—Pan-American Paleoindian Dispersals as Seen through the Lithic Reduction Strategies and Tool Manufacturing Techniques at the Guardiría Site, Turrialba Valley, Costa Rica  
 4:30 Katie Gibbs, Celia Glass and James Steele—Calculating Best Estimates of Rates, Routes, and Times of Earliest Paleoindian Dispersals into South America  
 4:45 Jonathan C. Driver—Discussant

[51] Symposium ■ Beyond the Lithics: Mesolithic People in Europe

Room: 613/614 (CC)

Organizer: Agustín Díez-Castillo

Chair: Geoffrey A. Clark

Participants:

- 1:00 Lucille Lewis Johnson and Clive Bonsall—"Mesolithic" Adaptations on Offshore Islands: The Aleutians and Western Scotland  
 1:15 Marek Zvelebil—People Behind the Lithics: Health and Social Conditions of Mesolithic Communities in Temperate Europe

- 1:30 Barbara Voytek—The Mesolithic of the Northern Adriatic: Hunter-Gatherers in Transition  
 1:45 Lawrence Straus and Marcel Otte—Contributions to the Mesolithic of Belgium  
 2:00 Michael Jochim—Settlement Variability in the Late Mesolithic of Southwest Germany  
 2:15 Michael J. Kimball—Looking for the Real McCoy: Problems in the Interpretation of the Irish Later Mesolithic Settlement Pattern  
 2:30 Break  
 2:45 Manuel R. González Morales—Coast and Inland: Problems of Population Distribution in the Mesolithic of Northern Spain  
 3:00 Mary Jackes and David Lubell—Burial, Seasonality, and Settlement in the Portuguese Mesolithic  
 3:15 Christopher Meiklejohn and Jeffrey M. Wyman—Is there a Demographic Transition at the Shift from the Mesolithic to the Neolithic in Europe?  
 3:30 Eugénia Cunha—The Mesolithic People from Portugal  
 3:45 Agustín Díez-Castillo—Early Holocene Occupations in High Cantabrian Mountains (Spain)  
 4:00 T. Douglas Price—Discussant  
 4:15 Diane Gifford-Gonzalez—Discussant  
 4:30 Ian Kuijt—Discussant

[52] Symposium ■ Archaeology at the Edge: Recent Archaeological Studies at the Plateau, Great Basin, and Rocky Mountains/Plains Interface in Idaho

Room: 612 (CC)

Organizers: Mary Anne Davis and Robert M. Yohe

Chair: Mary Anne Davis

Participants:

- 1:00 Mary Anne Davis—Assessing Predictive Models in the Southcentral Owyhee Uplands of Idaho  
 1:15 Robert Lee Sappington—The Prehistoric Cultural Sequence for the Clearwater River Region, North Central Idaho  
 1:30 Diana Yupe and Bryn Thomas—Indian Reservation Archaeology: In Search of the Real Fort Hall  
 1:45 Suzann Henrikson—Cold Storage Practices at Bobcat and Scaredy Cat Caves: A Distinctive Middle Holocene Utilization of Ice Caves on the Snake River Plain  
 2:00 Linda A. Clark—Communal Hunting Strategies for Bighorn Sheep in the Central Idaho Mountains  
 2:15 Robbin Johnston and Glenda King—Examination of Pit Features South of Lake Coeur d'Alene  
 2:30 Daniel Meade—A Closer Look at Clovis Burials and Clovis Caches  
 2:45 Break  
 3:00 Stephan Matz—Archaeological Investigations of a ca. 1880 Field Brick Kiln  
 3:15 Jason Lyon—Nez Perce Tribe Cultural Resource Program Dworshak Reservoir Project  
 3:30 Brenda Ringe Place—Archaeological Resources of the Idaho National Engineering and Environmental Laboratory  
 3:45 Juan Chavarria—The Bachman Cave Projectile Point Analysis and Various Current Debates  
 4:00 Christian Miss—Archaeological Research in the Northern Rocky Mountains of Idaho: Patterns and Problems  
 4:15 Teresa Rudolph—Early Holocene Foraging in Western Idaho  
 4:30 Robert Yohe, Suzann Henrikson, Margaret E. Newman and Mark

Druss—Tadpole Shrimps as an Aboriginal Food Resource in the Great Basin

4:45 William Reed—The Wapiti Ranch Biface Cache

**[53] Symposium ■ Language and Dialect Variation in Maya Hieroglyphic Script**  
Room: 620 (CC)

**Organizers and Chairs:** Gabrielle Vail and Martha Macri

**Participants:**

- 1:00 Andrew Hofling—The Language of the Inscriptions of the Central Peten.
- 1:15 Judith Storniolo—Lost among the Stones: Inscriptional Evidence for the Linguistic Affiliation of Oxkintok
- 1:30 Peter Mathews and John Justeson—Evidence for Linguistic Variation in the Western Mayan Lowlands.
- 1:45 Ruth Krochock—What Language was Spoken at Terminal Classic Chichen Itza? A Review of the Problem
- 2:00 Gabrielle Vail—Deity Names in the Maya Codices: The Linguistic Origin of the Codical Gods.
- 2:15 Martha Macri—Numeral Classifiers in the Classic Maya Inscriptions
- 2:30 Break
- 2:45 Stephen Houston and John Robertson—Southern Classic Mayan and Maya Hieroglyphic Writing
- 3:00 Barbara MacLeod and Terrence Kaufman—A View from the Bridge: Classic Cholan and Proto-Cholan Verb Morphology
- 3:15 Robert Wald—Marking Time in Two Aspectual Verbal Systems: Temporal Deixis in Colonial-Chontal and Maya-Hieroglyphic Narrative
- 3:30 Alfonso Lacadena—Anti-Passive Constructions in the Glyphic Texts
- 3:45 Victoria Bricker—Discussant
- 4:00 C. Andrew Hofling—Discussant

**[54] Symposium ■ The Irvine Site (CA-ORA-64): Life in Early and Middle Holocene Southern California**

Room: 211 (CC)

**Organizer and Chair:** Michael E. Macko

**Participants:**

- 1:00 Benjamin Vargas and Michael E. Macko—The Excavation of ORA-64: The Design and Management of a (Very) Large Excavation
- 1:15 Owen K. Davis and Michael E. Macko—Changing Environments and Settlement Shifts on the Middle/Early-Holocene Southern California Coast: New Pollen Data
- 1:30 Robert Dunbar, Henry Koerper, David Mucciarone and Michael Macko—O18/O16 Study of *Mytilus californianus* Shells Exhumed at the Irvine Site (CA-ORA-64) and CA-ORA-1429
- 1:45 William Hayden—Overview of Spatial Analyses of Features at the Irvine Site (CA-ORA-64)
- 2:00 Michael E. Macko—The Functional Classification of Artifacts and Features at the Irvine Site (CA-ORA-64)
- 2:15 Henry C. Koerper, Michael E. Macko, and Jeffrey S. Couch—Artifactual Remains from the Third National Boy Scout Jamboree (1953) in the Irvine Site (CA-ORA-64), a Millingstone Period Site at Newport Bay
- 2:30 Jeffrey S. Couch—The Non-Utilitarian Lithic Assemblage at the Irvine Site (CA-ORA-64): Implications for Settlement and Trade During the Paleo-Coastal and Early Milling Stone Periods
- 2:45 Paul E. Langenwaller II—Evidence of Pathology and Trauma in an Early Holocene Population at the Irvine Site (CA-ORA-64)

**[55] Symposium ■ Raising Public Awareness**

Room: 604 (CC)

**Organizer and Chair:** S. Alan Skinner

**Participants:**

- 1:00 John H. Jameson, Jr.—Presenting Archeology to the Public: Programs and Initiatives of the Southeast Archeological Center, National Park Service
- 1:15 Maureen Brown—Legacy: Hands on the Past Educational Program
- 1:30 Linda Derry—"Somebody Else's History": Overcoming Pain, Prejudice and Polarization to Achieve Public Participation in Selma, Alabama
- 1:45 Jon Czaplicki—Archaeology for Native American Educators: Results from the Haskell Indian Nations University Pilot Workshop
- 2:00 Lloyd Chapman—The 1997 Boy Scout National Jamboree: An Introduction to the Archaeology Merit Badge
- 2:15 Patricia (Pam) Wheat—Public Outreach for the La Salle Shipwreck Project
- 2:30 Cathy Poetschat—Oregon Archaeological Society Helping Archaeologists Raise Public Awareness
- 2:45 James E. Myster and Phyllis Mauch Messenger—Digging Holes, Relearning Life: The 1997 Oak Point Intermediate School Archaeology Program
- 3:00 Peter J. Pilles, Jr., Joelle Clark, Walter Gosart and Tom Woodall—Avocational Involvement in Public Archaeology Programs at Elden Pueblo
- 3:15 S. Alan Skinner—Boy Scouts and Girl Scouts Doing Archaeology
- 3:30 Dorothy Krass—Discussant

**[56] Symposium ■ Qafzeh, Kebara and Hayonim Caves: Biological Perspectives on Neanderthals and Modern Humans in the Levant**

Room: 606 (CC)

**Organizers and Chairs:** Steven Kuhn and Liliane Meignen

**Participants:**

- 1:00 Ofer Bar-Yosef—Fifteen Years Later: The Tale of Three Levantine Caves
- 1:15 Nicole Haziza, Henry P. Schwarcz, Mary Stiner, Ofer Bar-Yosef and Eitan Tchernov—Stable Isotopic Studies of Tooth Enamel from Hayonim Cave: Paleoclimatic Implications
- 1:30 Yoel Rak—Kebara: The Most Southern Reach of *Homo neanderthalensis*
- 1:45 Baruch Arensburg and Alan Mann—The Kebara 2 Hominid Fifteen Years after Its Discovery
- 2:00 Bernard Vandermeersch—Radiometric Dating and the Problem of the Origin of the Qafzeh Hominids
- 2:15 Anne-Marie Tillier—Morphological Contrasts between the Qafzeh-Skhul Hominids and Neanderthals: A Reconsideration from the Study of the Non-Adult Individuals

**[57] Symposium ■ The Levantine Middle and Upper Palaeolithic: Marginal Perspectives**

Room: 606 (CC)

**Organizer and Chair:** Katherine Monigal

**Participants:**

- 3:00 Katherine Monigal—Blade Production Systems in the Levant: A Comparison of Approaches
- 3:15 Helene Valladas, W. Jack Rink, Norbert Mercier, Daniel Richter and Anthony Marks—Luminescence Dating of Boker Tachtit and Rosh Ein Mor, Negev, Israel
- 3:30 Donald O. Henry—Technotypologic Patterns in the Levantine Mousterian
- 3:45 Alan P. Olson—Wadi Aghar: A Middle to Upper Paleolithic Transitional Site from Southern Jordan
- 4:00 John K. Williams—The Results of the 1993-94 Excavations at Tor Aeid (J432): Insights into the Early Ahmarian Industry of Southern Jordan

- 4:15 Kristopher W. Kerry—Intra- and Inter-site Technotypological Variability in the Upper Paleolithic Site of Jebel Humeima, Southwest Jordan  
 4:30 Anthony E. Marks—Discussant

[58] Symposium ■ **Mesopotamian Colonies and Indigenous Polities: Multidisciplinary Perspectives from Hacinebi, Turkey**

Room: 603 (CC)

Organizer and Chair: Gil Stein

Participants:

- 1:00 Gil Stein—Material Culture and Social Identity: The Evidence for a 4th Millennium B.C. Mesopotamian Colony at Hacinebi, Turkey  
 1:15 Holly Pittman—Local and Colonial Administration at Hacinebi Tepe: The Glyptic Evidence  
 1:30 M. James Blackman—Chemical Characterization of Local Anatolian and Uruk Sealing Clays from Hacinebi  
 1:45 Christopher Edens—Technological Style and Social Identity—a Lithic Perspective  
 2:00 Julie Pearce Edens—Investigating Ethnicity at Hacinebi: A Ceramic Perspective  
 2:15 Lauren Bigelow—Late Chalcolithic Subsistence and Economic Organization in Anatolia—a Zooarchaeological Inquiry  
 2:30 Break  
 2:45 Naomi Miller—Agriculture and Land Use at Hacinebi  
 3:00 Hadi Ozbal, Mieke Adriaens and Bryan Earl—Hacinebi Metal Production and Exchange  
 3:15 Mark Schwartz—Bitumen Sourcing and Ancient Inter-regional Exchange: The Use of Geochemical Techniques to Reconstruct 4th Millennium B.C. Mesopotamian Colonial Networks  
 3:30 Mitchell S. Rothman—Tepe Gawra as the Small Center of an Indigenous Polity in Northern Mesopotamia  
 3:45 Barbara Helwing—Cultural Interaction at Hassek Hoyuk, Turkey: New Evidence from Pottery Analysis  
 4:00 Henry Wright—Discussant  
 4:15 Guillermo Algaze—Discussant

[59] Symposium ■ **1978 to 1998: Function and Style Twenty Years Later**

Room: 607 (CC)

Organizers and Chairs: Teresa D. Hurt and Gordon F. M. Rakita

Participants:

- 1:00 Robert D. Leonard—Scales of Selection: Mechanisms for Change  
 1:15 Hector Neff—Differential Persistence of What? The Scale of Selection Issue in Evolutionary Archaeology  
 1:30 Timothy D. Maxwell—Directionality in the Archaeological Record: Drift, Sorting, or Selection?  
 1:45 Teresa D. Hurt, Todd L. VanPool, Gordon F. M. Rakita and Robert D. Leonard—Evolutionary Sorting: Theory and Applications  
 2:00 Michael J. O'Brien—Quantifying Style and Function  
 2:15 Todd VanPool—Function, Style, and Variation: Identifying Evolutionarily Important Traits in the Archaeological Record  
 2:30 Break  
 2:45 Alysia Abbott—Determining Selection on Puebloan Period Lithic Raw Material Use and Procurement, Zuni, New Mexico  
 3:00 David Vaughan—Regional and Temporal Variation in Acheulean Handaxes  
 3:15 Ethan Cochrane and Elizabeth Martinson—Past, Present and Future of Homology: An Introduction  
 3:30 William S. Dancey—The Concepts of Analogy and Homology in Evolutionary Archaeology  
 3:45 R. Lee Lyman—Cultural Historical and Biological Approaches to Identifying Homologous Structures  
 4:00 Michael J. O'Brien—Discussant

[60] Symposium ■ **The Archaeology of Complex Societies of North Coastal Peru: New Approaches and Visions**

Room: 204 (CC)

Organizer and Chair: Izumi Shimada

Participants:

- 1:00 Anne Marie Hocquenghem—Expansion of the Agrarian Frontier in Piura  
 1:15 Jorge Montenegro, Izumi Shimada and Victor Curay—Late Prehispanic Settlements and Irrigation Canals in the Upper Piura Valley  
 1:30 Rupert Gebhard, Thomas Hutzelmann, Josef Riederer, Izumi Shimada and Ursula Wagner—The Firing of a Formative Kiln under Reducing Conditions: A Mossbauer Study  
 1:45 Adriana Maguina-Ugarte—The Gallinazo Occupation of La Leche Valley, Lambeyque, Peru  
 2:00 Claude Chapdelaine—Out in the Streets of Moche: Urbanism and Sociopolitical Organization at a Moche IV Urban Center  
 2:15 John Verano—Biological Continuities and Discontinuities in Pre-Hispanic Populations of Northern Coastal Peru  
 2:30 Break  
 2:45 Izumi Shimada, Robert Benfer, Robert Corruccini, Julie Farnum and Kazuharu Mine—Sican Population and Mortuary Practice: A Multi-Dimensional Perspective  
 3:00 Kathryn Cleland—A Bronze Transformation in Ancient Peru: Cultural Impacts of Sican Metallurgical Production  
 3:15 Joanne Pillsbury—From Sican to Chan Chan: Imagery, Media and Exchange  
 3:30 Frances Hayashida—The Inka Occupation of the Leche Valley  
 3:45 Garth Bawden—Discussant  
 4:00 Patricia Lyon—Discussant

[61] Symposium ■ **Archaeological Lessons from Chunchucmil, Yucatan, Mexico**

Room: 602 (CC)

Organizer and Chair: Bruce H. Dahlin

Participants:

- 1:00 David Vlcek and Bruce H. Dahlin—The Organization of Regional and Urban Spaces at Chunchucmil and their Meanings  
 1:15 Lea Pickard and Timothy Beach—The Dating of Chunchucmil  
 1:30 Aline Magnoni—The Albarrada Groups at Chunchucmil  
 1:45 Virginia Ochoa and Mary Elizabeth Chambers—The Intensive Surface Collection at Chunchucmil  
 2:00 Mary Elizabeth Chambers and Clara Bezanilla—Sascabera Investigations at Chunchucmil  
 2:15 Bruce H. Dahlin and John Jones—Preliminary Paleoecological Studies at Chunchucmil  
 2:30 Timothy Beach—Soils Archaeology of Chunchucmil, Northwest Yucatan  
 2:45 Sheryl Luzzadder-Beach—Water Resources Investigation of the Chunchucmil Maya Site

[62] General Session ■ **Maya Prehistory**

Room: 609 (CC)

Chair: Wendy Ashmore

Participants:

- 1:00 Christopher von Nagy—New Data on Rural Pottery Systems from the La Venta Periphery  
 1:15 Mary Pohl, Kevin Pope, Christopher von Nagy, John Clark and Joanne Harrison—Sorting out Ceramics and Cultural Origins of the Lowland Maya  
 1:30 Jay Hall and Rene Viel—The Formative of Copan  
 1:45 Terry Powis—A Preliminary Study of Preclassic Architecture in the Belize Valley

- 2:00 Jeb Card—The Classic-Postclassic Transition at San Andres, El Salvador  
 2:15 J. Gregory Smith, William Ringle and Tara Bond—Terminal Classic Maya Borderlands: The Case of Ichmul de Motley, Northern Yucatan, Mexico  
 2:30 Lisa LeCount, Richard Leventhal, Wendy Ashmore, Glenn Russell and Michael Gottesman—New Dates and Old Issues: Radiocarbon and Obsidian Hydration Dating of Late and Terminal Classic Maya Ceramic Phases from Xunantunich, Belize  
 2:45 Justine M. Shaw—The Late Classic at Yaxuna, Yucatan, Mexico  
 3:00 Break  
 3:15 Lauren A. Sullivan—Ceramic Analysis in Northwestern Belize: Chronology and Typology  
 3:30 Dave Johnstone—Yaxuna Ceramics: Chronologic and Spatial Relations  
 3:45 Anne S. Dowd and Anthony F. Aveni—The Maya Space-Time Continuum: Calakmul's Group E-Type Complex  
 4:00 Rene Viel and Jay Hall—The Chronology of Copan, Honduras: An Update and Discussion  
 4:15 Jeffrey Durst—Early Classic Maya Tomb in Northwestern Belize  
 4:30 Jaime J. Awe, Cameron Griffith and Chris Helmke—The Archaeology and Iconography of Actun Uayazba Kab (Handprint Cave), Belize

[63] General Session ■ Archaeology of Western North America

Room: 307/308 (CC)

Chair: Bryan Hockett

Participants:

- 1:00 Amy M. Holmes, George T. Jones, and Charlotte Beck—Depositional Patterns at the Sunshine Paleoindian Locality, Nevada  
 1:15 Ripan S. Malhi—The Genetic Prehistory of the Columbia Plateau  
 1:30 Brooke Arkush—Archaeological Investigations at Lower Lead Mine Hills Cave in the Western Great Salt Lake Desert of Northern Utah  
 1:45 William Gray Johnson, Robert C. Jones, Barbara A. Holz and Harold Drollinger—Landmark Rock: An Archaeological Investigation of Continuous Occupation from Prehistoric to Historic Times in the Southern Great Basin  
 2:00 D. L. Kirner, Amy Dansie, Karen Selsor, Don Tuohy and R. E. Taylor—Dating Dogs We have Known: AMS Radiocarbon Dates on Canid Remains in the Western Great Basin  
 2:15 George Wingard—Unique Stone Structures in the Northern Great Basin: A Preliminary Report  
 2:30 Jeanette A. McKenna—Results of a Data Recovery Program at CA-CAL-1633: A Miwok Site in Calaveras County, California  
 2:45 Mary F. Ricks and William J. Cannon—Rock Art as an Indicator of Early Upland Aggregation Sites in the Northern Great Basin  
 3:00 Angus Quinlan—Shamanism and the Rock Art of Far Western North America—A Critical Re-appraisal  
 3:15 Jonathan Danz—Investigation of a Disturbed Site and its Potential to Yield Useful Archeological Data, Saddle Mts., Central Washington  
 3:30 William T. Hartwell—Lithic Resource Depletion at Yucca Mountain, Southern Nevada  
 3:45 Gregory Haynes—Camp Sites and Stone Quarries: Intraregional Comparisons between Early Holocene Sites near Yucca Mountain in Southwestern Nevada  
 4:00 Robert M. Wegener—The Terminal Middle and Initial Late Archaic at Skull Creek Dunes, Southeastern Oregon  
 4:15 Richard M. Pettigrew—Obsidian Hydration Chronology in Eastern Oregon  
 4:30 William H. Lyons—An Expedient Blade-Core Industry at Lost Dune, a Late Prehistoric Bison Processing Site in Harney County, Oregon  
 4:45 Michael Robbins and Francis Smiley—The Butler Wash Rockshelters Project: Preliminary Data Recovery from Extensively Looted Contexts

[64] General Session ■ Mesoamerica: Material Culture Studies

Room: 201 (CC)

Chair: Geoffrey Braswell

Participants:

- 1:00 R. Sergio Herrera, Ann Cyphers, Hector Neff and Michael Glascock—Chemical Analysis of Early Formative Pottery from San Lorenzo-Tenochtitlan, Veracruz, Mexico  
 1:15 Craig Goralski—Yarumela, Honduras: New perspectives on Formative Period Trade through the Use of Neutron Activation Analysis  
 1:30 Kay Sunahara—Ancient Maya Ceramics from the Belize River Valley: Preliminary Findings of Ceramic Petrology Studies  
 1:45 Margaret Bruchez, Hector Neff, William D. James and David Carlson—Compositional Patterning in Ceramics from Chigojom on the Northern Rim of the Lake Atitlan Basin, Guatemala  
 2:00 W. James Stemp—Maya Lithic Consumption, Reuse and Recycling at Marco Gonzalez, Ambergris Cay, Belize  
 2:15 Shannon H. Ascher and Heather McKillop—Extending the Northern Belize Chert Distribution Sphere  
 2:30 Geoffrey E. Braswell, Joel D. Gunn, Maria del Rosario Dominquez Carrasco, William J. Folan and Michael D. Glascock—Late and Terminal Classic Obsidian Procurement and Production at Calakmul, Campeche, Mexico  
 2:45 Richard L. Burleson—Microwear Analysis of the Postclassic Site, Isla Cilvituk: Experimental Approaches for Determining Stone Tool Function  
 3:00 Break  
 3:15 Christine A. McDonnell—Oaxacan Economic Strategies and the Daily Grind Re-Thought  
 3:30 Ernest Bury—Lime and the Ancient Maya  
 3:45 Eric Hansen—The Preclassic Beginnings of Ancient Maya Burnt-Lime Technology and Late Classic Innovations: The Data from Nakbe, Peten, Guatemala  
 4:00 Marilyn Beaudry-Corbett and Charisse McCafferty—Tale of Two Fibers: Cotton, Maguey, and Spinning at Ceren, El Salvador  
 4:15 Roberto Ruiz Guzman—Las Figurillas e Instrumentos Musicales de Calakmul, Campeche, Mexico  
 4:30 Thomas A. Wake—Cherla Phase Bone Artifact Production at Paso De La Amada and its Implications for the Americas  
 4:45 Della Sprager—Observations of a Weight Watcher: Mass Measurement in the Precolumbian Americas

[65] General Session ■ Archaeology and Computers

Room: 608 (CC)

Chair: Kevin Pape

Participants:

- 3:45 Ernest Lohse—Metalanguage or Metabaggage: Archaeological Database Constructions in Cyberspace  
 4:00 K. Kris Hirst—Mining the Web: Bridging the Gap between Archaeology Content Producers and Consumers  
 4:15 W. James Judge—The Puzzle House Site Report: Trials and Tribulations of Electronic Publishing

[66] General Session ■ Southern California

Room: 211 (CC)

Chairs: Donn Grenda and David Maxwell

Participants:

- 3:15 Donn Grenda—Sand Dunes and Site Structure on San Nicolas Island, California  
 3:30 Virginia Howard—Steatite Production on Santa Catalina Island: Issues of Specialization

- 3:45 Virginia Popper and Lisa Klug—Prehistoric Subsistence Adaptation in Coastal Orange County, California  
 4:00 Steven J. Schwartz, David Maxwell, Donn Grenda and William Walker—Ceremonial Trash from SNI-39, San Nicolas Island, California  
 4:15 Andrew R. Pignolo—The Typological Margin: Prehistoric Ceramic Typologies in Southern California  
 4:30 Donna Gillette—PCN's of the Coast Ranges of California: Religious Expression or the Result of Quarrying

[67] General Session ■ **Historical Archaeology in Latin America and Africa**

Room: 602 (CC)

Chair: Mary Van Buren

Participants:

- 3:15 Maria Ximena Senatore—European Strategies of Incorporation of Marginal Areas: The Spanish Projects in Patagonian Region  
 3:30 Alfredo Minetti—Landscape Archaeology: Analysing Rio de Janeiro's Urban Core at the End of the 19th Century  
 3:45 Jeremy Cohen, Alfred Woods and Kathleen Deagan—Spanish America's First Boom Town: Preliminary Research at Concepcion de la Vega, Dominican Republic (1494-1562)  
 4:00 Oralia Cabrera—XVI Century Textile Tribute in Central Mexico: Colonial Census Data from Morelos  
 4:15 Harold Haley—Mapa Metlatoyuca-Tlapitepec  
 4:30 Stacey Jordan—Pottery Production and Meaning at the Dutch Colonial Cape of Good Hope, South Africa (1652-1795)

[68] Sponsored Forum ■ **What Would You Do If...?** (Sponsored by SAA Ethics Committee)

Room: 303 (CC)

Time: 1:00-5:00

Organizer and Moderator: Hester A. Davis

Participants: Julia Costello; K. Anne Pyburn; Karen Vitelli

[69] Workshop ■ **Writing and Publishing Your Dissertation or Thesis**

Room: West Room A (SS)

Time: 1:00-3:00

Moderator: Caryn Berg

[70] Workshop ■ **Obsidian Hydration II: Environmental and Material Parameters**

Room: Aspen (SS)

Time: 1:00-5:00

Instructors: Jonathan Ericson, Robert Doremus, John Bates

[71] Workshop ■ **Presenting Archaeology to Children: Tools and Tips**

Room: Cedar (SS)

Time: 1:00-5:00

Organizer: Jeanne Moe

## FRIDAY MORNING, MARCH 27, 1998

[72] Poster Symposium ■ **The Intersection of Political, Ideological and Economic Processes at a Secondary Administrative Center: Research and Undergraduate Education in the Naco Valley, Northwestern Honduras**

Room: 6A (CC)

Time: 8:00-12:00

Organizers: Patricia Urban and Edward Schortman

Participants:

- 72a Bryan Robbins, Miranda Stockett and Amanda Moser—The East Patio Excavations: Behavioral Reconstructions in Site 128's Monumental Core  
 72b Frances Black, Neville Handel, Aimee Althoff and Lesley Keiner—Social Differentiation with Site 128's Northwest Patio  
 72c Edward Schortman, Olga Steffan and Allyson Dietz—Life at the Bottom: Behavioral Reconstructions for Site 128's Southwest Patio  
 72d Neil Ross—Written in Stone: Political, Social, and Economic Implications in Site 128's Lithic Assemblage  
 72e Marne Ausenc—Expressing Oneself: Implications for Identity Formation from Late Classic Painted Ceramics at Site 128  
 72f Sylvia Duggan—Patterns of Ideological Distinction and Incorporation: Ritual Objects in the Late Classic Site 128 Assemblage  
 72g Ellen Bell—Cut from the Same Mold? Economic, Political, and Ideological Implications of Site 128's Late Classic Figurine Assemblage  
 72h Patricia Urban and Edward Schortman—Investigating Complexity: Pedagogical and Substantive Implications of the Site 128 Research

[73] Poster Session ■ **Latin America**

Room: 6A (CC)

Time: 8:00-12:00

Participants:

- 73a L. Theodore Neff—Pre-Columbian Terrace Agriculture in the Maya Lowlands: Initial Results from Investigations in the Dos Chombitos Region, Belize, Central America  
 73b Anabel Ford and Clark Wernecke—Towards a New Concept for the Maya Forest: Imagining the El Pilar Archaeological Reserve for Maya Flora and Fauna  
 73c David Maxwell—Human Remains as Offerings at Four Maya Centers  
 73d Sara Anne Dvorak—Social Stratification and Elite Control: A Comparison of Faunal Remains among Elite and Non-Elite Contexts from La Quemada, Zacatecas, Mexico  
 73e Jorge Ramos de la Vega, M. Lorenza Lopez Mestas Cameros and Bruce Benz—First Century Paper and Fibers from the Huitzilapa Shaft Tomb in Jalisco, Mexico  
 73f Gabriela Urnuela, Patricia Plunket, Gilda Hernandez, Nicolas Quintana and Juan Albaitero—Mortuary Patterns in the Late Preclassic Houses of Temtimpa, Puebla, Mexico  
 73g Benton Gaffney—A Statistical Analysis of the Tlatilco Figurine Typology  
 73h Inga E. Calvin—Rollouts as a Key to Culture  
 73i Stephen Whittington, James Vose and Charles Hess—Scientific Examinations of an "Olmec" Carved Emerald  
 73j L. Stephen Velasquez, Daniel Rogers and Yoko Sugiura—Late Postclassic Ceramic Analysis from the Toluca Valley, Mexico  
 73k Phyllisa Eisentraut—A Comparison of Late Archaic-Early Formative Period Macrobotanical Remains from the Western Titicaca Basin of Southern Peru  
 73l Dennis Ogburn—GIS Analysis of Inca and Pre-Inca Settlement Patterns in Saraguro, Ecuador

- 73m Donna Nash and Patrick R. Williams—Wari Second Storey and Roof Construction Technology at Cerro Baul  
 73n Trisha Thorne—Chemical Characterization of Initial Period Pottery from the Lurin Valley, Peru  
 73o Heather E. McInnis—Subsistence and Maritime Adaptations at Quebrada Jaguay, Camana, Peru: A Faunal Analysis

[74] Poster Session ■ Old World Archaeology

Room: 6A (CC)

Time: 8:00–12:00

Participants:

- 74a Shannon P. McPherron and Harold L. Dibble—The Middle Paleolithic Site of Pech de l'Azé IV (Dordogne, France)  
 74b Nancy Coinman—Ain el-Buhira: A Unique Upper Paleolithic Site in the Wadi al-Hasa, Jordan  
 74c Francis Harrold, Nerissa Russell, Brooks Ellwood, Karl Petruso and Julie Hansen—The Mesolithic-Neolithic Transition at Konispol Cave, Albania  
 74d Jerry D. Lyon—Imperial Expansion and Frontier Interaction: Multiscalar Artifactual Patterning in the Balikh Valley of Northern Syria  
 74e Michael F. Dega, P. Bion Griffin and Van Tea—Full Moons or Citadels: The Enigmatic Circular Earthworks of Eastern Cambodia  
 74f Elizabeth Hamilton and Kevin P. Smith—Iron Production at the early Viking period site of Hals, Iceland  
 74g Donna Ingham and Carl Blair—Closing the Circle: Archaeological Investigations of an Experimental Iron-Smelting Furnace  
 74h James R. Mathieu—New Methods on Old Castles: Generating New Ways of Seeing

[75] Sponsored Symposium ■ Pots to Potholes: Paving New Roads to the Past through Transportation Corridor Studies (Sponsored by Association of Transportation Archaeologists)

Room: 605/610 (CC)

Organizers: Jenna Gaston, Kevin Cunningham and Julie Francis

Chair: Jenna Gaston

Participants:

- 8:00 Kristen Beckman—The Tunkhannock Bypass—a Case Study Illustrating the Research Benefits of Transportation Projects  
 8:15 Andrea Novick, Roy Shelton and Stephen Claggett—Highway Planning and Predictive Modelling in North Carolina Transportation Projects  
 8:30 Robert Reeder—A Highway Perspective of Missouri's Archaeological Resources  
 8:45 Petar Glumac, Elizabeth Crowell and Dennis Knepper—New Insights into the Prehistory and History of the Nation's Capital Derived from Highway Archaeological Mitigation Projects  
 9:00 Michael Rondeau—Prehistoric Obsidian Re-Use in California  
 9:15 David Eckles, Julie Francis and Craig Smith—Where are the Bison? Highway Archaeology and New Views of Wyoming Prehistory  
 9:30 Jenna Gaston—Road Cut Archaeology: Deposits and Withdrawals from the Bank  
 9:45 Break  
 10:00 James M. Collins—Cultural Mechanisms Underlying Havana Tradition Expansion into the Upper Mississippi Valley  
 10:15 Charles LeeDecker—Investigating the Taphonomy of Pit Features along Delaware's State Route 1  
 10:30 Kevin Cunningham—Invisible Native American Isolate Groups in Central Delaware

- 10:45 Johna Hutira—On the Road to Ruins: The Grewe/Casa Grande Ruins Site Complex  
 11:00 Nina Swidler and Janet Cohen—Native American Participation in Cultural Resource Investigations: On the Roads of Navajoland  
 11:15 Cindy K. Dongoske, Kurt E. Dongoske, Lennis G. Berlin, T.J. Ferguson and Leigh J. Kuwanwisiwma—Preservation of Hopi Trails: Managing the Interface between the Physical and Spiritual Worlds  
 11:30 Nancy Kenmotsu, Ann Irwin and Lain Ellis—Targeting Future Highway Research Dollars: What to Do When We Can't Do Everything

[76] Sponsored Symposium ■ Formation Processes in Regional Perspective (Sponsored by SAA Geoarchaeological Interest Group)

Room: 618/619 (CC)

Organizers: Jeff D. Leach, Donald L. Johnson, Michael Petraglia and Rolfe Mandel

Chair: Jeff D. Leach

Participants:

- 8:00 David Leigh—Evaluating Bioturbation Versus Eolian Sedimentation as a Site Burial Process in the Southeastern United States  
 8:15 John Isaacson, Donald Johnson and Dianna Johnson—Holocene Sea Level Dynamics of Submarine Canyons and Estuaries: Implications for Terminal Pleistocene Archaeological Sites in California  
 8:30 Cynthia Balek—Buried Artifacts in Stable Upland Sites in Illinois: In Situ or Not?  
 8:45 Donald L. Johnson—Dynamic Denudation as a Global Framework for Assessing Site Formation Processes  
 9:00 Alston Thoms—Natural Site-Formation Processes on Sandy Upland Landforms: Examples from Northwest and South-Central North America  
 9:15 Evan Peacock and David W. Fant—Artifact Translocation in Upland Sandy Soils: An Example from the Holly Springs National Forest, North-Central Mississippi  
 9:30 C. Russell Stafford and Steven Creasman—The Hidden Record: Soil-Geomorphic Landscapes and Settlement Archaeology in the Middle Ohio River Valley  
 9:45 Rolfe Mandel and Arthur Bettis—The Effects of Temporal and Spatial Patterns of Holocene Erosion and Alluviation on the Archaeological Record of the Central and Eastern Great Plains, U.S.A.  
 10:00 Jeff D. Leach, David L. Nickels, Lee Nordt and Raymond Mauldin—Modeling the Dynamic Accumulation of an Anthromantle: The Texas Burned Rock Midden Reconsidered  
 10:15 Masakazu Tani—Residual Primary Refuse: A Case Study of Microartifacts  
 10:30 Britt Bousman, Paul Goldberg and Louis Scott—Formation Processes in Later Stone Age Blydefontein Rock Shelter, South Africa  
 10:45 Joseph Schuldenrein and Michael Petraglia—Formation of Archaeological Landscapes in India  
 11:00 David D. Kuehn and Michael R. Waters—Dynamic Landscape Change as a Significant Agent in Archaeological Site Formation: Physical and Interpretive Examples from the Great Plains and Southwest  
 11:15 Julieann Van Nest—The Good Earthworm: How Natural Processes Preserve Upland Archaic Sites in the Midwest  
 11:30 Reid Ferring—Discussant  
 11:40 Ofer Bar-Yosef—Discussant  
 11:50 E. Arthur Bettis II—Discussant

[77] Symposium ■ **Public Archaeology and the Power of Local Preservation Law**  
Room: 211 (CC)

**Organizer and Chair:** David W. Cushman

**Participants:**

- 8:00 Brona G. Simon—Community Archaeology: Working with Local Governments
- 8:15 Nick Bellantoni, William Haase and Deborah Winicki—Municipal Planning Strategies for the Protection of Archaeological Resources in Connecticut
- 8:30 John O'Shea, Peter Kotila, and William Parkinson—Archaeological Review in Ann Arbor, Michigan
- 8:45 Kerry McGrath—Archaeological Preservation in the Midwest: Two Examples from Iowa
- 9:00 Leslie Mouriquand—A Tale of Two Cities: La Quinta Then and Now
- 9:15 David W. Cushman—Preserving Our Options: Public Archaeology in Santa Fe, New Mexico
- 9:30 Linda Mayro—Pima County Arizona Preservation Policy and Procedures: Public and Private Sector Development and Review
- 9:45 Robert Carr—Miami Underground: Dade County's Archaeological Preservation Success Story
- 10:00 Thomas Wheaton—Historic Preservation and Archaeology in DeKalb County, Georgia
- 10:15 Aleta Lawrence—When Ordinances Fail: Achieving Local Archaeological Preservation by Other Means
- 10:30 Shereen Lerner—Discussant

\* [78] Symposium ■ **Archaeologies of Sexuality**

Room: 615/617 (CC)

**Organizers:** Robert A. Schmidt and Barbara Voss

**Chair:** Robert A. Schmidt

**Participants:**

- 8:00 Robert A. Schmidt—Sex in the Dirt: Introduction to the Archaeologies of Sexuality
- 8:15 Gayle Rubin—Sites, Settlements, and Urban Sex: Archaeology and the Study of Gay San Francisco
- 8:30 Roberta Gilchrist—Placing the Feminine: The Female Body in Medieval Monastic Architecture
- 8:45 Barbara Voss—Colonial Sex
- 9:00 Whitney Davis—The Site of Sexuality
- 9:15 Victor Buchli—Constructing Utopian Sexualities: The Archaeology and Architecture of the Early Soviet State
- 9:30 Donna J. Seifert—Mary Hall's First Class Bawdy House
- 9:45 Break
- 10:00 Laurie Wilkie—Magical Passions: Sex and African-American Archaeology
- 10:15 Adrian Praetzelis, Julia G. Costello and Mary Praetzelis—The Duality of American Victorianism and the Material Culture of Prostitution
- 10:30 Sandra Hollimon—Gender and Sexuality in Prehistoric Chumash Society
- 10:45 Eleanor Casella—Bulldaggers and Gentle Ladies: Archaeological Approaches to Female Homosexuality in Convict Era Australia
- 11:00 Lynn Meskell—Re-Embedding Sex
- 11:15 Rosemary Joyce—A Precolumbian Gaze: Male Sexuality among the Ancient Maya
- 11:30 Will Roscoe—Discussant
- 11:45 Margaret Conkey—Discussant

[79] Symposium ■ **Prehistoric Communication: The First Wheels, Roads, Metals and Monumental Architecture**

Room: 611 (CC)

**Organizer and Chair:** Maximilian O. Baldia

**Participants:**

- 8:00 Romuald Schild and Fred Wendorf—Late Neolithic Megalithic Structures at Nabta Playa (Sahara), Southwestern Egypt
- 8:15 Margarita Primas—Monuments and Mobility in SE Europe around 3000 BC
- 8:30 Karl-Friedrich Rittershofer and Ernst Pernicka—Earliest Copper in Europe: Recent analyses of metal objects from Albania
- 8:45 Jan Albert Bakker, Janusz Kruk, A. E. Lanting and Sarunas Milisauskas—The Earliest Evidence of Wheeled Transport in Europe and the Near East
- 9:00 Maximilian O. Baldia—Causewayed Enclosures, the Oldest Roads, the First Wagon Tracks, and the Development of Megalithic Tombs in Southern Scandinavia and Central Europe
- 9:15 Jurgen Hoika—Trade and Communication within the Neolithic Funnel Beaker Culture (TRB) of the Baltic Region
- 9:30 Miroslav Smid—Rmiz: The Oldest Fort with Stone Faced Rampart and Its Significance in the Neolithic/Copper Age Moravian Landscape
- 9:45 Break
- 10:00 Manfred Menke—Megaliths in Central Europe: Recent excavations at Muschenheim, Hesse, Germany
- 10:15 Magdalena S. Midgley—The Earthen Long Barrow Phenomenon in Europe: A Vision of the Neolithic World
- 10:30 Serge Cassen—Parameters of the Neolithisation in the West of France: from the Circulation of Prestige Goods to the Invention of Symbols
- 10:45 Dean R. Snow—Archaeological Signatures of Population Movements: The Case of Early Christian Ireland and Scotland
- 11:00 Richard Vivian—New World Roads: Symbols of Control and Unity
- 11:15 Paul K. Wason—Monuments, Religion, Status and Communication in the Neolithic
- 11:30 John Staeck—Mounds, Monuments, and the Politics of Power: Dimensions of Effigy Mound Function

[80] Symposium ■ **International Cooperation in Caribbean Archaeology**

Room: 602 (CC)

**Organizer and Chair:** David R. Watters

**Participants:**

- 8:00 David R. Watters—Promoting Collaborative Projects in Caribbean Archaeology
- 8:15 A. Reginald Murphy and Paul F. Healy—Canada and Caribbean Archaeology
- 8:30 Alissandra Cummins—Managing the Unmanageable: The Development of Archaeological Collections in Caribbean Institutions
- 8:45 Aad H. Versteeg—International Cooperation during Archaeological Projects: The Experiences and Results Obtained in Aruba
- 9:00 Arminda Ruiz—Archaeological Investigations on Aruba: The Benefits and Constraints of International Cooperative Projects
- 9:15 Corinne L. Hofman, Menno L. P. Hoogland and Andre Delpuech—International Cooperation on Guadeloupe: Excavations at the Multi-Component Site of Anse à la Gourde
- 9:30 Menno L. P. Hoogland, Annelou van Gijn and Sebastiaan Knippenberg—Flint Sources in the Lesser Antilles: Implications for Inter-island Contact Networks
- 9:45 Peter L. Drewett—Working Together: University College London's Archaeological Projects in the Caribbean

[81] **Symposium ■ New Directions in the Archaeology of the Chesapeake Bay Region: Social, Biological, and Geomorphological Studies of Cultural Landscapes**

Room: 620 (CC)

Organizers and Chairs: Michael J. Klein and Martin Gallivan

Participants:

- 8:00 Daniel R. Hayes and G. William Monaghan—The Down and Dirty Approach to a Variable Archaeological Record: A Geomorphological Framework for Archaeological Site Formation, Preservation and Discovery in the James and Potomac River Basins
- 8:15 Dennis Knepper and Petar Glumac—Woodland Period Occupation in the Virginia Piedmont: Site Formation and Data Analysis at the Broad Run Site
- 8:30 Mike Klein—Dating Multiple Occupation Sites by Analysis of Artifact Attributes
- 8:45 Martin Gallivan—Late Woodland Architectural and Pit Features of the James River Valley: An Interpretation
- 9:00 Dennis B. Blanton—Migration and Chiefdom Formation on the Potomac (Virginia): Improved Interpretation of the Potomac Creek Site (44ST2)
- 9:15 Richard J. Dent and Christine A. Jirikowic—Late Prehistory in the Middle Potomac Valley: Community and Cultural Landscape at the Hughes Site
- 9:30 Heather Lapham—Some Thoughts on Glass Beads and Exchange Patterns in the Interior Chesapeake Bay Region
- 9:45 Debra Gold—Emergent Social Inequality in Late Woodland Interior Virginia: a Bioarchaeological Perspective
- 10:00 Break
- 10:15 Gary Dunham—The Other as Time: How Objects Make Anthropologies
- 10:30 Jeffrey L. Hantman—"Ancestral Monacan Society": Cultural and Temporal Boundedness in American Indian History in Virginia
- 10:45 Mincy Maxham—Powhatan's Economy and Elite Identity in Pre- and Post-contact Coastal Virginia
- 11:00 Virginia Busby—A Convenient Dwelling Place in This Their Native Country: An Archaeological Examination of the Construction of Community and Native Settlements in the Later Colonial Chesapeake
- 11:15 Deidre McCarthy—Geographic Information Systems: A Powerful Tool for Cultural Landscape Studies
- 11:30 Cliff Boyd—The Promise of Virginia Archaeology
- 11:45 Kent Lightfoot—Discussant

[82] **Symposium ■ Evaluating the Importance of War in the Hohokam Region**

Room: 607 (CC)

Organizer and Chair: Glen E. Rice

Participants:

- 8:00 Glen E. Rice—Hohokam Irrigation Farmers as "Organizations of Predatory Expansion"
- 8:15 David R. Wilcox, Jerry Robertson and Scott Wood—Organized for War? The Perry Mesa Settlement System
- 8:30 Theodore J. Oliver—Warfare in the Salado Heartland
- 8:45 Henry D. Wallace and William H. Doelle—Classic Period Warfare in Southeastern Arizona
- 9:00 Dennis C. Gosser and Arleyn W. Simon—Conflict and Trade among the Hohokam: Motivation or Alleviation?
- 9:15 David Jacobs—Iconography of Warfare?
- 9:30 Steven LeBlanc—Discussant

[83] **Symposium ■ Contextualizing Maya Warfare in Time and Space: New Archaeological and Iconographic Interpretations**

Room: 606 (CC)

Organizer: Paul R. Cackler

Participants:

- 10:00 Paul R. Cackler and Brett Methner—The Evolution of Maya Warfare
- 10:15 Kathryn Reese-Taylor—The Way of the Warrior King: Militarism among the Late Preclassic Maya
- 10:30 Saburo Sugiyama—Teotihuacan Militarism and its Implications in Maya Social Histories
- 10:45 Matthew Looper—Textual Evidence for Warfare and its Impact on Classic Maya Economy
- 11:00 Traci Ardren and Charles Suhler—Evidence for Late Classic Conflict at Yaxuna: Local and Regional Implications
- 11:15 Linnea Wren—Military Structures and Structures at Chichen Itza: Terminal Classic Warfare in the Northern Maya Lowlands
- 11:30 Flora S. Clancy and David Murray—Ancient Battle Scenes in Mesoamerica
- 11:45 Arthur Demarest—Discussant

[84] **Symposium ■ Inter-regional Dynamics: Cerros de Trincheras and the Prehistory of the Borderlands**

Room: 310 (CC)

Organizer and Chair: Maria O'Donovan

Participants:

- 8:00 Maria O'Donovan—Cerros de Trincheras: Past Research and Future Directions
- 8:15 Robert J. Hard, John R. Roney and Karen Adams—Cerro Juanaquena: A Late Archaic Trincheras Site in Northern Chihuahua
- 8:30 Jose E. Zapata—The Cerro de la Cruz Trincheras Experiment
- 8:45 Kari M. Schmidt and Jennifer E. Nisengard—Faunal Remains from Cerro Juanaquena: An Aggregated, Late Archaic Site in Northern Chihuahua
- 9:00 M. Elisa Villalpando—Cerro de Trincheras, Its Role in the Development of the Site Type
- 9:15 Emiliano Gallaga—The Polychrome Ceramics from the Site "Cerro de Trincheras," Sonora, Mexico
- 9:30 Victoria Vargas—Shell Trade within Northwestern Mexico: Cerro de Trincheras and Casas Grandes
- 9:45 John R. Roney and Robert J. Hard—A Note on the Temporal and Spatial Distributions of Cerros de Trincheras
- 10:00 Randall McGuire—A Comparison of Terraced Settlements in the Southwest/Northwest and in Mesoamerica
- 10:15 Jeffrey Parsons—Discussant



[85] **Symposium ■ Dynamic Landscapes and Sociopolitical Process: The Topography of Anthropogenic Environments in Global Perspective**

Room: 609 (CC)

Organizers and Chairs: Christopher T. Fisher and Tina L. Thurston

Participants:

- 8:00 Nicholas Dunning, Vernon Scarborough and Fred Valdez—Temple Mountains, Sacred Lakes, and Fertile Fields: Ancient Maya Landscapes in Northwestern Belize
- 8:15 Christopher Fisher, Helen Pollard and Charles Frederick—Landscape Change and Sociopolitical Development within the Lake Patzcuaro Basin, Michoacan, Mexico
- 8:30 Clark Erickson—Neo-Environmental Determinism and Agrarian "Collapse" in Andean Archaeology
- 8:45 William G. Gartner—Pre-Columbian Ridged Field Landscapes of the Upper Midwest



- Rachel*
- 9:00 Rachel L. Hunter-Anderson—From Palau to Rapanui: Are the Pacific Island Grasslands Recent "Artifacts" or Natural Formations?
- 9:15 Caroline L. Funk—Shamans, Dinners, and Mothers-in-Law: The Effect of Cultural Perception on Hunter-Gatherer Site Location
- 9:30 Break
- 9:45 Tina L. Thurston—The Knowable, the Doable, and the Undiscussed: Tradition, Submission, and the "Becoming" of Rural Landscapes in Denmark's Iron Age
- 10:00 LuAnn Wandsnider and Sheena Panja—In the Land of Biroba: Archaeological, Historical, and Ethnographic Analyses of the Evolution of Agro-Pastoral Socio-Natural Landscape in Semi-arid Peninsular India
- 10:15 Graeme Barker—Explaining Agricultural Intensification and Desertification in Roman North Africa
- 10:30 Effie F. Athanassopoulos—The Construction of an Archaeological Landscape: European Ideals and Archaeological Practice in the Classical Lands
- 10:45 Gary Feinman—Discussant
- 11:00 Barbara Bender—Discussant

[86] Symposium ■ **Beyond Temples and Tombs: Current Research on the Organization and Development of the Moche State**

Room: 613/614 (CC)

Organizers: George Gumerman IV, Brian R. Billman and Glenn S. Russell

Chair: George Gumerman IV

Participants:

- 8:00 George Gumerman IV—Hearth and Home: Household Excavations at Two Rural Moche Villages
- 8:15 Catherine Campbell—Architecture and Social Variation: Contrasts between an Early and Late Moche Site in the Moche Valley, Peru
- 8:30 Douglas Mehaffey—Food Preparation, Consumption, and Storage: Moche Domestic Wares
- 8:45 Gail Ryser—*Phaseolus* spp.: Moche Ideology and Economy Intertwine
- 9:00 James Tate—Maize Variability in the Moche Valley, Peru
- 9:15 Kimberley Wegesin—Pots and "Bots": The Application of SEM Technology for Identifying Moche Botanical Remains
- 9:30 Break
- 9:45 Gary Huckleberry—Evidence for Prehistoric Flooding in the Moche Valley, Peru
- 10:00 Brian R. Billman—Deciphering the Organization and Development of the Moche State: Confronting Problems of Demographic Reconstruction, Chronology, and Site Formation in the Moche Valley, Peru
- 10:15 Christopher J. Attarian—Diet, Status, and Affiliation in Moche Society: Ethnobotanical Data from the Chicama Valley
- 10:30 Margaret Jackson—Moche Iconography at Cerro Mayal, Peru
- 10:45 Glenn S. Russell—Remote Sensing, Excavation Survey, and Interpretation at Cerro Mayal, Peru
- 11:00 Lawrence B. Conyers, John A. Hildebrand, Glenn S. Russell, Santiago Uceda C., and Luis Jaime Castillo B.—Application of Ground Penetrating Radar and Magnetometry to the North Coast of Peru

[87] Symposium ■ **Archaeological Survey for the Next Century I: Rethinking Purpose and Policy**

Room: 307/308 (CC)

Organizers: Clark A. Dobbs and James A. Zeidler

Chair: Clark A. Dobbs

Participants:

- 8:00 Francis McManamon—Purpose and Policy—a National View of Archaeological Identification and Evaluation
- 8:15 Joel Klein—Why We Survey: Do New Reasons Mean New Approaches?

- 8:30 Michael T. Bies—An Example of BLM Practices and Survey Methods on the Northern Plains
- 8:45 James Zeidler and John Isaacson—Risk Assessment and the Role of Archaeological Survey: Managing Military Lands in the 21st Century
- 9:00 James D. Wilde, Newell O. Wright, Paul Green and Robin L. Burgess—Air Force Archaeological Surveys: What Can We Carry into the 21st Century?
- 9:15 David Snyder—Finding a Role for Small Sites in Building Interpretations of the Archaeological Record: Criterion D, Significance, and Large Scale Survey Data
- 9:30 Julie Morrow—There's Gold in Them Thar Hills: Archaeological Site Preservation in Upland Contexts
- 9:45 Michael Yeatts and Nina Swidler—Archaeological Survey and Native American Historic Properties
- 10:00 Joseph Tainter—Discussant
- 10:15 Lee Tippet—Discussant

[88] Symposium ■ **New Approaches to Phytolith Research in Archaeology**

Room: 304 (CC)

Organizer and Chair: Susan J. Pennington

Participants:

- 8:00 Susan Pennington—Modeling Phytolith Assemblages: Modern and Archaeological Case Studies of Gardening in England
- 8:15 Arlene Miller Rosen—Phytolith Evidence for Agro-Pastoral Economies in the Scythian Period of Southern Kazakhstan
- 8:30 Linda Scott Cummings—Phytoliths as Part of the Archaeobotanic Record
- 8:45 Terry Ball—Analysis of the Phytolith Record from the USDA Desert Experimental Range Station in Utah
- 9:00 George Rapp, Jr., Susan Mulholland and Gordon Peters—Phytolith Dating: Cautions and Conclusions
- 9:15 Becky K. Kerns and Margaret M. Moore—Surface Soil Phytolith Assemblages from a Ponderosa Pine/Bunchgrass Community
- 9:30 Patricia C. Anderson—Approaches to Transitions in Agricultural Technology in the Near East Using Study of Phytoliths
- 9:45 Irwin Rovner—CRM Discovers Phytolith Analysis in the Eastern U.S. Woodlands: Part II. Threats, Promises and Real Data
- 10:00 Alix Powers and Marco Madella—X-ray Vision? Molecular Analysis of Cereal Phytoliths

[89] Symposium ■ **The Economics of Stone Commodities on Islands of the Pacific**

Room: 303 (CC)

Organizers and Chairs: Jeanne Day Binning and Joan S. Schneider

Participants:

- 8:00 Ayse Taskiran—The Organization of Chipped Stone Technology at SNI-39 on San Nicolas Island
- 8:15 William S. Ayres—Stone Adz Materials on Easter Island
- 8:30 Felicia Rounds Beardsley and Gordon G. Gales—Sampling for Provenance: Tailings from the South Pacific
- 8:45 Jeffrey T. Clark—Samoan Lithic Technology
- 9:00 Robert L. Spear and David Kyle Latinis—The Curious Case of the Finger Grips That Weren't
- 9:15 Jeanne Day Binning and Joan S. Schneider—Poi Pounders in Prehistoric Hawai'i
- 9:30 Break
- 9:45 Peter Mills—Early Historical Hawaiian Lithic Technologies: A Case Study from Fort Elisabeth State Historical Park, Kaua'i

- 10:00 Scott Williams and Richard Nees—Lua Pohaku of the Saddle Region of the Island of Hawai'i  
 10:15 Barbara Lass—Adzes and Oranges: A Comparison of Petrographic and Geochemical Analysis in Sourcing Hawaiian Stone Adzes  
 10:30 Patrick C. McCoy—The Development of the Mauna Kea Adze Quarry into a Pan-Island Production Center: A Review of the Evidence and the Implications  
 10:45 J. Jeffrey Flenniken—Discussant  
 11:00 Patrick V. Kirch—Discussant

[90] Symposium ■ **The Classic/Postclassic Transition in Central Mexico**

Room: 201 (CC)

Organizer and Chair: Geoffrey G. McCafferty

Participants:

- 8:00 Juan Cervantes Rosado and Patricia Fournier—The Tula Region after the Fall of Teotihuacan: The Epiclassic Period in the Land of Agave  
 8:15 Patricia Fournier and Alejandro Pastrana—Living on the Lava: Cuicuilco During the Epiclassic Period  
 8:30 Rocio Vargas, Linda Manzanilla, Blanca Paredes and Zayil Salazar—Genetic Assessment of Epiclassic and Early Postclassic Populations in the Valley of Teotihuacan  
 8:45 Mari Carmen Serra Puche—The Epiclassic at the South Valley of Tlaxcala  
 9:00 Rex Koontz—El Tajin and the Rio Blanco/Papaloapan Region of Southern Veracruz: Ceramic and Iconographic Interaction  
 9:15 Geoffrey G. McCafferty and Jane Spencer—Stamp Bottom Bowls and the Origins of the Mixteca-Puebla Style at Cholula, Puebla

[91] Symposium ■ **What Happened 11,000 Years Ago in North America?**

Room: 6E (CC)

Organizer and Chair: Gary Haynes

Participants:

- 8:00 D. Gentry Steele and Joseph F. Powell—Assessing North America's Human Fossil Record: Historical and Comparative Perspectives  
 8:15 David G. Anderson, Michael K. Faught and J. Christopher Gillam—Paleoindian Site/Artifact Distributions Viewed from a Very Large Scale: Evidence and Implications  
 8:30 Yance Haynes—Geochronology of the Stratigraphic Manifestation of Paleoclimatic Events at Paleoindian Sites  
 8:45 Russell Graham—Mammals' Eye View of Environmental Change in the United States at the End of the Pleistocene  
 9:00 Paul L. Koch—Diet Breadth and Home Range of Late Pleistocene Megafauna  
 9:15 Gary Haynes—Clovis Ecology, Diet, and Mammoth Hunting  
 9:30 Donald K. Grayson, Charlotte Beck and G. Thomas Jones—Paleoindian Site Distribution and Biotic Richness in the Great Basin  
 9:45 Tom Dillehay—Discussant  
 10:00 Lawrence Straus—Discussant

[92] Symposium ■ **Ritual, Symbolism and Ideology in the Prehistoric American Southwest**

Room: 607 (CC)

Organizers: Marit K. Munson and Elizabeth A. Bagwell

Chair: Elizabeth A. Bagwell

Participants:

- 10:15 William H. Walker—Prehistoric Ritual and Object Life Histories  
 10:30 Erica Hill—Ritual Interment of Animals in the North American Southwest

- 10:45 Sally Cole—Iconography as Evidence of Post-A.D. 1000 Fremont-Pueblo Integration  
 11:00 Scott Ortman—Cognitive Science and Culture History in Mesa Verde Pottery Painting, A.D. 1060–1280  
 11:15 Helen Crotty—Inferring Prehistoric Southwestern Ideologies from Pueblo IV Anasazi Kiva Murals  
 11:30 Marit K. Munson—An Architectural and Iconographic Assessment of Ritual Space on the Pajarito Plateau, New Mexico  
 11:45 E. Charles Adams—Discussant

[93] Symposium ■ **Sociopolitical Impact of the Arrival of the Bow and Arrow Technology in the Andes**

Room: 204 (CC)

Organizer and Chair: David L. Browman

Participants:

- 10:15 Johnny Isla, Patrick Ryan Williams, Lucia Medina and Deborah Blom—The Nature of Wari Militarism at Cerro Baul  
 10:30 Jane Stone—Evidence for the Use and Impacts of Bow and Arrow Technology at Wari, Peru  
 10:45 Martin Giesso—Which Target? Arrows, Bows and Warfare in the Tiwanaku State  
 11:00 Catherine Bencic and JoEllen Burkholder—Hunting the Tiwanaku: Evidence for Projectile Technology in the Tiwanaku Core Region  
 11:15 Bruce Owen—Bows and Spearthrowers in Southern Peru and Northern Chile: Evidence, Dating, and Why it Matters  
 11:30 Jennifer Sarnovsky and David L. Browman—The Impact of the Bow and Arrow on Middle Horizon Politics in the Andes

[94] General Session ■ **Subsistence and Settlement in Western North America**  
 Room: 612 (CC)

Chair: Dana Lepofsky and Doug Brown

Participants:

- 8:00 Ariane Oberling Pinson and Barbara J. McKay—Landscape Heterogeneity and Subsistence during the Early Holocene in the Northern Great Basin, USA  
 8:15 James A. Carter and D. Craig Young—Landscape Change and Adaptive Stability in the Northwestern Great Basin  
 8:30 Sunday Eiselt, Ruth Greenspan and Robert Bear—At the Water's Edge: Fishing Practices and Gear Selectivity in the Prehistoric Northern Great Basin as Evidenced by Archaeological Fish Remains and Modern Fishing Experiments  
 8:45 Bryan Hockett—Taphonomy and Paleobiogeography of the Pintwater Cave Fauna  
 9:00 David Hunt and Susan Stratton—Bedrock Mortars as an Indicator of Late Holocene Subsistence Mobility: A GIS Approach  
 9:15 Laura Jones, Julia Hammett and Elizabeth Burson—Diet, Diversity and Development in Central California: The 3-D Approach to Evaluating Prehistoric Resource Intensification  
 9:30 Carl Heron, Rachel Hinds, Rebecca Stacey and Mark Sutton—Staying Sweet in Death Valley: Identification and Source Origin of Sugars Surviving on Basketry Fragments from Breakfast Canyon Rockshelter, Death Valley, USA  
 9:45 Break  
 10:00 Loren G. Davis—Human Adaptation in Paleohydrological Environments of Western North America: New Directions in Geoarchaeological Research  
 10:15 Timothy W. Canaday—Results of Great Basin Alpine Surveys  
 10:30 Beth Walton—A Re-Evaluation of Upland Use of the Northern Oregon Cascades  
 10:45 Robert R. Mierendorf—Modeling Prehistoric Forager Use of Alpine Tundra Zones of the Northern Cascades Range, Pacific Northwest

- 11:00 Cheryl A. Mack and Richard McClure—*Vaccinium* Processing in the Washington Cascades: Ecology, Feature Structure and Distribution  
 11:15 Sue Montgomery and Tanja Hoffman—Collaborative Studies in Traditional Land Use and Archaeological Predictive Modelling in Lil'wat Traditional Territory, British Columbia

[95] General Session ■ **Paleolithic Archaeology**

Room: 608 (CC)

Chair: April Nowell

Participants:

- 8:00 April Nowell and Francesco d'Errico—The Origin of Symbolism in the Near East: A New Microscopic Analysis of the Berekhat Ram Figurine  
 8:15 Marcel Otte—The Movius Line: Asian-African Lower Palaeolithic "Traditions"  
 8:30 Michael Noll—Acheulean Lithic Assemblage Variability at Olorgesailie, Kenya: Application of G. L. Isaac's Method of Residuals  
 8:45 Claude N. Warren—Empirical Evidence for Human Antiquity: The Brixham Cave Data  
 9:00 Michael S. Bisson—Evidence of Behavioral Differences between Neanderthals and Anatomically Modern Homo Sapiens in the Middle Paleolithic of Israel  
 9:15 Nuno Ferreira Bicho—Post-holes and Wind-breaks: Middle Paleolithic Habitat Structures in the Portuguese Tagus Valley  
 9:30 Colin Moyer—Multivariate Statistics and Theory Evaluation: The Structure of Lithic Variability in the Middle Palaeolithic of Western Europe  
 9:45 Break  
 10:00 Marie-Blanche Roudaut-Mishoe—Patterns of Human Occupation: An Analysis of Selected Middle Palaeolithic Rockshelters  
 10:15 Maureen A. Hays and Geraldine Lucas—A Technological and Functional Analysis of Carinates from La Flageolet I (Dordogne, France)  
 10:30 Paul Thacker—What's Missing Here? Chainca and the Portuguese Aurignacian  
 10:45 Joao Zilhao—The Upper Paleolithic Settlement of Interior Iberia: Rock Art and Archaeology in the Coa Valley (Portugal)  
 11:00 Anne Pike-Tay, Victoria Cabrera Valdes and Federico Bernaldo de Quiros—Seasonal and Economic Variations at El Castillo, Cueva Morin, and El Pendo during the Middle-Upper Palaeolithic Transition in Cantabrian Spain  
 11:15 Olga Soffer, James M. Adovasio, David C. Hyland and B. Klima—Perishable Industries from Dolni Vestonice: New Insights into the Origin of the Gravettian  
 11:30 Jonathan A. Haws—New Evidence of Subsistence and Settlement during the Tardiglacial of Central Portugal  
 11:45 Dixie West—Epigravettian Hunting Strategy and Animal Use in the Middle Danube

[96] General Session ■ **Archaeological Methods**

Room: 603 (CC)

Chair: James Burton

Participants:

- 8:00 Dean Goodman, Yasushi Nishimura, Masaaki Okita, Yasumichi Hongo and Yukio Maehata—Comparison of Excavations and Ground Penetrating Radar  
 8:15 Nancy L. Benco and M. James Blackman—Chemical Homogeneity and the Standardization Hypothesis  
 8:30 Elizabeth Miksa—A Ceramic Petrology Model for the Characterization of Temper Provenance  
 8:45 Haining Wang and Prudence M. Rice—Early Kilns and the Emergence of the Dragon-Horseshoe Kiln Tradition in China  
 9:00 Debora Kligmann and Astolfo Araujo—Experimental Sites and Natural Formation Processes: Two Case Studies  
 9:15 Anthony Martinez—Estimating Point-Pattern Structure from a Regular Grid Lattice: Spatial Analysis of Le Trou Magrite

[97] General Session ■ **South America—Amazon Basin**

Room: 204 (CC)

Chair: James B. Petersen

Participants:

- 8:00 Klaus Hilbert—Ocupacao Pre-Ceramica na Amazonia Brasileira  
 8:15 Augusto Oyuela-Caycedo—Re-Evaluation of the Formation Processes of Amazonian Black Soils and its Significance to Intensive Agricultural Systems  
 8:30 P. P. Gunzburger—Analysis of Ancient DNA in Brazilian Pre-Historical Samples  
 8:45 Eduardo G. Neves and Robert N. Bartone—Preliminary Results of an Archaeological Survey in the Central Amazon  
 9:00 Paulo A. D. De Blasis—Moundbuilding in Shellmounds in Santa Catarina, Brazil  
 9:15 Michael J. Heckenberger and James B. Petersen—Getting Our House in Order: Regional Chronology and Research Strategies in the Central Amazon  
 9:30 Erika Marion Robrahn Gonzalez—Social and Economic Organization in West Central Brazil: A Household Perspective

[98] General Session ■ **Caribbean Archaeology**

Room: 602 (CC)

Chair: L. Antonio Curet

Participants:

- 10:15 L. Antonio Curet—Rules of Succession vs Rules of Descent in Stratified Societies  
 10:30 John G. Crock—Chieftdom Development in the Eastern Caribbean: Investigating the Emergence of Complexity in Prehistoric Anguilla  
 10:45 Joanna Ostapkowicz—Taino Duho: Styles, Distribution and Context

[99] General Session ■ **Mesoamerica: Culture History**

Room: 201 (CC)

Chair: Michael E. Smith

Participants:

- 10:00 Eugenia Robinson, Dorothy Freidel and Patricia Farrell—The Culture and Environment at Urias, an Early and Middle Preclassic Site in the Guatemala Highlands  
 10:15 Roman Pina Chan and Ivan Rivera Guzman—Investigaciones arqueologicas en la Mixteca Baja, Oaxaca  
 10:30 Blanca Paredes—Caracteristicas de asentamientos del periodo Epiclasico en la antigua ciudad de Tula  
 10:45 Yoko Sugiura—Life on an Artificial Island in Chignahuapan Marsh Santa Cruz Atizapan, State of Mexico, Mexico  
 11:00 Patricio Davila—The Epiclassic in Northeast Mexico

[100] Forum ■ **Washington Politics and Archaeology: How It Really Works**  
 (Sponsored by SAA Government Affairs Committee)

Room: 604 (CC)

Time: 9:00–11:00

Organizers: Donald F. Craib and Judith A. Bense

Moderator: Judith A. Bense

Participants: Donald F. Craib; Jim Goold; Tamar Osterman; Vincas Steponaitis

[101] Workshop ■ **Radiocarbon ( $^{14}\text{C}$ ) and Carbon Stable-Isotope (del  $^{13}\text{C}$ ) Analyses for Geoarchaeology: Introduction through Advanced Techniques**

Room: East Room A (SS)

Time: 8:00–5:00

Instructor: S. Christopher Caran

## FRIDAY AFTERNOON, MARCH 27, 1998

## [102] Poster Session ■ Environment and Subsistence

Room: 6A (CC)

Time: 1:00-5:00

## Participants:

- 102a Patrick M. Lubinski—A Comparison of Methods for Evaluating Ungulate Mortality Distributions
- 102b Diane Gifford-Gonzalez—Monitoring Molar Crown Height Attrition in a Known-Age Bison Sample
- 102c Christopher O'Brien—Molar Crown Heights and Dental Increments: Assessing the Differences
- 102d Joseph M. Herbert and Laurie C. Steponaitis—Estimating Seasonality with Oyster Shells (*C. virginica*) from the Chesapeake Bay
- 102e Virginia L. Butler and Nancy J. Bowers—Ancient DNA from Salmon Bone: A Preliminary Study
- 102f Aubrey Cannon—Core and Auger Sampling of Shell Middens on the Central Coast of British Columbia
- 102g Lisa Nagaoka—Resource Depletion, Extinction, and Subsistence Change in Southern New Zealand
- 102h April A. Swennes, Weston D. Griffiths and John P. Staech—Human/Animal Interactions in Northeastern Iowa: A View from the Highlands
- 102i Scott M. Grammer, Robert H. Tykot, Julieta G. Otero and Juan B. Belardi—Isotopic Evidence for Reconstructing Prehistoric Subsistence Patterns in Northern-Central Patagonian Coast, Argentina
- 102j Russell Greaves—Resource Use Areas and Campsites of Savanna Foragers of Venezuela
- 102k Rebecca Procter—Mesquite as a Prehistoric Resource in the Rolling Plains: Comparative Evidence
- 102l Everett Bassett—Catch 22: The Storage and Production of Maize
- 102m Fusun Ertug-Yaras—Ethnoarchaeology of Plant Gathering in Turkey

## [103] Poster Session ■ Lithic Analysis

Room: 6A (CC)

Time: 1:00-5:00

## Participants:

- 103a Robert Musil and Brian O'Neill—Obsidian Procurement and Distribution in the Umpqua Basin of Southwest Oregon
- 103b John K. Millhauser and Michael D. Glascock—Obsidian Exchange in Epiclassic Northwest Mexico: Analysis of Obsidian from the La Quemada Area, Zacatecas, Mexico
- 103c Margaret C. Brewer and Philip C. La Porta—Geological Catchments for Lithic Provenance Research: Case Studies from Eastern North America
- 103d Douglas H. MacDonald, Matthew J. Root, and Alice M. Emerson—Bright Lights and Refitting: Understanding Folsom Social Aggregation via Ultraviolet Florescence, Minimum Nodule Analysis, Lithic Refitting and Use-Wear Analysis
- 103e Arleen Garcia—Ground Stone Artifacts Associated with Paleoindian Sites: The Lindenmeier Folsom Site, a Case Study
- 103f Scott J. Troy and Bret J. Ruby—A Comparative Analysis of Hopewellian Prepared Core and Blade Industries in South-Central Ohio

## [104] Poster Session ■ Method and Theory

Room: 6A (CC)

Time: 1:00-5:00

## Participants:

- 104a Mark R. Schurr—Fluoride Dating of Faunal Materials: A Neglected Tool

- 104b Elizabeth A. Little—Diet and Reservoir Age: The Effect of Seafood on the Radiocarbon Age of a Cape Codder of about A.D.800
- 104c David Rhode—Effects of Surface Temperature and Humidity Variation on Obsidian Hydration Rates in Arid Environments
- 104d Christine A. Prior—A New Method in the Preparation of Pollen for AMS Radiocarbon Dating
- 104e Douglas J. Anderson—A Geochemical Analysis and Characterization Study of Narbona Pass Chert
- 104f Daniel Bush, Robert Dunnell and John Dudgeon—Thermal Analysis of Soil Organic Matter and Carbonates
- 104g Christophe Descantes, Hector Neff, Michael Glascock and William R. Dickinson—Chemical Characterization of Micronesian Ceramics through Neutron Activation Analysis
- 104h Karen L. Crawford—From Monticello to Navan Fort: New Applications of Geophysical Techniques in Archaeology
- 104i D. M. Webster Hansen—The Sky-Borne Witness: The Use of Blimps for Aerial Photography at Archaeological Excavations
- 104j Shirley Schermer, Antoine Mathys and Jeff Berry—Documenting Plowed-Down Mounds by Remote Sensing: Geophysical Survey at the Turkey River Mound Group, Northeast Iowa
- 104k Andrew Martignoni Jr. and William I. Woods—Digital Photography at Cahokia Mounds
- 104l James W. Henderson—Polarized Light Photography: New Window into the Past
- 104m Rob Sternberg and Egon Lass—Archaeological Site Formation Processes and their Effects on Archaeomagnetic Results from Israel
- 104n Shawn L. Penman, Ann F. Ramenofsky, Chris Pierce, David Vaughn and Eden A. Welker—Will the Real San Marcos Pueblo Please Stand Up: An Examination of Bias and Error in Site Maps
- 104o Amber Johnson—Patterns of Cultural Evolution among Intensified Horticultural and Extensified Pastoral Systems
- 104p James Skibo—Determining Pottery Function from Use-alteration Traces: An Example from the American Southwest
- 104q Robert L. Kelly—Ethnoarchaeology of Houses among a Seasonal Foraging Population in Madagascar
- 104r Mark Madsen, Carl Lipo and Michael Cannon—Building Explanations for "Wasteful" Behavior in the Archaeological Record

## [105] Sponsored Symposium ■ Coordinating Information, Coordinating Funding: How Can We Work Together to Educate the Public about Archaeology? (Sponsored by SAA Public Education Committee)

Room: 310 (CC)

Organizer and Chair: Dorothy Schlothauer Krass

## Participants:

- 1:00 Shelley J. Smith—Statewide Archaeology Education Programs and the SAA-Federal Agency Experiment
- 1:15 Beverly Mitchum Chiarulli—Teaching History through Archaeology: The Pennsylvania Pilot Project
- 1:30 Mark Bauml and Marcella Sherfy—In the Beginning: The Montana Ancient Teachings Education Project
- 1:45 Phyllis Mauch Messenger and James E. Myer—The Minnesota Archaeology Education Network and the Impact of the SAA Pilot Project Grant
- 2:00 Lynn Alex, Mark Anderson and Shirley Schermer—A Stratigraphic Profile of Public Archaeology in Iowa
- 2:15 A. Gwynn Henderson and David Pollack—ANTS and Archys: The Kentucky Archaeology Education Network
- 2:30 Carol Ellick—A Sponsor and a Partner: There's More to It than Money

- 2:45 Marilyn Nickels—Discussant  
3:00 Francis McManamon—Discussant

[106] Sponsored Symposium ■ **Interdisciplinary Approaches in Archaeology: Tradition and Prospects** (Sponsored by SAA Student Affairs Committee)

Room: 201 (CC)

Organizer: Jane Eva Baxter

Chair: Gordon F. M. Rakita

Participants:

- 1:00 Sean M. Rafferty—Residue Analysis Identification of Tobacco in Smoking Pipes  
1:15 Jane Baxter and A. Russell Nelson—Of Pots and Populations: Evaluating Archaeological Cultures in the Great Lakes Region  
1:30 Billie J. A. Follensbee—Slaughter of the Innocents? The Evidence for Infant Human Sacrifice among the Gulf Coast Olmec  
1:45 Denise To, E. Christian Wells and John K. Millhauser—An Interdisciplinary Approach to Modeling Sociopolitical Organization in the Prehispanic Malpaso Valley, Zacatecas, Mexico  
2:00 Michelle Woodward—Removing the Static from Archaeological Interpretation: The Use of Dynamic Human Ecology Theories to Interpret Agricultural Activities at the Classic Period Village of Ceren, El Salvador  
2:15 Marcel Harmon—The Potential Role of Daylight in Determining the Location of Multiple Mealing Bins within Prehistoric Southwest Architecture  
2:30 James W. Boyle—Phun with Physics: A Student's Perspective of Geophysical Remote Sensing  
2:45 Break  
3:00 Heather Van Wormer—Too Big for the Lab: Landscapes in Historical Archaeology and Geography  
3:15 Robert Brubaker—Charting the Evolution of a Precolonial Indian Capital: Archaeology, Epigraphy, Travel Literature and the Development of Imperial Vijayanagara  
3:30 Lynda Carroll—Negotiating a Historical Archaeology of the Modern Middle East  
3:45 Jennifer Lundal—A Technological Perspective of Anatolian-Assyrian Exchange Networks  
4:00 John P. Zielinski and Amy E. Day—Traditional Programs and Future Directions: Interdisciplinary Insights into the Future of Classical Archaeology  
4:15 Carla M. Sinopoli—Discussant  
4:30 Robert Tykot—Discussant

[107] Symposium ■ **Stone Age Scandinavia: Recent Advances**

Room: 607 (CC)

Organizer and Chair: T. Douglas Price

Participants:

- 1:00 Bengt Nordquist—Hunters and Gatherers Adaptation to the Coastal Landscape of West-Sweden, during 10,000 to 8000 CAL. BP.  
1:15 Soren Andersen—Holocene Hunter-Gatherer Land Use in Denmark, Data and Trends  
1:30 Anders Fischer—Stone Age "Atlantis": Submerged Settlements and Forests on the Danish Sea Floor  
1:45 Peter Woodman—The Earliest Human Settlement of North Norway and the Kola Peninsula  
2:00 Knut Andreas Bergsvik—Social Dynamics among Sedentary Hunter-Fishers of the Late Stone Age Western Norway  
2:15 Asla Bruen Olsen—The Development of Sedentism among the Late Stone Age Hunter-Fishers in Western Norway: A Regional Model  
2:30 Break

- 2:45 Trond Klungseth Lodoen—Ritual Continuity and Change in the Western Norwegian Late Stone Age  
3:00 Joel Boaz—Interaction between Hunter-Gatherers and Farmers in the Early Neolithic of Eastern Norway  
3:15 Helle Juel Jensen—Use Wear on a Landscape Scale: Some Observations on Flint Sickles, Pollen and Early Danish Agriculture  
3:30 Lisbeth Pedersen—Fishing Practice and Forestry of Stone Age Denmark  
3:45 Michael Stafford—From Forager to Farmer in Flint: Flint Technology and the Prehistoric Transition to Agriculture in Southern Scandinavia  
4:00 T. Douglas Price—Discussant

[108] Symposium ■ **Maya Palaces and Elite Residences**

Room: 615/617 (CC)

Organizer and Chair: Jessica Joyce Christie

Participants:

- 1:00 Diane Chase and Arlen Chase—A Consideration of Classic Maya "Palaces" at Caracol, Belize  
1:15 Loa Traxler—At Court in Copan: Palace Groups of the Early Classic  
1:30 E. Wyllys Andrews—The Growth and Use of a Maya Palace in Group IOL-2, Copan, Honduras  
1:45 Peter D. Harrison—The Palaces of Tikal: A Spectrum in Form and Function  
2:00 Kim Morgan, Arthur Demarest, Claudia Wolley and James Brady—The Political Acquisition of Sacred Geography: The Murcielagos Royal Palace at Dos Pilas  
2:15 Daniela Triadan and Takeshi Inomata—Elite Residential Structures at the Classic Maya Center of Aguateca, Guatemala  
2:30 Break  
2:45 Rodrigo Liendo—Maya Royal Compounds and Political Change  
3:00 Jeff Kowalski—"Palace" Structures in the Northern Maya Lowlands: Possible Functions and Meanings  
3:15 Edward B. Kurjack—Northern Maya Palaces  
3:30 James N. Ambrosino—The Archaeological Deposit Associated with a Palace at Yaxuna, Yucatan: A Cautionary Tale  
3:45 Jessica Joyce Christie—The Tripartite Floorplan in Maya Residences—Symbolic Centering, Ritual Mediating, and Historical Governing

[109] Symposium ■ **A Tonto Basin Perspective on Prehistoric Communities in the American Southwest**

Room: 211 (CC)

Organizer and Chair: Jeffery Clark

Participants:

- 1:00 Jenny Adams—The Ethnicity of Ground Stone Technological Traditions  
1:15 Jane Sliva—Spatial and Temporal Variation in Tonto Basin Flaked Stone Assemblages  
1:30 Sarah Herr and James Heidke—Early Classic Period Ceramic Production and Distribution in the Tonto Basin  
1:45 James Vint—Serving the Needs of the Salado Compound: Variation in Use and Capacity of Early Classic Ceramic Containers  
2:00 Arthur Vokes and J. Homer Thiel—Personal Ornamentation from Mortuary Contexts  
2:15 Penny Dufoe Minturn and Lorrie Lincoln-Babb—Life and Death among the Salado of the Tonto Basin  
2:30 Lisa W. Huckell, Suzanne K. Fish and Jennifer A. Waters—Do You Want Agave with That? 2,000 Years of Making a Living in the Tonto Basin, East-Central Arizona  
2:45 Break

- 3:00 Jeffery Clark—Domestic Architecture as Cultural Footprint: Continuity and Change in Tonto Basin Household Composition  
 3:15 Owen Lindauer—A Reassessment of Mounds in the Tonto Basin  
 3:30 Stephen Germick and Joseph Cray—Settlement System Dynamics at the Armer Complex  
 3:45 J. Scott Wood—Irrigation Districts: An Organizational Heuristic for Tonto Basin Settlement Patterns?  
 4:00 Dave Gregory—Form and Variation in Tonto Basin Settlement Patterns  
 4:15 Ben Nelson—Discussant  
 4:30 Paul Fish—Discussant

[110] Symposium ■ **Woodland Period Site Diversity: Expanding Notions of Northeast Economies**

Room: 604 (CC)

Organizers and Chairs: Elizabeth S. Chilton and Susan J. Bender

Participants:

- 1:00 Nina Versaggi—Meadowood Phase Diversity in the Northeast  
 1:15 Susan Bender—Woodland Settlement Diversity in the Upper Hudson Valley  
 1:30 Edward V. Curtin—Cultural Variation During the Late Woodland Period in Eastern New York State  
 1:45 Susan C. Prezzano—Diversity in Ceramic and Community Patterns in the Upper Susquehanna Drainage During the Late Woodland Period  
 2:00 David George—The Woodland Period of the Lower Connecticut River Valley: Recognizing Diversity in Cultural Adaptations  
 2:15 Elizabeth S. Chilton—Economic Diversity in Late Prehistoric New England: A View from the Interior  
 2:30 Jordan Kerber—Interpreting Structure and Function of Shellfish Deposits of the Woodland Period in Southern New England: Inter-Relationships between Subsistence and Ceremonialism  
 2:45 Frederick J. Dunford—Woodland Period Shell Midden Diversity on Cape Cod Massachusetts: Politics, Ritual and Daily Life  
 3:00 Barbara Luedtke—Discussant  
 3:15 Dena F. Dincauze—Discussant

[111] Symposium ■ **Interdisciplinary Studies of the European Palaeolithic**

Room: 613/614 (CC)

Organizer and Chair: Wil Roebroeks

Participants:

- 1:00 Wil Roebroeks—Introduction  
 1:15 Raymond Corbey—Conceptualizing Early Hominid Behavior  
 1:30 David Van Reybrouck—From Primitives to Primates: The History of Models for Early Hominids  
 1:45 Thijs van Kolfschoten—Age and Environments of the Earliest Hominids in Europe  
 2:00 Kier van Gijssel—Palaeolithic Sites and the Middle Pleistocene Stratigraphy of Northwest and Central Europe  
 2:15 Jan Kolen—Early Humans and their Spatial Organization—the Middle Pleistocene Evidence from Northern Europe  
 2:30 Hans Kamermans and Eelco Rensink—Studying Stone Artifact Distributions: A Case-Study from the Dutch Mountains  
 2:45 Dimitri DeLoecker—On the Interpretation of Early Middle Palaeolithic Artifact Distributions at Maastricht-Belvedere (The Netherlands)  
 3:00 Barbara Speelers—Last Interglacial Human Occupation of Northwestern Europe  
 3:15 Alexander Verpoorte—Interpreting Venus-Figurines of the Pavlovian  
 3:30 Clive Gamble—Discussant

[112] Symposium ■ **Prehistoric Underwater Archaeology 1998**

Room: 608 (CC)

Organizers and Chairs: Brinnen Carter and Michael Faught

Participants:

- 1:00 Nic C. Flemming—Submerged Prehistoric Sites of the Mediterranean Region and Africa  
 1:15 Daniel Jean Stanley—Israel's Coastal-to-Submerged Archaeological Sites: A Need to Re-Evaluate Apparent Neotectonic and Sea-Level Anomalies  
 1:30 Marek Jasinski—Submerged Prehistoric Sites on the Atlantic coast of Norway: Research and Potentials  
 1:45 Ervan Garrison and Sherri Littman—Geoarchaeology of Gray's Reef National Marine Sanctuary, South Atlantic Bight  
 2:00 Christopher F. Amer—Underwater Investigation at the Rembert Mound Complex (9EB1), Georgia  
 2:15 Brinnen Carter—The Late Pleistocene Component of the Page/Ladson Site, North Florida: Chronology and Regional Integration  
 2:30 Mark Muniz—Investigations at Little River Rapids (8Je603): A Prehistoric Inundated Site Chronicling the Pleistocene/Holocene Transition in North Florida  
 2:45 Michael K. Faught—Evidence for Late Paleoindian and Early Archaic Activities at J and J Hunt: A Submerged Prehistoric Site in the Apalachee Bay of NW Florida  
 3:00 Break  
 3:15 Melanie Stright—Spatial Data Analysis of Artifacts Redeposited by Coastal Erosion: A Case Study of McFaddin Beach, Texas  
 3:30 Heather McKillop—Ancient Maya Economic Specialization of Salt Production Revealed by Underwater Excavations, South-Coastal Belize  
 3:45 N. Alexander Easton—The Principle of the Reverse Littoral Sequence in Identifying Inundated Coastal Sites: Evidence from the Montague Harbour Fauna Remains  
 4:00 Peter M. Bowers and Owen Mason—Intertidal Archaeology on the Northern Northwest Coast: A Late Holocene Microblade Site from Southeast Alaska  
 4:15 Dennis Blanton—Discussant

[113] Symposium ■ **Terminal Pleistocene/Early Holocene Maritime Adaptations along the Pacific Coast of the Americas**

Room: 618/619 (CC)

Organizers: Daniel H. Sandweiss and James B. Richardson III

Chair: James B. Richardson III and Daniel H. Sandweiss

Participants:

- 1:00 E. James Dixon—Late Pleistocene Marine Adaptation on the Northwest Coast of North America  
 1:15 Roy L. Carlson—Early Maritime Adaptation on the Coast of British Columbia  
 1:30 Richard Fitzgerald and Terry Jones—Coastal Lifeways During the Pleistocene-Holocene Interface: A New Perspective from Central California  
 1:45 Jon Erlandson—Paleocoastal Occupations of Daisy Cave, San Miguel Island, California  
 2:00 Barbara Voorhies—Maritime Adaptations During the Terminal Pleistocene along the Pacific Coast of Mesoamerica  
 2:15 Richard Cooke—Neotropical Tidal Estuaries and Precolumbian Society: The View from Parita Bay, Panama  
 2:30 Break  
 2:45 Karen Stothert—An Early Holocene Maritime Adaptation in Southwest Ecuador: New Perspectives on the Las Vegas Evidence  
 3:00 James B. Richardson III—Looking in the Right Places: Pre-5000 B.P. Maritime Adaptations in Peru and the Changing Coastline  
 3:15 Daniel H. Sandweiss—Quebrada Jaguay: Early Maritime Adaptations in South America

- 3:30 Susan deFrance, Michael Moseley and David Keefer—An Early Maritime Adaptation on the Southern Coast of Peru: Preliminary Results from Tacahuay Quebrada
- 3:45 Calogero M. Santoro, Vivien G. Standen and Bernardo T. Arriaza—Early Maritime Occupation in Northernmost Chile
- 4:00 David Sanger—Discussant
- 4:15 Thomas F. Lynch—Discussant

[114] Symposium ■ **The Stone Quarry: Organization and Variability**  
Room: 605/610 (CC)

Organizers: Thomas Barrett and Michael Petraglia

Chair: Thomas Barrett

Participants:

- 1:00 Thomas P. Barrett—An Introduction to Quarry Research
- 1:15 Rick Potts and Mike Noll—The Oldest Excavated Quarry Site: Olorgesailie, Kenya
- 1:30 Philip C. La Porta and Michael D. Petraglia—Geological Controls on Acheulian Quarries and Artifact Forms
- 1:45 Jian Leng and Charles Shannon—A New Approach to the Analysis of Five Early Paleolithic Tool Assemblages in China
- 2:00 Harold Dibble and Barbara Roth—Raw Material Procurement and Transport in the Middle Paleolithic
- 2:15 Charles Reher—Western Plains Quarries: Past Problems, Current Research, and Future Directions
- 2:30 Break
- 2:45 Steve Tomka—Lithic Raw Material Procurement at a Landscape-Scale: The Influence of Biotic and Abiotic Resource Structure
- 3:00 Robert H. Cobean—Two Examples of Investigating Obsidian Source Systems in a Regional Context: Pico de Orizaba (Veracruz-Puebla) and the Sierra de Pachuca, Hidalgo
- 3:15 Alejandro Pastrana—Types of Sources and Types of Societies: Mesoamerican Obsidian
- 3:30 Michael D. Glascock, J. Andrew Darling and Phil C. Weigand—Geochemical Indices of the Social Organization of Obsidian Raw Material Acquisition in West Mexico
- 3:45 Linda Sohl and Philip C. La Porta—Models for Quarry Development in a Prehistoric Mining District
- 4:00 Tom Hester—Discussant

[115] Symposium ■ **Local Responses to Imperialism: Results of the Yauatepec Project**

Room: 304 (CC)

Organizers: Lisa Montiel and Timothy Hare

Chair: Michael E. Smith

Participants:

- 1:00 Michael E. Smith—Households, Communities, and Empires in Central Mexico: The Yauatepec Archaeological Project
- 1:15 Lisa Montiel—On the Border of the Teotihuacan Empire: Archaeological Investigations in the Yauatepec Valley, Mexico
- 1:30 Timothy Hare—Changing Political Boundaries in the Periphery of the Aztec Empire
- 1:45 Kori Kaufman—Offsite Archaeology in the Yauatepec Valley, Morelos, Mexico
- 2:00 Jan Olson—Power Tools: A Socioeconomic Analysis of the Late Postclassic Chipped Stone Assemblage at Yauatepec, Morelos
- 2:15 Joshua Hatton—Ground Stone from Domestic Contexts within the Urban Center of the Yauatepec City-State
- 2:30 Geoffrey Purcell—Petrographic Patterning in Comal and Guinda Pottery in the

- Aztec Postclassic Period in the Yauatepec Valley, Morelos
- 2:45 Jennifer Pinson—Plaster Production and Social Class in Two Late Postclassic Aztec Sites
- 3:00 Ruth Fauman-Fichman—Untangling the Threads of Technology, Economy and Culture in Tlahaica Cotton Thread Production
- 3:15 Deborah L. Nichols—Discussant
- 3:30 Frances Berdan—Discussant

[116] Symposium ■ **Interaction Spheres and Influences: Towards a Definition of Late Formative Interregional Networks and Ideologies**

Room: 609 (CC)

Organizers: Heather Orr and Julia Kappelman

Chair: Julia Kappelman

Participants:

- 1:00 F. Kent Reilly—The Middle Formative Ceremonial Complex and the Rio Balsas Frontier
- 1:15 Arthur Joyce—Sacrificial Power in Late Formative Oaxaca
- 1:30 Julia Guernsey Kappelman—Shared Symbol Systems of Rulership During the Late Preclassic
- 1:45 Heather Orr—"Olmec" Iconography and the Rise to Statehood in the Middle-Late Formative Valley of Oaxaca
- 2:00 M. Kathryn Brown and James F. Garber—The Origin and Function of Late Preclassic Mask Facades in the Maya Lowlands
- 2:15 John Clark—The Problematic Evolution of Maya Lords
- 2:30 David Freidel—The Late Formative Maya Lowlands, Internal and External Relations
- 2:45 Arthur Demarest—Discussant

[117] Symposium ■ **Patterns of Interaction: Investigations within the Southern Cascades along the California-Oregon Border**

Room: 620 (CC)

Organizer and Chair: Joanne Mack

Participants:

- 1:00 Donn Todt—Landscape Archaeology: A Case Study Exploring the Interface between Landscape Ecology, Ethnobotany, and Archaeology
- 1:15 Susan Gleason—*Ipos* Interactions—*Perideridia* within the Upper Klamath River Canyon Area
- 1:30 Christopher Schaefer—Distribution Patterns of Culturally Modified Obsidian within the Upper Klamath River
- 1:45 Albert Oetting—Above It All: Archaeological Investigations on the Rim of Upper Klamath River Canyon
- 2:00 Joanne Mack—Siskiyou Utility Ware: Evidence for a Southern Cascade Interaction Sphere
- 2:15 Kevin Bartoy—A New Old Look at an Old New Question: Ethnicity, Fluidity and the Klamath River Canyon
- 2:30 Mary Carpelan—Cultural Resources Management: A Native American Viewpoint
- 2:45 Richard E. Hughes—Discussant

[118] Symposium ■ **A River Runs through It: Current Research Advances in Northern Rio Grande Prehistory**

Room: 612 (CC)

Organizers and Chairs: Elizabeth Mozzillo and Samantha Ruscavage-Barz

Participants:

- 1:00 Michael Adler—Contemplating a Melted Pueblo: Four Decades of Research at Pot Creek Pueblo, New Mexico
- 1:15 Eric Blinman—Turning Anasazi Pottery Outside-In: Construction Techniques and Immigration in the Rio Grande Valley

- 1:30 C. Dean Wilson—A Ceramic Re-evaluation of Early Rio Grande and San Juan Basin Interaction
- 1:45 Samantha Ruscavage-Barz—Social Reorganization and Symbolic Manipulation in the Northern Rio Grande, New Mexico: A Perspective from Ceramic Design Style and Composition
- 2:00 Judith A. Habicht-Mauche—The Production and Exchange of Rio Grande Glaze-Painted Pottery: New Approaches to Old Questions
- 2:15 Michelle Ensey—The Last 1000 Years: Environments of the Jemez Mountains, New Mexico
- 2:30 Michael Elliott—Coalition Period Adaptations on the Southern Jemez Plateau
- 2:45 Robert P. Powers—Immigration, Competition and Settlement Aggregation on the Pajarito Plateau
- 3:00 Break
- 3:15 Elizabeth O. Mozzillo—Bigger Isn't Always Better: Changing Residence Strategies on the Pajarito Plateau
- 3:30 Joseph Cunningham—GIS Generated Site Catchment Analysis for Early and Late Coalition Sites in Bandelier National Monument, N.M.
- 3:45 Rachel Smith—Recessed Walls and Southern Exposure: Remodeling Kivas on the Pajarito Plateau
- 4:00 Douglas Harro—Patterns of Lithic Raw Material Procurement on the Pajarito Plateau, New Mexico
- 4:15 Timothy A. Kohler—Discussant
- 4:30 Robert Preucel—Discussant

[119] Symposium ■ Peoples of the Papagueria and Adjoining Regions

Room: 611 (CC)

Organizers: Mark C. Slaughter and Adrienne Rankin

Chair: Mark C. Slaughter

Participants:

- 1:00 Richard Ahlstrom and Heidi Roberts—A Settlement History for the Western Papagueria
- 1:15 James Bayman—Reservoirs and Regional Economy in the Papagueria
- 1:30 Adrienne Rankin—Between the Desert and the Sea: Archaeological Research in Organ Pipe Cactus National Monument
- 1:45 John Carpenter, Elisa Villalpando and Guadalupe Sanchez—Prehispanic Cultural Dynamics in Northwestern Sonora, Mexico
- 2:00 David E. Doyel—Foundation's Edge: Regional Interaction along the Lower Gila River, Arizona
- 2:15 Mark C. Slaughter, David Tucker and Jerry Lyon—Subsistence and Trade in the Western Papagueria: A View from the Growler Valley
- 2:30 Break
- 2:45 David Tucker and Arthur Vokes—Patterns and Scope of Shell Exchange in the Western Papagueria
- 3:00 Joan S. Schneider—The View from Ground-Stone Quarry and Production Sites in the Lower Colorado—Lower Gila River Region: Land Use, Trade, and Demography in the Papagueria
- 3:15 J. Simon Bruder and Victoria Vargas—The Mobak Site: Investigating Cultural Traditions and Adaptive Strategies of the Northern Papagueria
- 3:30 Lorraine Marquez Eiler and Lehua Lopez—The Extinct Tribe in the Sonoran Desert
- 3:45 Jeffrey H. Altschul—Discussant
- 4:00 W. Bruce Masse—Discussant

[120] Symposium ■ Archaeological Survey for the Next Century II: New Perspectives on Field Methods and Quality Control

Room: 307/308 (CC)

Organizers: James A. Zeidler and Clark A. Dobbs

Chair: James A. Zeidler

Participants:

- 1:00 Dwight Read—Archaeological Surveys: A Problem of Efficacy and Representativeness
- 1:15 Kent G. Lightfoot—Surface Pedestrian Surveys: A Consideration of their Effectiveness
- 1:30 Clark A. Dobbs—The Structure of Archaeological Sites and the Role of Shovel Testing in Archaeological Survey Design
- 1:45 Cheryl Huckerby—Survey Documentation Guidelines for Effective Cultural Resource Management
- 2:00 Nicholas Trierweiler—Quick and Dirty or Nitty-Gritty? Geomorphology as an Aggressive Strategy for Site Discovery and Evaluation
- 2:15 John Montgomery, Phillip Shelley and Stephen Durand—Integrative Survey Methods and Techniques: A Southern Plains Example
- 2:30 George Holley—The Benefits of Time: An Evaluation of Surveys in a Large Mitigation Project
- 2:45 John P. McCarthy—Survey in the City: Identifying and Evaluating Urban Archaeological Resources
- 3:00 Dale Henning—Discussant
- 3:15 Jack Nance—Discussant
- 3:30 William Lipe—Discussant

[121] General Session ■ Ritual and Social Organization in the Southwest

Room: 606 (CC)

Chair: James Potter

Participants:

- 1:00 Jennifer A. Brady and Tiffany C. Clark—Evaluating Social Conformity in the Classic Mimbres: A Perspective from the Eastern Mimbres Region
- 1:15 Susan Stinson—Witchcraft, Figurines, and Social Inequality at the Hohokam Site of Snaketown in Southern Arizona
- 1:30 Paul F. Reed—The Tocito Community: Anasazi Settlement along the Chuska Slope, Two Grey Hills, New Mexico
- 1:45 Mara Hill—Sociocultural Implications of Architectural and Mortuary Practices at the Swarts Ruin, New Mexico
- 2:00 Jennifer G. Strand—Changing Social Relations: The Ritual Fauna from the Homolovi Pueblos, Arizona
- 2:15 Gregson Schachner—Pueblo I Ritual Organization and Change in the Northern San Juan Region
- 2:30 Larry L. Baker and Kurt T. Mantonya—New Evidence for the Relationship of Archaeoastronomy to Chaco Anasazi Sociopolitical Complexity
- 2:45 Paul Campbell—Ritual Acts and a Life History Approach: A Reinterpretation of Aztec Ruin
- 3:00 Vincent M. LaMotta—Life Histories of Mortuary Artifacts from the Prehistoric Southwest: Ethnographic and Ethnoarchaeological Perspectives

[122] General Session ■ Archaeology of the Andes

Room: 204 (CC)

Chair: Tamara L. Bray

Participants:

- 1:00 Leon Doyon—Mortuary Transpositions as Evidence of Cosmology: Interpretation of North Andean Shaft Tomb Architecture and Grave Goods
- 1:15 Alexei Vranich—Investigations on the Temple of Pumapunku, Tiwanaku, Bolivia
- 1:30 JoEllen Burkholder—Life and Death Situations: Sex and Status in Tiwanaku Burials from Iwawi

- 1:45 Tamara L. Bray—Rock Art, Historical Memory, and Ethnic Boundaries: A Study from the Northern Andes
- 2:00 Mary Glowacki and Julinho Zapata—The Wari Site Complex of Huarco: Recent Archaeological Investigations in Cuzco, Peru
- 2:15 Melissa Chatfield—Ceramics from the Site of Choepukio, Cuzco, Peru
- 2:30 David O. Brown—San Agustín de Callo: An Inka Outpost on the Northern Frontier
- 2:45 Axel E. Nielsen and William H. Walker—Ritual Conquest and Political Domination in the Inka Empire: A Case Study from Quebrada de Humahuaca

[123] General Session ■ **Archaeology of Southeastern North America**

Room: 602 (CC)

Chair: Jan Simek

Participants:

- 1:00 Carl Kuttruff, Michael J. O'Brien and R. Lee Lyman—The 1933 Setzler and Ford Excavations at the Marksville Site: Mound Excavations and the Archaeology of Yellowed Paper and Silver Gelatin Prints
- 1:15 Connie Nobles—"Presence through Absence" and Acts of Exclusion
- 1:30 Diana Zaragoza—The Huastec and Mississippian Traditions: A Link from the Past
- 1:45 Lawrence E. Abbott and Michael A. Harmon—The Acquisition of Siliceous Raw Materials from the Carolina Slate Belt: Intentional or Fortuitous Lithic Procurement within the South Central Piedmont of North Carolina?
- \* 2:00 Karen J. Walker—Misinterpreted Precolumbian Fishing Technologies: A Case Study from Coastal Southwest Florida
- 2:15 Rita Carroll—Identification of Mortuary Patterning at the Upper Nodena Site: An Empirical Analysis of Nodena Phase Variables
- 2:30 Molly Strode and Michael O'Brien—Turner and Snodgrass Ceramics: Intrasite Distribution and Comparison between Sites
- 2:45 Eric Gilliland and Michael O'Brien—Variation in Stone Tools from Turner and Snodgrass, Southeastern Missouri
- 3:00 Janet Rafferty—Tracking Changes in Pottery Temper through Late Prehistory in the Tombigbee Valley
- 3:15 Jeffery Hanson and Kimberly Kvernes—Upper Trinity Prehistory in North Central Texas: Subsistence and Settlement Considerations as Viewed from the Fountain Site (41TR136)

[124] General Session ■ **Mesoamerica: Environment and Agriculture**

Room: 603 (CC)

Chair: K. Anne Pyburn

Participants:

- \* 1:00 Lynette Norr—Early Ceramic Coastal Occupations: An Adaptive Perspective from the American Tropics
- 1:15 Bruce Benz—Agriculture Selection of Maize at 3500 B.C. in Tehuacan
- 1:30 Lewis C. "Skip" Messenger—"Paleo-Environmental Impact Assessment": Some Perspectives on Paleoclimatology with Respect to Ancient Maya Studies
- \* 1:45 Kevin Pope, Mary Pohl, Christopher von Nagy, Francisco Vega and David Lent—A 6,000-Year Sequence of Environmental and Cultural Change along the Gulf Coast of Tabasco, Mexico
- 2:00 John G. Jones, Mary Pohl, Kevin Pope and Carolyn Rose—Pollen Evidence of Past Subsistence and Paleoenvironment of the La Venta Area
- 2:15 David Rue—Charcoal Fragments and Maize Pollen Evidence for Early Farming in the Copan Valley, Honduras
- 2:30 Jeffrey Baker—Formation Processes and Wetland Agriculture in Northern Belize
- 2:45 Vilma Fialko, William Folan, Joel Gunn and Maria Del Rosario Dominguez—Land Use in the Peten Region of Guatemala and Mexico
- 3:00 Lisa Lucero and Scott Fedick—Mosaic Soils, Mosaic Landscape: Ancient Maya Settlement in the Valley of Peace, Belize

[125] Forum ■ **Evolutionary Theory in Oceania: Applications to the Archaeological, Linguistic and Ethnohistorical Records**

Room: 303 (CC)

Time: 1:00–5:00

Organizers and Moderators: Michael W. Graves and Fraser D. Neiman

Participants: C. Kēhaunani Cachola-Abad; Ethan Cochrane; Julie Field; Michael W. Graves; Terry L. Hunt, Carl P. Lipo, Mark E. Madsen; Thegn N. Ladefoged; Jadelyn Moniz; Fraser D. Neiman; Michael Pfeffer

[126] Workshop ■ **Interviews, Press Releases, and Other Media Mysteries**

Room: Juniper (SS)

Time: 1:00–5:00

Organizers: Kerstine Johnson and Andrea Elyse Messer

[127] Workshop ■ **Presenting Archaeology to Adults: Tips for Successful Programs**

Room: West Room B (SS)

Time: 2:00–4:00

Moderator: Mary Kwas

## FRIDAY EVENING, MARCH 27, 1998

[128] Sponsored Forum ■ **NAGPRA: Current Issues and Future Prospects**  
(Sponsored by SAA Committee on Repatriation)

Room: 615/617 (CC)

Time: 6:30–7:25

Moderators: William A. Lovis, Keith W. Kintigh

[129] Plenary Session ■ **Archaeology and Contemporary Environmental Change** (Sponsored by SAA Program Committee) \*

Room: 6E (CC)

Time: 7:30–9:30

Organizer and Chair: Joseph Tainter

Participants:

- 7:30 Joseph Tainter—Introduction
- 7:40 Sander Van Der Leeuw—The Present and the Past in Understanding Environmental Issues
- 8:00 Roderick McIntosh—Two Thousand Plus Years of Niche Specialization in West Africa's Middle Niger
- 8:20 James L. Boone—Two Thousand Years of Land Use in a Mediterranean Landscape: The Lower Alentejo of Portugal
- 8:40 Fekri Hassan—Holocene Droughts, Desertification and Cultural Development in Africa
- 9:00 Donald Hardesty—Industrial Archaeology and the Environment

## SATURDAY MORNING, MARCH 28, 1998

- [130] Sponsored Symposium ■ **Biennial Willey Symposium: Historical Views on American Archaeology's Connections to Europe before World War I** (Sponsored by SAA History of Archaeology Committee)

Room: 613/614 (CC)

Organizers and Chairs: David L. Browman and Stephen Williams

Participants:

- 8:00 David L. Browman and Stephen Williams—Introduction to Symposium  
 8:15 Bruce J. Bourque—The Peabody Museum's Role in Founding Gulf of Maine Archaeology  
 8:30 Harvey M. Bricker—George Grant MacCurdy, a Pioneer of American Palaeoanthropology  
 8:45 David L. Browman—Henry Chapman Mercer and the Influence of European Paleontology  
 9:00 Hilary Chester—Frances Eliza Babbitt, Frederic Ward Putnam, and the "American Paleolithic" Debate  
 9:15 Alice Kehoe—In the Beginning All the World was America: Daniel Wilson's Construction of Prehistoric Archaeology  
 9:30 John E. Kelly—Charles Rau: Formative Developments in St. Louis as Meaning and Direction in the Career of a 19th Century Archaeologist  
 10:00 David Oestreicher—The European Roots of the Walam Olum: Constantine Samuel Rafinesque and the Intellectual Heritage of the Early 19th Century  
 10:15 Stephen Williams—Whence Came the American Indians?—The Tyranny of Sources  
 10:30 Terry A. Barnhart—Discussant  
 10:45 Robert Bettinger—Discussant

- [131] Symposium ■ **Archaeological Applications of Luminescence and Electron Spin Resonance Dating**

Room: 304 (CC)

Organizer and Chair: James Feathers

Participants:

- 8:00 Henry P. Schwarcz and W. Jack Rink—Problems and Prospects in the Application of ESR Dating to Tooth Enamel  
 8:15 Glenn Berger—Humans in Missouri at 40,000 Yrs: Dating and Speculation  
 8:30 David Michael Price—Thermoluminescence Dating in Australia from Lake Mungo to Jinnium and Back  
 8:45 Ludwig Zoeller and Andreas Lang—Luminescence Dating of Palaeolithic Open Air Sites and Archaeosediments: Test Cases from Middle Europe  
 9:00 Anne Skinner, Kristen Hem, Bonnie Blackwell and Henry Schwarcz—Dating the Vertesszolos Site by Electron Spin Resonance  
 9:15 Douglas D. Dykeman, Ronald H. Towner and James K. Feathers—Tree-Ring and Thermoluminescence Dating Techniques: Methods for Confidently Dating Early Navajo Sites  
 9:30 Richard Roberts, Jon Olley, Hiroyuki Yoshida, Rex Galbraith and Geoff Laslett—Optical Dating of Sediments from Jinnium Rock Shelter, Northern Australia  
 9:45 Shin Toyoda, Robert C. Dunnell and Motoji Ikeya—Determination of the Temperature of the Prehistoric Lithic Heat Treatment by Using ESR (Electron Spin Resonance) Signals  
 10:00 Break  
 10:15 Michel Lamothe—Luminescence Dating of Archaeological Events Using Single Mineral Grains Extracted from Sediments  
 10:30 Arthur C. Lucas—The Use of Aluminum Oxide Luminescence Materials for In Situ Dosimetry of Archaeological Sites and Objects  
 10:45 Daniel Bush, James K. Feathers, Graham Avery, Hilary Deacon and Richard

Klein—Luminescence Dating of South African Middle Stone Age Cave Sediments

- 11:00 Robert A. Weeks, J. Michael Elam, James S. Bogard and Christian Davenport—EPR Analysis of Fossil Tooth Enamel: Signal Source and Composition  
 11:15 Daniel Richter, Jack Rink, Henry Schwarcz, Gunther Wagnern and Jurgen Waiblinger—Thermoluminescence Dating of Heated Stone Artifacts and ESR Dating of Middle and Upper Palaeolithic Sites  
 11:30 Kris H. Wilhelmson and Taylor Miles—Thermoluminescence Dating of Catastrophically Heated Projectile Points  
 11:45 James Feathers and Alan Franklin—Reassessment of Luminescence Dating at Katanda

- [132] Symposium ■ **Cresting the Continent: Paleoindian Use of the Rocky Mountains from Canada to Colorado**

Room: 608 (CC)

Organizer and Chair: Bonnie L. Pitblado

Participants:

- 8:00 Margaret (Pegi) A. Jodry—Paleoindians along the Upper Rio Grande: Paleoclimates, Resource Availability, and Travel in the Southern Colorado Rockies  
 8:15 Robert Brunswig—High Altitude Paleoindian Landscape Use and Environmental Change in Late Glacial and Early Holocene Times in Colorado's Rocky Mountains  
 8:30 Scott Elias—Paleoclimatic Reconstruction of the Paleoindian Period in the Rockies  
 8:45 James B. Benedict—Altithermal Survival of a Paleoindian Lithic Tradition above Timberline in the Colorado Front Range  
 9:00 Frederic Sellet—Stone Tools, Mobility and Subsistence: New Insights into the Economic Organization of Early Paleoindians at the Hell Gap Site, Wyoming  
 9:15 Mary Lou Larson—So High So Early: Paleoindian Use of the Lookingbill Site, Wyoming  
 9:30 George Frison—Paleoindian Occupations in the Big Horn Mountains, Wyoming  
 9:45 Break  
 10:00 Bonnie Pitblado—The Post-Folsom Paleoindian Period in the Central Rocky Mountains and Plains: Are We Talking Dichotomous Populations or Not?  
 10:15 Wilfred Husted—Foothill-Mountain Paleoindian: A Historical Perspective  
 10:30 Robson Bonnichsen, Marvin T. Beatty, Mort Turner and Joanne Turner—Punctuated Unilineal Evolution or Co-Traditions? The Mammoth Meadow Case Study  
 10:45 Leslie B. Davis—Later Paleoindian Adaptive Diversity in the Northern and Central Rockies: 9500-9000 B.P.  
 11:00 Stanley Van Dyke—The Welsch Locality: A Late Paleoindian—Early Middle Prehistoric Killsite on the Upper Oldman River in Southwestern Alberta  
 11:15 Donald K. Grayson—Discussant  
 11:30 C. Vance Haynes—Discussant  
 11:45 Dennis Stanford—Discussant

- [133] Symposium ■ **Over Fifty Years of Dam Good Archaeology**

Room: 603 (CC)

Organizers and Chairs: Myra J. Giesen and Jon S. Czaplicki

Participants:

- 8:00 Wm. Joe Simonds—The Bureau of Reclamation—A History  
 8:15 Bob Blasing—Federal Archaeology on Medicine Creek  
 8:30 Van T. Button and Bobbie Ferguson—Bureau of Reclamation Reservoir Salvage Archaeology from 1975 to 1985 in Texas, Oklahoma, and New Mexico: The Palmetto Bend, Choke Canyon, McGee Creek, and Brantley Projects  
 8:45 Alexander Lindsay—The Glen Canyon Project, a Multidisciplinary

- Investigation in the Canyon Lands of the Colorado Plateau during 1956 to 1963  
 9:00 Lynn Teague—The Salt-Gila Aqueduct Project and Hohokam Archaeology  
 9:15 Deborah Hull-Walski, Thomas Thiessen, Myra Giesen and Lynn Snyder—Post-War Partners in Archaeology: The Bureau of Reclamation, the National Park Service, and the River Basin Surveys in the Missouri River Basin (1945–1969)  
 9:30 William D. Lipe—Legacies of the Dolores Archaeological Program, SW Colorado  
 9:45 Warren H. X. Hurley—The Dolores Project: A Retrospective  
 10:00 Break  
 10:15 G. James West—New Melones: Public Interpretation of the Archaeological Record  
 10:30 Kimball Banks, Nancy Pearson, and Myra Giesen—Traditional Cultural Properties and Traditional Cultural Resource Management  
 10:45 Thomas Lincoln—Off the Back Roads and Onto the Super Highway: Reclamation Reports  
 11:00 Edward Friedman and Wm. Joe Simonds—The Bureau of Reclamation and Archaeology: An Overview  
 11:15 Fred Wendorf—Discussant  
 11:30 Frank McManamon—Discussant

[134] Symposium ■ **The Early Woodland before Adena: Recent Research in the Eastern Woodlands**

Room: 604 (CC)

Organizers and Chairs: Eric Voigt and Chris Bergman

Participants:

- 8:00 Eric Voigt—Coco Station: A Stratified Early Woodland Occupation on the Periphery of the Ohio River Drainage  
 8:15 John Doershuk, Christopher Bergman, Ken Duerksen, Donald Miller and Terry Tune—The Early Woodland of the Northern Bluegrass: The West Runway Site, Boone County, Kentucky  
 8:30 Stevan Pullins—Ceramic Technology and Early Woodland Settlement in the Virginia Coastal Plain  
 8:45 James Adovasio, Allen Quinn, Robert Fryman and David Pedler—The Appearance of Cultigens and the Early Woodland Period in Southwestern Pennsylvania: The View from Meadowcroft Rockshelter  
 9:00 Susan Mulholland, James Huber and Eric Voigt—Pollen and Phytolith Evidence of Maize at a Woodland Site in West Virginia  
 9:15 Susan Frankenburg—Archaeologically Informed Radiocarbon Analyses of Early Woodland Ritual Sites in the Upper South  
 9:30 Brad Botwick—Jarmon Point: A Stratified Early Woodland Occupation in the Coastal Plain of North Carolina

[135] Symposium ■ **The Chaco Anasazi Community: Inside Looking Out**

Room: 615/617 (CC)

Organizers and Chairs: John Kantner and Nancy Mahoney

Participants:

- 8:00 James W. Kendrick and W. James Judge—Success and Failure in the Montezuma Valley: A Discussion of the Lowry Community in Southwestern Colorado  
 8:15 Winston Hurst—Chaco Outlier or Wannabe? Comments and Observations on a Provincial Chacoan Great House at Edge of the Cedars Ruin, Utah  
 8:30 Catherine M. Cameron—On the Northern Frontier: Chacoan Archaeology in the San Juan Region  
 8:45 Peter Jalbert—Chacoan Communities in the Northern San Juan Region  
 9:00 Dennis Gilpin—Peach Springs Revisited: Surface Recording and Excavations on the South Chaco Slope, New Mexico  
 9:15 David Purcell—Chaco Anasazi Economy in a Great House Community, Peach

- Springs, New Mexico: The Results of Excavations at Site LA115752 in the Navajo Road 9 Right-of-Way  
 9:30 Ruth Van Dyke—A Chacoan Landscape: The View from the Red Mesa Valley  
 9:45 John Kantner, Nate Bower, Jeffrey Ladwig, Jacob Perlitz, and Steve Hata—Interaction between Chaco Anasazi Communities: An X-ray Fluorescence Trace Element Analysis  
 10:00 Thomas Windes and Rachel Anderson—Sunrise, Sunset: Sedentism and Mobility in the Chaco East Community  
 10:15 Nancy Mahoney—Beyond Bis sa'ani: Rethinking the Scale and Organization of Great House Communities  
 10:30 Stephen H. Lekson—Discussant  
 10:45 Mark Varien—Discussant

[136] Symposium ■ **Life on the River: Investigating Complex Hunter-Gatherers in the Greater Lower Columbia River Region**

Room: 612 (CC)

Organizer and Chair: Kenneth M. Ames

Participants:

- 8:00 Kenneth M. Ames—Chinookan Houses: Production, Society and Architecture  
 8:15 Cameron Smith—Social Organization and Chipped Stone Tool Use-Wear in a Southern Northwest Coast Plankhouse  
 8:30 Gretchen Kaehler—Patterns in Glass: Historic Trade Bead Distributions at Cathlapotle  
 8:45 Robert R. Church—Fragmentation in Archaeological Samples: The Desire for Energy Versus Nutrients  
 9:00 D. Ann Trieu—The Ecological Context of Big Houses on the Northwest Coast  
 9:15 Elizabeth Sobel—An Analysis of Obsidian Artifacts from the Meier and Cathlapotle Sites: Implications for Social and Economic Differentiation in the Lower Columbia River Valley  
 9:30 Douglas C. Wilson—Complexity in a Remote and Undeveloped Area: Exploring Hunter-Gatherers on the East Fork Lewis River, Clark County, Washington  
 9:45 Herbert Maschner—Discussant

[137] Symposium ■ **Core-Periphery Complexity and Local Cultural Development: Tiwanaku and the Bolivian Eastern Andes**

Room: 204 (CC)

Organizers and Chairs: Karen Anderson and John Janusek

Participants:

- 8:00 Ricardo Cespedes Paz—Excavations at Pinami: Chronological Sequences and Regional Development for the Valle Central in Cochabamba, Bolivia during the Development of Tiwanaku  
 8:15 Karen Anderson and Ricardo Cespedes Paz—Tiwanaku and Local Effects of Contact: The Late Formative to Middle Horizon Transition in Cochabamba, Bolivia  
 8:30 Marianne Vetter and Ramon Sanzetenia—Tupuraya: A Pre-Tiwanaku Regional Development in the Cochabamba Valleys  
 8:45 Amy O. Rodman—Middle Horizon Textiles from Eastern Bolivia: Omereque and Mojocoya  
 9:00 John Janusek, Dante Angelo and Pilar Lima—Yampara, Its Neighbors, and Tiwanaku: Local Development and Regional Complexity in the Southern Bolivian Valleys  
 9:15 Claudia Rivera—Prehispanic Settlements and Regional Interaction in the Cinti Valley, Chuquisaca, Bolivia  
 9:30 Katharina Schreiber—Discussant

[138] Symposium ■ **A View from the Lagoons: Regional Postclassic Maya Research in Northern Belize**

Room: 606 (CC)

Organizers: Marilyn A. Masson, Robert M. Rosenswig, and Shirley B. Mock

Chair: Marilyn A. Masson

Participants:

- 8:00 Marilyn A. Masson and Thomas W. Stafford—The Role of Laguna de On in the Postclassic Political Hierarchy of Northern Belize  
 8:15 Georgia K. West, Marilyn Masson, Dan R. Finamore and Robert M. Rosenswig—Evidence for Historic Period Maya Settlement at Three Lagoons  
 8:30 Shirley Boteler Mock—Ceramic Production and Exchange at Three Postclassic Lagoon Sites in Northern Belize  
 8:45 Robert M. Rosenswig—Postclassic Burial Patterns at Laguna de On in Local and Regional Contexts  
 9:00 Stephanie Sheldon and Miguel Aguilera—Living at Laguna de On Island: Status and Domestic Production at a Postclassic Maya Community  
 9:15 Jennifer Wharton and Norbert Stanchly—Postclassic Maya Ritual and Staple Faunas of Laguna de On Island, Belize  
 9:30 Alice Waid—Postclassic Settlement at the Shore of Laguna de On

\* [139] Symposium ■ **No Longer in Whispers: Discussing Nonhierarchically Centralized Concepts of Cultural Evolution**

Room: 618/619 (CC)

Organizer and Chair: David Small

Participants:

- 8:00 Peter Peregrine—Corporate and Network Political Strategies in the Evolution of Mississippian Societies  
 8:15 Carole Crumley—Three Winged Bird: Chaotic Strange Attractors and the Evolution of Sociopolitical Organization  
 8:30 Gary Feinman—Corporate Hierarchies: An Application to the American Southwest  
 8:45 Christopher Garraty—Heterarchy and Settlement Pattern in the Aztec-Period Valley of Mexico: A Convergence of Archaeological and Ethnohistorical Perspectives  
 9:00 George L. Cowgill—Teotihuacan: Maybe a Constrained Monarchy or an Oligarchic Republic?  
 9:15 Priscilla Keswani—Urbanization Processes and Sociopolitical Landscapes: Perspectives from West Africa and Mesopotamia  
 9:30 Dean J. Saitta—The Political and the Economic in Archaeological Theory  
 9:45 David Small—Combining the Two: Heterarchy and the Dual Processual Model in Evolutionary Dynamics  
 10:00 Richard Blanton—Discussant

[140] Symposium ■ **Ceramic Ethnoarchaeology**

Room: 609 (CC)

Organizer and Chair: Brenda J. Bowser

Participants:

- 8:00 Miriam T. Stark, Ronald L. Bishop and Elizabeth Miksa—Ceramic Technology and Social Boundaries: Cultural Practices in Kalinga Clay Selection  
 8:15 Olivier P. Gosselain—A Potful of Stories: Comparative Ethnography, Archaeological Inference and the African Potter  
 8:30 Olga Kalentzidou—Pottery Traditions in NE Greece: Re-Evaluating the Role of Ethnicity in the Study of Material Culture  
 8:45 William Longacre—I Want to Buy a Black Pot!  
 9:00 Dean Arnold—What Do Ceramic Pastes Tell Us About Production Organization?  
 9:15 Mark Neupert, Hector Neff and Susan Stinson—Clays of Contention: Testing Sourcing Techniques in an Ethnoarchaeological Setting  
 9:30 Brenda Bowser—From Pottery to Politics: An Ethnoarchaeological Model of

Political Factionalism and Women's Domestic Pottery in the Ecuadorian Amazon

- 9:45 Margaret Ann Hardin and Barbara J. Mills—Resolving Discrepancies of Temporal Scale between Archaeological Ceramic Analysis and Ethnoarchaeological Studies: An Illustration Based on Historic Zuni Collections  
 10:00 Karen L. Mohr Chavez—Ethnoarchaeology and Pottery of the Yaya-Mama Religious Tradition of the Lake Titicaca Basin  
 10:15 Michelle Hegmon—Discussant  
 10:30 Cathy Costin—Discussant

[141] Symposium ■ **The Impacts of Repatriation: International Perspectives**

Room: 611 (CC)

Organizers: Kurt Dongoske and Roger Anyon

Chair: Kurt Dongoske

Participants:

- 8:00 Leonard A. Forsman—Repatriation: Contemporary Culture and Spiritual Survival  
 8:15 Dawn Hubbs—Repatriation and Archaeology in South Australia: Crossroads of Respect  
 8:30 Amy Dansie—Impacts of Repatriation in Nevada Museums  
 8:45 Thomas Killiou and Paula Molloy—Repatriation's Silver Lining  
 9:00 G. A. Clark—NAGPRA and the World Views of Science and Religion  
 9:15 George Nicholas—Repatriation in Canada: Indigenous Worldviews, Political Concerns, and Archaeological Prospects  
 9:30 Break  
 9:45 Roberta Hall—Cooperative Research with Reciprocal Benefits: A Personal History and a Proposal  
 10:00 Catherine Bennett and Colin Pardoe—The National Skeletal Provenancing Project—Addressing a Practical Problem for Museums and Australian Aborigines in the Repatriation Process  
 10:15 Gary White Deer—Spirit Horses and Bone Jockeys: Ethics, Ethos and Ethnocentricity  
 10:30 Jonathan Haas—Discussant  
 10:45 Phillip Walker—Discussant  
 11:00 Randall McGuire—Discussant  
 11:15 Keith Kintigh—Discussant

[142] Symposium ■ **Paleolithic Archaeology of the Caucasus and Trans-Caucasus Regions**

Room: 310 (CC)

Organizers and Chairs: Todd Koetje and Nazim Hidjrati

Participants:

- 8:00 Zaliko Kikodze—The Lower Paleolithic of the Parsati Plateau, Georgia  
 8:15 Reid C. Ferring—Plio-Pleistocene Geology in the Republic of Georgia: A Framework for Paleoanthropology  
 8:30 Vassili Liubin—The Caucasian Acheulean: Materials and Major Considerations  
 8:45 Helen Beliaeva—Variability among the Mousterian Industries of the Caucasus  
 9:00 Vladimir Doronichev and Ludov Goldonova—The Middle Palaeolithic Record of the Northwestern Caucasus  
 9:15 Lyubov Vitaliebn Golovanova and John Hoffecker—New Field Research at Mezmaiskaya Cave, Northwestern Caucasus  
 9:30 Victoria Maslennikova, Nazim Hidjrati, Larry Kimball, Todd Koetje and Alan Deino—Results of the 1997 Excavations at Weasel Cave, North Ossetia, Russia  
 9:45 Nazim Hidjrati—Some Clarification of the Issues of Site Formation, Stratigraphy, Hearths, and Preservation at Weasel Cave, North Ossetia, Russia

- 10:00 Todd Koetje—Spatial Analysis of the Final Mousterian Occupations at Weasel Cave, North Ossetia, Russia  
 10:15 Larry Kimball—Tool Functions of Final Mousterian Technology at Weasel Cave, Ossetia  
 10:30 Natalya Leonova—The Caucasus and the Russian Plain in the Late Pleistocene: Cultural Contacts and Migrations

[143] Symposium ■ **Learning and Craft Production in Prehistory**

Room: 303 (CC)

Organizers and Chairs: C. Jill Minar and Patricia L. Crown

Participants:

- 8:00 C. Jill Minar—Motor Skills and the Learning Process: The Conservation of Cordage Twist Direction in Communities of Practice  
 8:15 Kenneth E. Sassaman—Learning to Craft the Left-Handed Way  
 8:30 Linda Grimm—Apprentice Knapping: Relating the Cognitive and Social Dimensions of Lithic Technological Behavior  
 8:45 Kathryn Kamp—Prints on Pots: Children Working and Learning in Prehistory  
 9:00 Kim C. Goldsmith—"Look! I Can Make One Too!!": Prehispanic Clay Figurines Manufactured by Children at Teotihuacan, Mexico  
 9:15 Patricia Crown—Becoming a Potter: Situated Learning in the Prehistoric American Southwest  
 9:30 Michael Brian Schiffer—Discussant

[144] Symposium ■ **Political Geography of the Pre-Hispanic Maya: Concordance among Archeological Data and Historic Documents**

Room: 606 (CC)

Organizer: Tsubasa Okoshi-Harada

Chair: Lorraine A. Williams-Beck

Participants:

- 10:00 Tsubasa Okoshi Harada—Conceptos mayas de territorialidad: el caso de la jurisdicción de los Canul  
 10:15 Lorraine A. Williams-Beck—The Calkini Codex: An Archaeological Assessment  
 10:30 Ernesto Vargas Pacheco—La provincia de Acalan-Tixchel  
 10:45 Thomas H. Guderjan—An Evaluation of the Province of Chetumal  
 11:00 Susan Kepecs—Reassessing the Political Geography of Chikinchel, Yucatan, Mexico  
 11:15 Anthony P. Andrews—The Ancient Maya Port of Conil  
 11:30 Ana Luisa Izquierdo—Discussant

[145] Symposium ■ **The View of the Inside from the Outside: New Perspectives in Critical Archaeology**

Room: 303 (CC)

Organizers and Chairs: Kathleen Kawelu and Otis Parrish

Participants:

- 10:00 Kathleen Kawelu—Stewardship, "Interest Groups," and "Other" Archaeologists  
 10:15 Robin L. Sewell—The Past and Present in Black and White: Reflections on Ethnicity and Race  
 10:30 Anna Agbe-Davies—"Race" Matters in African-American Archaeology  
 10:45 Fred L. McGhee—Institutional Racism and Archaeology: A Case Study  
 11:00 Kathleen Sterling—Categorical Denial: Race, Heritage, and European Archaeology  
 11:15 Florie Bugarin—Images Shape Research: The Influence of Foreign "Non-White" Scholarship in South Africa  
 11:30 Otis O. Parrish—A Reflection on Method: Should Archaeology Re-invent the Ethnographic Wheel?

[146] Symposium ■ **The Uses of Iconography in South Central Andean Prehistory**  
 Room: 204 (CC)

Organizers and Chairs: Mario A. Rivera and Constantino Torres

Participants:

- 10:00 Anita Cook—Re-Thinking Iconography  
 10:15 Sergio Chavez—Iconography of the Yaya-Mama Religious Tradition in the Lake Titicaca Basin  
 10:30 Mario Rivera—Alto Ramirez Iconography  
 10:45 Constantino Torres—Tiwanaku Iconography in South Central Andean Snuffing Paraphernalia  
 11:00 Susan E. Bergh—Two Ranked Groups of Middle Horizon Tapestry Tunics  
 11:15 William Conklin—Iconographic Evidence of Cultural Continuity in the South Central Andean Area  
 11:30 Jeffrey Quilter—Discussant

[147] General Session ■ **Plains Archaeology**

Room: 620 (CC)

Chair: Stephen R. Durand

Participants:

- 8:00 Margaret Beck—Ceramics and Community Structure: A Reanalysis of Material from the Minneapolis Site (14OT5)  
 8:15 Craig Smith and William Martin—Roots and Cylindrical Pits: Hunter-Gatherer Intensification and Landscape Use  
 8:30 Jane Arie—Prehistoric Culture Contact: Seasonality and Exchange on the High Plains of Southeastern Colorado  
 8:45 Maxine McBrinn—Real Time, Radiocarbon Time and the Development of the Central Plains Tradition  
 9:00 Stephen R. Durand, Kathy Roler and Eleanor S. Williams—Investigations at Arch Lake: A Late Prehistoric Bison Kill Site in Eastern New Mexico  
 9:15 Paul R. Picha—Viral Disease and Bison Extirpation on the Northern Great Plains: Contingency and Evidential Constraints in Archaeological, Historical, and Epidemiological Records  
 9:30 Robert Speakman and Craig Johnson—Going, Going, Almost Gone: The 1997 Field Investigations at Jones Village (39CA3), Campbell County, South Dakota  
 9:45 Wendy Sutton—Increases in Polygamy on the High Plains During the Protohistoric Period: Evaluating Ethnographic Suggestions, Economic Change and Archaeological Evidence

[148] General Session ■ **Old World Archaeology**

Room: 201 (CC)

Chair: Bettina Arnold

Participants:

- 8:00 Michele A. Miller—Long Distance Exchange in the Aegean Late Neolithic: The Production and Distribution of Opaque-White Beads  
 8:15 Thomas D. Berger—A Scan Across the Natufian: A Preliminary Comparative Study of Natufian Entities in the Southern Levant  
 8:30 Alan Simmons—Exploring Core-Periphery Relationships During the Levantine Neolithic  
 8:45 Jennifer Jones—Urban Collapse and Rural Ceramic Exchange in the Early Bronze IV Southern Levant  
 9:00 Jane Peterson—Alternative Approaches to Early Bronze Age Household Economy: Ground Stone Tools from the Southern Levant  
 9:15 Christopher A. Papalas—A Chronological Study of Chalcolithic and Early Bronze Architectural Features in the Wadi el-Hasa of West Central Jordan  
 9:30 Jeanne Nijhowne—Out with the Old, In with the New: Reassessing the Tradition between Old Babylonian and Kassite Cylinder Seals  
 9:45 Break

- 10:00 Andrew Cohen—New Light on the "Royal Cemetery" of Ur  
 10:15 Ann Macy Roth—Domestic and Mortuary Spaces in Ancient Egypt  
 10:30 Catherine Labadia and David George—Migration and the Maintenance of Cultural Integrity: The Linearbandkeramik as a Case Study  
 10:45 Konstantina-Eleni Michelaki—The Maros Women of Bronze Age Hungary: Household, Craft Specialists and Politicians?  
 11:00 Ann M. Kroll—Iron Age Kurgans of the Transurals  
 11:15 Bodo Anke—The Burial Place from Sutu-Bulak in Kyrkystan  
 11:30 Steven Weber—Agriculture and Urbanism: Their Interplay at Harappa  
 11:45 John Arnn III—From Order to Chaos: from Western Chou to the Warring States

[149] General Session ■ **Subsistence, Settlement and Environment**

**Room:** 211 (CC)

**Chair:** Aubrey Cannon

**Participants:**

- 8:00 Richard Gould, Richard Fullagar and Peter Veth—Direct Evidence of Early Plant Use in Arid Australia  
 8:15 Leo-Aoi Hosoya—What Did Rice Bring to Japan? New Methodological Frontier for Asian Archaeobotany  
 8:30 Brett Hill—A Spatial Analysis of the Role of Environmental Degradation in Long Term Settlement Trends in the Wadi al Hasa of West-Central Jordan  
 8:45 Bruce Gladfelter—Geomorphic Thresholds and Scale as Alternatives to Climatic Forcing in the Interpretation of Prehistoric Environments  
 9:00 Rick J. Shulting and Mike Richards—Fish Tales and Fish Wives: Stable Isotope Analysis in the Breton Mesolithic  
 9:15 Ksenija Borojevic—Prehistoric Mixed Subsistence Strategies: The Use of Arable Land and Forests in the Late Neolithic Site OpoVo in Southeast Europe  
 9:30 John P. Hart—Fitness Landscapes and Prehistoric Maize Agricultural Evolution in the Eastern Woodlands  
 9:45 Stephanie Koerner and Raphael A. Gasson—Human-Environmental Relationships in the Pre-Columbian Venezuelan Savannas (ca.900–1400 A.D.) and Neolithic Denmark (ca.3500–3100 B.C.): A Process for Going Beyond the Nature-Culture Dichotomy in Comparative Historical Ecology  
 10:00 Bruno D. V. Marino—Culture and Climate Change: Molecular Linkages Found in the Carbon, Hydrogen and Oxygen Isotope Ratios of Archaeobotanicals

[150] General Session ■ **Bioarchaeology, Physical Anthropology and Mortuary Practices**

**Room:** 602 (CC)

**Chair:** Lori E. Wright

**Participants:**

- 8:00 Ekaterina Petchenkina, Mercedes Delgado and Robert A. Benfer Jr.—Ethnic Diversity in the Early Intermediate: The Skeletal Evidence from Villa Salvador  
 8:15 Alexander F. Christensen—Cerro de las Minas, Monte Alban, and the Biological Structure of Classic Period Oaxaca  
 8:30 Sherry Gibbs—Human Remains in Caves from the Maya Area: Interpreting the Differences Across Time and Space  
 8:45 Javier Urcid—The Technology of Trephination Mesoamerica  
 9:00 Julie Farnum, Ekaterina Petchenkina, Robert A. Benfer, Jr.—Diet and Health in the Peruvian Cotton Pre-ceramic and Initial Periods: Asia and Cardal  
 9:15 Christine M. Malcom, Paula D. Tomczak and Jane E. Buikstra—Anthropometric and Dietary Variation of the Chiribaya Peoples of Peru  
 9:30 Mirjana Roksandic—Disposition of Skeletal Remains: A Key to Understanding Mortuary Behavior  
 9:45 Bryon Bass and Philippe Della Casa—Prehistoric Population Profiles and Palaeoenvironmental Data from the South Dalmatian Coast: Evidence from the

- Excavations at Velika Gruda, Boka Kotorska-Montenegro, and Samples from the Island of Korcula, Croatia  
 10:00 Bernard K. Means—Monongahela Mortuary Practices: A View from Somerset County, Pennsylvania  
 10:15 Ann Webster—Forensic Recovery: Politics and Postdepositional History

[151] General Session ■ **Archaeological Method and Theory**

**Room:** 307/308 (CC)

**Chair:** Jonathan C. Driver

**Participants:**

- 8:00 Christine VanPool and Todd VanPool—Postprocessualism: The Rebirth of Social Science  
 8:15 Scott Hutson—Critical Research in American Archaeological Discourse  
 8:30 James Coil—Judicial Metaphors and Rhetorical Realities: The Epistemology of Archaeological Evidence and Argument  
 8:45 David Conlin—The Curious Epistemology of Nautical Archaeology: Philosophical Reduction and New Knowledge Claims  
 9:00 Jeanne E. Arnold—Revisiting Concepts of Power and Rank in Prehistory  
 9:15 Antonio Gilman—Operationalizing Property  
 9:30 Breal  
 9:45 Susan Kent—For Love or Hate: Relations between Prehistoric Neighbouring Hunter-Gatherers and Farmer/Pastoralists  
 10:00 Julia L. J. Sanchez and Stuart Tyson Smith—Representations of Power: A Comparison of Monumental Art from Egypt and the Maya  
 10:15 April Sievert—Eccentricity: Technology at the Extreme  
 10:30 William C. Prentiss and James C. Chatters—Systems as Individuals: Macroevolution and Culture Change  
 10:45 Richard Ciolek-Torrello—The Relationship between Agricultural Intensification and Domestic Organization: Fact or Fiction  
 11:00 Stephen E. Nash, Carla Van West and Barney T. Burns—Dry Idea: The "Great Drought" and Seven Decades of Southwestern Prehistory

[152] General Session ■ **Approaches to Architecture in the Southwest**

**Room:** 607 (CC)

**Chair:** Harry Shafer

**Participants:**

- 8:00 Jason S. Shapiro—New Light on Old Mud—A Space Syntax Analysis of the Casa Grande, Arizona  
 8:15 Silvia Marinas Feliner—Paquime: Architecture, Labor, and Sociopolitical Complexity  
 8:30 William L. Deaver and Eric Klucas—Divining Site Structure Using High-Precision Archaeomagnetic Dating  
 8:45 Douglas B. Craig—The Demographic Implications of Architectural Change at the Grewe Site  
 9:00 Alexandra Mack—Architectural Patterning and Artifact Assemblages at the Cline Terrace Mound  
 9:15 Kristin L. Fangmeier—Household Space and Activities in Pueblo Communities: A View from the Tsegi Canyon  
 9:30 Break  
 9:45 Todd Howell—Prehistoric Households near Payson, Arizona  
 10:00 Paula Massouh—The Chacoan Tower Kiva Sites of Kin Klizhin and Kin Ya'a  
 10:15 Charles David (Dave) Johnson—Primary Function of Anasazi Towers: A GIS and Remote Sensing Analysis  
 10:30 Maripat Metcalf—Community Building: Civic Construction Labor in the Northern Southwest  
 10:45 Melissa Churchill, Kristin Kuckelman, and Mark Varien—Public Architecture in the Mesa Verde Region A.D. 900 to 1300

11:00 D. M. Glowacki and K. Kuckelman—Yellow Jacket Pueblo (5MT5): A Persistent Place on the Mesa Verde Landscape

[153] General Session ■ **Lithic Analysis**

Room: 605/610 (CC)

Chair: Peter Bleed

Participants:

- 8:00 Phil Geib and Stanley Ahler—Folsom Fluting Using Simple, Portable Antler, Stone and Wooden Tools
- 8:15 Andrew Pelcin—The Successful Removal of a Folsom Channel Flake: The Role of the Angle of Blow
- 8:30 Shoh Yamada and T. D. Berger—Experimental Results of Microlithic Projectile and Geometric Weaponry Studies
- 8:45 Virginia Hatfield—Chert Patination as Evidence for Stratigraphic Integrity
- 9:00 Michael Neeley—Patterns of Lithic Manufacture and Discard from the Epipaleolithic of West-Central Jordan
- 9:15 Dennis Hurlburt—Ruralism and Rocks: Economic Specialization and Lithic Tool Production at Tel El-Hayyat, Jordan
- 9:30 Annelou Van Gijn—The Wear and Tear of Flint: Changing Attitudes Versus Stone in the Later Prehistory of Northwestern Europe
- 9:45 Break
- 10:00 Christopher T. Hall—The Organization of Lithic Technology at the Beehive Site, Wyoming
- 10:15 Andrew Bradbury—A Continuum Model for the Analysis of Flake Debris from an Early Archaic Assemblage
- 10:30 William Andrefsky Jr.—Debitage Analysis and Raw Material Influence
- 10:45 Caryn M. Berg and Michael Glassow—Use-Wear Analysis of Drills as Evidence for Craft Production in Coastal California
- 11:00 Marvin Kay and Bruce Hardy—Middle Paleolithic Hafted Tools from Starosele, Western Crimea
- 11:15 Steven Ahr—Patterns of Hide Processing along the Texas Inner Gulf Coastal Plain: Implications of Late Prehistoric and Early Historic Trade
- 11:30 Kathryn Mauz, Paul E. Buck and Gregory M. Haynes—A Comparative Functional Analysis of Lithic Artifacts from the Nevada Test Site, Nye County

[154] General Session ■ **Archaeology of Northeastern North America**

Room: 604 (CC)

Chair: Dennis B. Blanton

Participants:

- 10:00 Allen Quinn—Irvine Flats: An Archaeological Reality
- 10:15 J. L. Yedlowski and J. M. Adovasio—Habitations Or Way Stations: Rockshelter Utilization in the Minister Creek Drainage, Allegheny National Forest, Pennsylvania
- 10:30 Gloria Gozdzik, Trevor Harris, Susan Bergeron and Jesse Rouse—A Predictive Model Integrating GIS and Archaeology in Southern West Virginia
- 10:45 Michael Volmar—The Micromorphology of Two Open Air Archaeological Sites
- 11:00 J. E. Thomas, James Adovasio, Donna L. Kirner, Richard Burkey, Karen Selzer, R. E. Taylor and John R. Southon—Radiocarbon Evidence for Prehistoric Petroleum Utilization in Pennsylvania
- 11:15 Christina B. Rieth—Crossing Ethnic and Regional Boundaries: A Comparison of the Early Late Woodland Occupants of the Hudson, Mohawk and Susquehanna River Valleys
- 11:30 Catherine Pedler and David Pedler—The Organization of Flaked Stone Technology at 36ER162: A Special-Activity Locus on the Whittlesey—Proto-Erie Frontier
- 11:45 M. A. P. Renouf and Trevor Bell—Archaeology and Sea Level History at Port au Choix, Newfoundland

[155] General Session ■ **Subsistence in the Midwest and Great Lakes**

Room: 620 (CC)

Chair: David G. Smith

Participants:

- 10:15 Richard L. George—A Nutritional Problem at Wylie #3, a Western Pennsylvania Late Prehistoric Site
- 10:30 Sissel Schroeder—Fertile Land and Productive Wetlands: The Economic Basis of Cultural Complexity in the American Bottom
- 10:45 Robert Jeske—A Tale of Two Rivers: Small-Scale Environmental Variation and Prehistoric Settlement in Northeastern Indiana
- 11:00 Rexford C. Garniewicz—Raccoon Mortality Profiles: Indicators of Prehistoric Hunting Intensity in the Midwestern U.S.
- 11:15 Leslie L. Bush—Notes on Late Woodland Plant Use in Southern Indiana
- 11:30 Gary W. Crawford and Joseph Desloges—Floodplains and the Origins of Northern Iroquoian Maize Horticulture in Southern Ontario, Canada
- 11:45 David G. Smith and Anthony M. Davis—Archaeological and Palynological Investigations at Cootes Paradise, Hamilton, Ontario

**SATURDAY AFTERNOON, MARCH 28, 1998**

[156] SAA Public Session ■ **What Lies beyond the Shore? Underwater Archaeology of Prehistoric and World War II Sites** (Sponsored by SAA Public Education Committee)

Place: William M. Allen Theater, Museum of Flight, 9404 E. Marginal Way South

Organizer and Chair: Carol Griffith

Participants:

- 1:00 Larry Murphy—Fisheye View of WWII in the Pacific Theater
- 2:00 Michael K. Faught—Underwater Archaeology—The Prehistoric Sites

[157] Fryxell Symposium ■ **A Geophysical Contribution to Archaeology: Papers in Honor of John Weymouth**

Room: 608 (CC)

Organizer and Chair: Rinita Dalan

Participants:

- 1:00 Mark Lynott—Geophysical Surveys in the Mid-Continent: John Weymouth and the Midwest Archaeological Center
- 1:15 Bruce Bevan—Magnetic Surveys in the Americas
- 1:30 Luis Barba—Geophysics and Chemistry
- 1:45 Nomi Greber—Geophysics and Archaeology: A Case Study from the High Bank Earthworks, Ross County Ohio
- 2:00 Rinita A. Dalan, George R. Holley, Harold W. Watters, Jr., William I. Woods and John Koepke—The Last Step: From Geophysics to Landscape at the Cahokia Mounds Site
- 2:15 Duncan McNeill—Archaeological Mapping Using Low-Frequency Electromagnetic Techniques
- 2:30 Break
- 2:45 Clark A. Dobbs—"Imaging the Past": The Integration of Multiple Data Sources in Intra-Site Analysis
- 3:00 Chris Gaffney, John Gater and Gwilym Hughes—Magnetic Survey at King Lobengula's Royal Enclosure at Old Bulawayo, Zimbabwe
- 3:15 Robert Huggins—Instrumentation Advances for Archaeological Geophysics: Seismic Surface Waves, Oversampling Magnetometers and Capacitively Coupled Resistivity
- 3:30 Thomas L. Carr—Using Combined Ground Penetrating Radar and Electromagnetic Induction Data for Defining Subsurface Patterning at Ancient Pueblo Sites

- 3:45 Kenneth W. Karsmizki—Prospecting for Lewis and Clark: A Geophysical Approach to Expedition Campsites  
 4:00 John Weymouth—Discussant

[158] Symposium ■ **The Social Implications of Ancient Maya Rural Complexity**  
 Room: 609 (CC)

**Organizers and Chairs:** Gyles Iannone and Samuel Connell

**Participants:**

- 1:00 Wendy Ashmore—Theory in Maya Settlement Archaeology, 1998  
 1:15 Gyles Iannone—A Multiplicity of Integrative Strategies: Toward an Understanding of Middle Level Settlement Variability in the Vicinity of Cahal Pech, Belize  
 1:30 James M. Conlon and Allan F. Moore—Plazuela Groups of the Late Classic Period: A Comparison and Contrast of Community Interaction and Integration at Baking Pot, Belize  
 1:45 Jason Yaeger—Household Strategies of Affiliation and the Changing Organization of Small Communities along the Upper Belize River  
 2:00 Jennifer Ehret—Lineage, Land, and Loyalties: A Model for Rural, Mid-Level Settlement Variation in the Region of Xunantunich, Belize  
 2:15 Samuel Connell—Merging the Variability among Maya Minor Centers: Research at Chaa Creek, Belize  
 2:30 James Garber, David Driver, Kathryn Brown and Jennifer McWilliams—Betwixt and Between: Boundary Sites in the Belize Valley  
 2:45 Andrew Kinkella and Lisa Lucero—Water and Earth: Regional Dynamics in the Valley of Peace  
 3:00 Break  
 3:15 John Morris—The Empire Re-Narrated: Identity and Ethnicity of the Mountain Cow Communities  
 3:30 Arlen F. Chase and Diane Z. Chase—Tilting with Windmills: Minor Centers, Social Complexity, and Lowland Maya Settlement Archaeology  
 3:45 Patricia McAnany, Kimberly Berry and Ben Thomas—Wetlands, Rivers, and Caves: The Social Texture of Two Lowland Maya Landscapes  
 4:00 Laura Levi—Scales of Analysis, Perceptions of Power, and the Limits of Community: Exploring the Spatial Dimensions of Prehispanic Maya Social Organization  
 4:15 Norman Hammond, Gair Tourtellot, Shannon Plank and Gloria Everson—Suburban Administration: Minor Centers at La Milpa, Belize  
 4:30 Edward Schortman—Discussant  
 4:45 Patricia Urban—Discussant

[159] Symposium ■ **Com(Posting) Dichotomies: Building Alternatives to Processual and Postprocessual Archaeologies**

Room: 615/617 (CC)

**Organizers and Chairs:** LouAnn Wurst and Randall H. McGuire

**Participants:**

- 1:00 James Delle—Archaeology and the Cult of the Individual  
 1:15 Philip Duke and Dean Saitta—Critiquing the Radical Critique  
 1:30 Margaret Wood—Reinstating Feminism's Radical Potential: Beyond Coal Miner's Daughter  
 1:45 Matthew H. Johnson—Relativists are Good to Think and Good to Prohibit  
 2:00 Rodrigo Navarrete—Soft Science vs. Science Fiction: Latin American Social Archaeology and Postprocessualism in Venezuela  
 2:15 LouAnn Wurst and Randall H. McGuire—No One Acts Alone: A Critique of Individual Agency in Archaeological Theory  
 2:30 Terrence W. Epperson—Overcoming the Essentialist/Constructionist Dichotomy in the Archaeology of Race and Racism

- 2:45 Barbara Bender—Working the Political Landscape: Stonehenge and Navan (Northern Ireland)  
 3:00 Thomas C. Patterson—Discussant

[160] Symposium ■ **Can't We Just Throw It Away? New Approaches to Plain Pottery**

Room: 605/610 (CC)

**Organizers and Chairs:** Susan A. Dublin and David Yoon

**Participants:**

- 1:00 James P. Fenton—Undecorated Ceramics and the Failure of Typologies  
 1:15 Christian Wells and Arleyn W. Simon—A Consideration of Central Arizona Plain Wares, Technological Traditions, and Cultural Connections  
 1:30 James Heidke—Migration, Technological Style, and Utilitarian Pottery Economics in the Prehistoric Tonto Basin, Central Arizona  
 1:45 Christopher Pierce—Explaining the Rise and Fall of Corrugated Cooking Pots in the American Southwest  
 2:00 Andrew Duff, Hector Neff and Michael Glascock—Assessing Differing Scales of Social Interaction in the Late Prehistoric Southwest  
 2:15 Mark Mitchell—Utilitarian Ceramic Exchange and Household Reproduction in Small-Scale Societies  
 2:30 Meta F. Janowitz—Utilitarian Ceramics in Urban Settings: Common Earthenwares and Stonewares from New York City, Philadelphia, and Boston  
 2:45 Break  
 3:00 David Yoon and Sebastian F. S. Heath—Pottery and Economic Transformation at the Ancient-Medieval Transition in Mediterranean France  
 3:15 Kenneth Boden—Plainware Sherds, the Early Potter's Wheel and Economic "Spin-Offs" in Southeast Anatolia  
 3:30 Susan A. Dublin—Kettles and Cooking Pots: The Social Context of Historic Zuni Blackwares  
 3:45 Barbara J. Heath—Yabbas, Monkeys and "English Things": The Multiple Uses of Afro-Caribbean Ware  
 4:00 Leland Ferguson—Early African-American Pottery in South Carolina: A Complicated Plainware  
 4:15 Warren R. DeBoer—Discussant

[161] Symposium ■ **Argument or Assertion? Exposing the Historical Embeddedness of Unexamined Assumptions in North American Archaeology**

Room: 307/308 (CC)

**Organizer and Chair:** Mary Ann Levine

**Participants:**

- 1:00 William B. Fawcett—Myths of Pristine Environments and Archaeology in the American West  
 1:15 Caroline Hudecek-Cuffe—Exposing Unexamined Assumptions in Plains Paleoindian Lifeways and Gender Reconstructions  
 1:30 Joseph Kovacic—Laboratory Life? Southwestern Prehistory as Social History  
 1:45 Susan R. Martin—Examining the Links between Technological Innovation and Population Growth in the Northern Great Lakes  
 2:00 Jack Rossen—Assumptions and Paradigms in American Archaeobotany  
 2:15 Catherine Carlson—Historical Constructions of New England Atlantic Salmon  
 2:30 Mary Ann Levine—The Consequences of Succumbing to Academic Myths: The Case of Native Copper in the Northeast  
 2:45 Kathleen Ehrhardt—European Materials in Native Contexts: Rethinking Technological Change  
 3:00 Alice B. Kehoe—Discussant

[162] Symposium ■ **Heritage of Value, Archaeology of Renown: Reshaping Archaeological Assessment and Significance**

Room: 201 (CC)

Organizers and Chairs: Clay Mathers and Barbara Little

Participants:

- 1:00 Timothy Darvill—"Sorted for Ease and Whizz": Approaching Value and Importance in Archaeological Resource Management?
- 1:15 Barbara J. Little—The National Register of Historic Places and the Shaping of Archaeological Significance
- 1:30 John Carman—The Accounting, the Economic and the Social: What Price Archaeology?
- 1:45 Laurajane Smith—Archaeological Significance Assessments: "Conserving" Archaeological Values and Practice
- 2:00 Joseph Tainter—Heritage Management, Significance, and Contemporary Environmental Change
- 2:15 Ian Ritchie and Jane Grenville—Archaeological Deposits and Value
- 2:30 Clay Mathers—"Drawing Distinctions": Towards a Scalar Model of Value and Significance
- 2:45 David Burley—Discussant
- 3:00 Timothy Champion—Discussant
- 3:15 Thomas Green—Discussant

[163] Symposium ■ **Sino-Foreign Collaboration in Chinese Archaeology**

Room: 607 (CC)

Organizer and Chair: Francis Allard

Participants:

- 1:00 Sarah Nelson—Recent Research in Niuheliang, Liaoning Province, China
- 1:15 Gideon Shelach and Kathryn Linduff—Changing Lifeways in the Beifang, China: International Cooperative Project (University of Pittsburgh, Jilin University, Hebrew University)
- 1:30 David B. Madsen, Robert G. Elston, Robert L. Bettinger, Jeffery P. Brantingham and Li Jing Zen—Looking for the Antecedents of Agriculture in Northern China
- 1:45 Robert Bettinger—Lithic Assemblage Variability at the Pleistocene-Holocene Boundary in North China: Results of the Pigeon Mountain Project, Ningxia, PRC
- 2:00 Jim Railey—The Yuanqu Basin Project, North-Central China
- 2:15 Anne P. Underhill, Gary M. Feinman and Linda Nicholas—Collaborative Research on the Development of Complex Societies in Southeastern Shandong Province, China
- 2:30 Break
- 2:45 Gwen Bennett and Hui Feng—Lithic Production During the Late Neolithic Period in Southeastern Shandong Province, China
- 3:00 C. L. Shannon and Jian Leng—Settlement Patterns and Sociopolitical Evolution of the Late Longshan to Erlitou Cultures (2200–1500 B.C.) in the Ying River Valley, Henan Province, China
- 3:15 David Joel Cohen—The "Investigations into Early Shang Civilization" Project: The Continuing Search for Early Shang
- 3:30 Geoffrey Cunlar and Richard MacNeish—The Sino-American Jiangxi Origin of Rice Agriculture Project: Organization and Excavation
- 3:45 Richard MacNeish and Geoffrey Cunlar—The Sino-American Jiangxi Origin of Rice Agriculture Project: Analysis and Theory
- 4:00 Sari Miller-Antonio, Lynne Schepartz and Deborah Bakken—Collaborative Excavations at Panxian Dadong, a Paleolithic Cave in Guizhou Province, Southern China
- 4:15 Lynne Schepartz, Deborah Bakken and Sari Miller-Antonio—Taphonomic Studies at the Cave of Panxian Dadong, Guizhou Province, Southern China

[164] Symposium ■ **Potholes in the Red Road: Science and the Indian Way**

Room: 604 (CC)

Organizer: Leonard A. Forsman

Chair: Joe E. Watkins

Participants:

- 1:00 Leonard Forsman—The Science of Ceremony: The Role of Indian Spiritual Beliefs and Practices in Cultural Resource Management
- 1:15 Linda Reed-Jeroftke—Tribal Anthropologists: What Is Their Role in Cultural Resource Protection?
- 1:30 Diana Yupe—Converging the Moccasin Trail and the Asphalt Highway
- 1:45 Mark Druss—The Values of Archaeology
- 2:00 Andrew de Los Angeles—The Power of the Falls: Cultural Survival and the Snoqualmie Tribe
- 2:15 Father Benedict Auer, O.S.B.—Different Ways to Honor the Dead: An Historical Perspective on Funeral Customs

[165] Symposium ■ **The Archaeology of Early Modern Humans in Africa**

Room: 211 (CC)

Organizer and Chair: Pamela Willoughby

Participants:

- 1:00 Philip Van Peer and Pierre M. Vermeersch—The Archaeology of Northeast Africa in the Light of the Origin of Modern Humans
- 1:15 Fred Wendorf and Romuald Schild—The Archaeology of Early Modern Humans in Northeast Africa
- 1:30 Julie Cormack—Pleistocene Pick: From East Anglian Rostrocarinate to East African "Tea-Cosy"
- 1:45 Stanley H. Ambrose—Effect of Geomagnetic Field Strength Variation on the Chronology of the Middle to Later Stone Age
- 2:00 Janet L. Atkinson and Stanley H. Ambrose—Stratigraphy, Sedimentology, and Palaeosol Stable Isotope Analysis of Ntuka River 3, Southwest Kenya
- 2:15 D. Bruce Dickson, G. Young Gang and David D. Kuehn—The Middle and Later Stone Age Lithic Assemblages at Shurmai Rockshelter (Gnjm1) and Kakwa Lelash Rockshelter (Gnjm2) in the Mukogodo Hills of North-Central Kenya
- 2:30 Pamela Willoughby—Middle and Later Stone Age Prehistory in Southwestern Tanzania
- 2:45 Janis Klimowicz and Gary Haynes—Pleistocene Technology and Culture in Northwest Zimbabwe
- 3:00 C. C. Hoffman and Janis Klimowicz—Late Early Stone Age Technology in Northwestern Zimbabwe: Searching for the Signature of Anatomically Modern Homo Sapiens
- 3:15 Curtis Marean—Middle Stone Age Faunal Exploitation in South Africa: New Data from Die Kelders Cave 1
- 3:30 Thomas J. Minichillo—Middle and Late Stone Age Faunal Assemblages from South Africa: Were Modern Peoples More Effective Hunters?

[166] Symposium ■ **Archaeological Research in the Fraser Valley, Southwestern British Columbia**

Room: 303 (CC)

Organizers and Chairs: Dana Lepofsky and Doug Brown

Participants:

- 1:00 Sonny McHalsie—Archaeology in Sólth Téméxw
- 1:15 Morley Eldridge—Site Location Patterning in the Stave Lake Reservoir: Early Period Site Locations
- 1:30 David Schaepe—Household Interpretations from a 4,700-Year-Old Plankhouse in the Upper Fraser Valley, B.C.
- 1:45 Michael Blake—Some Social and Political Implications of Burial Mounds and Cairns in the Lower Fraser River Region, B.C.

- 2:00 Doug Brown, Dana Lepofsky, Michael Blake and Sandra Morrison—Finding the Floor: Household Archaeology at the Scowlitz Site
- 2:15 Nicole Oakes—Settlement Archaeology and Large-Scale Survey in the Upper Fraser Valley, Southwestern British Columbia
- 2:30 Dana Lepofsky, Douglas Hallett, Kevin Washbrook, Sonny McHalsie and Rolf Mathewes—Documenting the History of Prescribed Burning among the Sto:lo of the Fraser Valley, British Columbia
- 2:45 Ian Franck—High Elevation Archaeology in the Fraser River Area
- 3:00 Brenda Crabtree, Linnea Batell and Gordon Mohs—Public Archaeology in the Fraser Valley: Xa:ytem Longhouse Interpretive Centre

[167] Symposium ■ **Refitting Studies in New and Old World Lithic Analyses**  
**Room:** 606 (CC)

**Organizers and Chairs:** Zachary Davis and Jay Franklin

**Participants:**

- 1:00 Zachary Davis—The Analytical Potential of Refitting Studies: History and Synthesis of Applications
- 1:15 Christopher Bergman—Refitting: Why Buy a Puzzle Containing Mixed and Missing Pieces?
- 1:30 Michael Petraglia—Refitting Goals on Both Sides of the Atlantic
- 1:45 Jay Franklin—Heaven under Earth: Fables of a Reconstruction
- 2:00 Toby Morrow—Lithic Refits in Time and Space: Examples from the Midwestern U.S.
- 2:15 Ludomir Lozny—Epistemology of a Puzzle: The Application of Refitting Technique and Minimum Nodule Analysis to Investigate Lithic Assemblages
- 2:30 Debora Klugmann, Mariana Carballido and Cristina Bellelli—The Current State of Refitting Studies in Argentine Archaeology
- 2:45 Break
- 3:00 Nicholas Conard—Refitting Studies in the German Stone Age
- 3:15 Jan Fiedorczuk—Flint Artifacts Refitting in Examination of the Final Palaeolithic Mazovian Assemblages in Poland
- 3:30 Mark Becker—The Origins of Blade/Bladelet Technology in the Levant: A Test of the Lithic Efficiency Hypothesis
- 3:45 Angela Close—Beyond Technology: The Reconstruction of Movement from Refitting
- 4:00 Jacques Pelegrin and Magen O'Farrell—Ongoing Lithic Refitting during Excavation: Methodology and Implications for Understanding Site Stratigraphy
- 4:15 Paola Villa—Discussant
- 4:30 George H. Odell—Discussant

\* [168] Symposium ■ **A Revolt Against Hierarchical Authority: Alternative Models of Prehistoric Social Organization**

**Room:** 618/619 (CC)

**Organizers:** Joseph Ezzo and Edgar Huber

**Chair:** J. Ezzo

**Participants:**

- 1:00 Joseph Ezzo—On the Tyranny of Hierarchy and the Need for New Models of Social Evolution
- 1:15 Joel Gunn and Carole Crumley—New Light on a Dark Age
- 1:30 Bernard Wailes—Heterarchy in Later Prehistoric Europe
- 1:45 Alan Zagarell—Hierarchies and Resistance
- 2:00 Helaine Silverman—Nasca Settlement and Society: Heterarchical Principles of a Full Landscape Approach
- 2:15 Kathleen M. Sydorik Allen—Differentiation and Integration in Iroquois Society
- 2:30 Edgar K. Huber—Nonhierarchical Organizational Complexity in the Puebloan Southwest
- 2:45 Charles Riggs—The Social Process of Migration and its Influence upon Community Organization: An Example from East-Central Arizona

- 3:00 Jonathan Haas and Winifred Creamer—Pueblo Political Organization in 1500: Tinkering with Diversity
- 3:15 Norman Yoffee—Discussant
- 3:30 George J. Gumerman—Discussant

[169] Symposium ■ **Historical Foundations of Bioarchaeology in the Greater Southwest**

**Room:** 304 (CC)

**Organizer and Chair:** Lane Beck

**Participants:**

- 1:00 Lane Beck—Kidder, Hooton, Pecos and the Birth of Bioarchaeology
- 1:15 Gordon F. M. Rakita—An Historical Perspective on Bioarchaeological Research in the Cibola Region of the American Southwest
- 1:30 J. Jefferson Reid and Stephanie M. Whittlesey—A Half-Century of Bioarchaeology: Case Studies from the University of Arizona Field Schools
- 1:45 Robert Pickering—Physical Anthropology on the Edge: Studying the Ancient Cultures of North and West Mexico
- 2:00 Lorrie Lincoln-Babb and Penny D. Minturn—Bioarchaeology in CRM
- 2:15 Edward M. Luby—Bioarchaeology in the Museum Context
- 2:30 Debra L. Martin and Pamela Stone—Owning the Sins of the Past: Historical Trends, Missed Opportunities, and New Directions in the Study of Human Remains
- 2:45 Jane E. Buikstra—Discussant
- 3:00 Lynne Goldstein—Discussant
- 3:15 Hartman Lomawaima—Discussant

[170] Symposium ■ **Towards an Understanding of Early Community Development Around Lake Titicaca: Recent Research at Chiripa, Bolivia**

**Room:** 204 (CC)

**Organizer and Chair:** Christine A. Hastorf

**Participants:**

- 1:00 Christine A. Hastorf—The Goals and Methods of the Taraco Archaeological Project
- 1:15 Lee Steadman and William Whitehead—Temporal Frameworks for the Taraco Archaeological Project Excavations: New Ceramic and Radiocarbon Dates from Chiripa
- 1:30 Matthew Bandy—Recent Discoveries on the Chiripa Mound
- 1:45 David Kojan and Emily Dean—Santiago: An Early Formative Ritual and Domestic Site
- 2:00 Jose Luis Paz—The Llusco Enclosure in the Bolivian Formative
- 2:15 William Whitehead—Archaeobotanical Remains from Chiripa, Bolivia, 1992 and 1996 Excavations
- 2:30 Katherine M. Moore, David Steadman and Susan DeFrance—Herds, Fish and Fowl in the Domestic and Ritual Economy of Formative Chiripa
- 2:45 Melissa Goodman—Preliminary Soil Micromorphological Investigations from Chiripa
- 3:00 Deborah E. Blom and Matthew S. Bandy—Bioarchaeology and Long-Term History at Chiripa
- 3:15 David Browman—Discussant

[171] General Session ■ **Northwest Coast**

**Room:** 613/614 (CC)

**Chair:** Madonna Moss

**Participants:**

- 1:00 Astrida R. Blukis Onat—Have You Examined Your Ethnographic Model Lately?
- 1:15 Farid Rahemtulla—Early Holocene Mobility and Settlement Organization on the Central Coast of British Columbia

- 1:30 Rick Minor and Ruth L. Greenspan—The Archaic-Formative Transition on the Southern Northwest Coast
- 1:45 Mike Tveskov—Late Holocene Settlement and Subsistence along the Southern Northwest Coast: Evidence from Coos County, Oregon
- 2:00 Eric McLay—Coastal Resources and Northwest Coast Complex Hunter-Gatherer Settlement Patterns
- 2:15 Colin Grier—Household and Village in the Prehistoric Gulf Islands of the Northwest Coast
- 2:30 Diane K. Hanson—Salmon Abundance and Models of Social Complexity on the Northwest Coast
- 2:45 Break
- 3:00 Dennis E. Lewarch—Evidence for Pre-European Contact Earthquakes in the Puget Sound, Washington Archaeological Record
- 3:15 Kristine Bovy—Avian Skeletal Part Distribution in the Northwest Coast
- 3:30 Gary Coupland and Kathlyn Stewart—You are What You Eat: Evidence for Subsistence Variability among Prehistoric Village Groups at Prince Rupert Harbour, British Columbia
- 3:45 Karen R. Adams—The Spirit of the Driftwood: Alaskan Driftwood Use and Archaeological Implications
- 4:00 Charles M. Mobley—Prehistoric Heart-Shaped Wood-Stake Fish Traps from Kupreanof Island, Alaska
- 4:15 Madonna L. Moss—Cape Addington Rockshelter: Occupation of the Rugged Seacoast of the Outer Prince of Wales Archipelago, Alaska
- 4:30 Linda Finn Yarborough—Dietary Remains from a Late Nineteenth Century Alaska Native Home Site in Seward, Alaska

[172] General Session ■ **Paleoindian Studies**

Room: 612 (CC)

Chair: Robson Bonnicksen

## Participants:

- 1:00 Donald A. Dorward and David J. Meltzer—History and Historical Archaeology at the Folsom Type Site, New Mexico
- 1:15 Marcel Kornfeld, Jonathan Durr and Michael Harkin—Peopling of the Americas: Evaluating and Building Theories
- 1:30 Alan L. Bryan, Jiri Chlachula and Ruth Gruhn—Artifacts in and Beneath Late Wisconsin Glacial Deposits in Calgary, Alberta
- 1:45 Melissa Darby—Meat and Wapatos: The Post-Glacial Distribution of *Sagittaria latifolia* in North America and the Implications of this with Regard to the Diet of Late Pleistocene, Early Holocene Hunter-Gatherers
- 2:00 Richard Boisvert—The Israel River Complex: A Paleoindian Manifestation in Northern NH
- 2:15 Carol Landefeld and Kenneth Tankersley—Taphonomic Comparisons of Cultural and Noncultural Faunal Deposits at Late Pleistocene Cave Sites in Eastern North America
- 2:30 John E. Lodbell, Stanley D. Davis, Joel D. Irish and Federico A. Solorzano—Preliminary Evidence of Late Pleistocene Human Occupation in Central Mexico
- 2:45 Break
- 3:00 Pei-Lin Yu—Solo casando o todo recolectando? Weighing Alternate Models of South American Paleoindian Subsistence
- 3:15 W. Karl Hutchings—The Identification of Paleoindian Fluted Point Delivery Technology through the Analysis of Precursory Loading Rate
- 3:30 Jason M. LaBelle—Panhandle Paleoindians: New Data from the W. E. Baker Collection
- 3:45 Philippe D. LeTourneau, M. Steven Shackley and Tony Baker—Folsom Period Obsidian Use in New Mexico
- 4:00 Jack H. Ray, Edwin R. Hajic and Neal H. Lopinot—Stratified Clovis and Dalton Components at the Big Eddy Site, Southwest Missouri
- 4:15 James A. Donohue—The Chronology of the Jim Pitts Site and Implications for

- the Temporal Placement of the Goshen-Plainview Complex in the Northwestern Plains
- 4:30 Michael R. Brever—The Mesa Site and Paleoindian Technology: Unscrambling the Pleistocene Prehistory of Alaska

[173] General Session ■ **Zooarchaeology**

Room: 310 (CC)

Chair: Steven R. James

## Participants:

- 1:00 Andres Sebastian Munoz—Ungulate Exploitation by Hunter-Gatherers from Southern Patagonia (Late Holocene)
- 1:15 Mariana De Nigris—The Impact of Cooking on Bone Modification
- 1:30 Matthew E. Hill Jr.—Something to Stew over: Ethnohistoric Evidence and Archaeological Interpretation of Bone Grease Production
- 1:45 Maria A. Gutierrez, Christina Nielsen-Marsh, Gustavo Martinez, Eileen Johnson and Gustavo Politis—Comparative Bone Diagenesis in the Rio Quequen Middle Basin (Pampas of Argentina)
- 2:00 Nora Mariana Mondini—Taphonomic Analyses of Bone Contents in Modern Carnivore Scats from the Argentinean Puna
- 2:15 Michelle Loyet—Small Ungulate Butchery in the Islamic Period, Tell Tuneinir, Syria
- 2:30 Break
- 2:45 Marshall I. Weisler, Chris Lalas, and Paul Rivett—New Perspectives on Fishing in Prehistoric New Zealand
- 3:00 Jack M. Broughton—Diet Breadth, Foraging Efficiency, and Prehistoric Human Impacts on a California Sturgeon Population: Evidence from the Emeryville Shellmound Ichthyofauna
- 3:15 Tristram R. Kidder—The Use of Fish Otoliths to Assess Pre-Contact Settlement Organization along the Northern Gulf Coast
- 3:30 William Belcher—Fish Remains of the Baluchistan and Indus Valley Traditions of Pakistan and Northwest India
- 3:45 Garth Sampson—Amphibians in the Diet of Late Holocene Hunter-Gatherers in Central South Africa
- 4:00 Steven R. James and Kuang-Ti Li—Impacts of Prehistoric Agricultural Societies on the Environment: Effects on Animal Populations in Habitat Islands
- 4:15 Kubatbek Tabdiyev—Burials of House Animals at Middle Age Barrows of Kyrgyzstan

[174] General Session ■ **Prehistory of the Midwest**

Room: 611 (CC)

Chair: Lori Stanley

## Participants:

- 1:00 Steven T. Kut and Jane E. Buikstra—Calibration of C-14 Dates in the Lower Illinois River Valley
- 1:15 Mark Anderson—Application of Computer Scanned and Manipulated Aerial Photographic Images During Archaeological Survey: Investigating Mounds in Northeast Iowa
- 1:30 Robert Cook—Trial by Fire: A Heating Experiment at a Reconstructed Fort Ancient Site
- 1:45 Lori Stanley—A Resurvey of Petroglyph Sites in Northeastern Iowa
- 2:00 Stephen Ball—Geophysical Data as Archaeological Evidence: A Middle Mississippian Example
- 2:15 Jenna T. Kuttruff, Gail DeHart and Michael J. O'Brien—Analysis of Perishable Remains from Arnold Research Cave, Missouri: Fibers, Fabrics and Footwear
- 2:30 Joseph A. Vradenburg—Skeletal Biology of Late Prehistoric, La Crosse Area Oneota Populations: Evaluating Archaeological Hypotheses
- 2:45 Break
- 3:00 Lauren Sieg—New Ideas for Ancient Behavior: A Reconsideration of Hopewell Trade

- 3:15 Douglas K. Charles—Women, Men, and the Hopewell Climax  
 3:30 Jacqueline McDowell, Gregory Walz, Brian Adams, Paul Kreisa and Kevin McGowan—The Stemler Bluff Site: A View of the Southern American Bottom Periphery  
 3:45 Gregory Walz, Brian Adams, Paul Kreisa, Kevin McGowan and Jacqueline McDowell—The Strong Site: An Early Middle Archaic Encampment in the Uplands above the Southern American Bottom, Monroe County, Illinois  
 4:00 Colleen Delaney-Rivera and Mark W. Allen—Audrey North and Mississippian/Late Woodland Interaction in the Lower Illinois River Valley  
 4:15 Stephen C. Lensink—The Transition to Nucleated Village Life on the Eastern Edge of the Great Plains  
 4:30 Lawrence Conrad—Observations on the Occurrence of Knife River Flint in Western Illinois

[175] General Session ■ **Political, Public and Management Issues in Archaeology**

Room: 602 (CC)

Chair: Debbie Wallsmith

**Participants:**

- 1:00 Raul Matadamas Diaz—Proyecto arqueológico PROCEDE en Oaxaca, Mexico  
 1:15 Nelly Robles Garcia and Jack Corbett—Cultural Resources Management in Mexico: Dilemmas and Strategies  
 1:30 Karen Olsen Bruhns—Consequences: When an Academic Paper Becomes Part of a Political Battle  
 1:45 Dolores Elkin—Underwater Archaeology in Argentina—State of the Art  
 2:00 Yasushi Nishimura and Dean Goodman—Joint Research Project: The Agency of Cultural Affairs, Japan/Cambodian Government at Angkor  
 2:15 Christian E. Guksch—A Gold Mine, the Environment, Archaeological Sites, and a Nationalistic Archaeology in Kyrgyzstan  
 2:30 Paula Lazros—Cultural Attitudes vs Cultural Resources: Thoughts on How to Strengthen Cultural Resource Legislation  
 2:45 Brent Weisman—Archaeology at the Crossroads: New Directions in Transportation Archaeology in Florida  
 3:00 Thomas Hester—The Destruction of Ancient Texas

[176] General Session ■ **Material Culture Studies in the Southwest**

Room: 603 (CC)

Chair: Kelley Hays-Gilpin

**Participants:**

- 1:00 Ronald L. Bishop, Daniela Triadan, M. James Blackman and Eduardo Gamboa-Carrera—Production and Distribution of Polychrome Ceramics in the Casas Grandes Region, Chihuahua, Mexico  
 1:15 Maria Sprehn—Pottery and the Organization of Production in Casas Grandes, Chihuahua, Mexico—Preliminary Results  
 1:30 Emiliano Gallaga Murrieta—The Polychrome Ceramics from the Site "Cerro de Trincheras," Sonora, Mexico  
 1:45 Deborah Huntley, Nancy Mahoney and Keith Kintigh—Modeling Cibolan Community Interaction through Ceramic Compositional Analysis  
 2:00 Ann F. Ramenofsky and Gerry R. Raymond—Population Change and Time: Assessing the Reliability and Validity of Biscuit and Sankawi Ceramics from the Lower Chama, New Mexico  
 2:15 David R. Abbott—Shifting Scales of Production: Hohokam Ceramics from the Sedentary and Classic Periods  
 2:30 Break  
 2:45 Melissa Powell—A View from the Surface: Survey and Ceramics in the Upper Pecos Valley, New Mexico  
 3:00 Robert Rowe—The Ceramic Disks of Scorpion Village: Not Just for Spindle Whorls Anymore

- 3:30 Michelle Cook—The Mogollon Tcamahia  
 3:45 Sally Bird—Technological Comparison of Ground Stone between Site Occupations: Late Pithouse to Early Pueblo  
 4:00 Doug Mitchell and Michael Foster—Shell Exploitation in the Sea of Cortez: A Reconnaissance Survey of Puerto Penasco, Sonora, Mexico  
 4:15 Linda Stephen Neff—Yarn Production Specialization and Its Implications on Sinagua Social Organization  
 4:30 Laurie V. Slawson—Turquoise Traders of the Silver Bells

[177] General Session ■ **Prehistoric Southwest**

Room: 620 (CC)

Chair: James E. Snead

**Participants:**

- 1:00 Jim Huffman and Laurie D. Webster—In the Footsteps of Byron Cummings: An Annotated Chronology of Fieldwork, 1906–1930  
 1:15 Ronald H. Towner, Patricia M. Hancock, Lori Stephens Reed, John A. Torres—The Athapaskan Entry into the Southwest: New Data and New Interpretations  
 1:30 A. C. MacWilliams and G. Michael Jacobs—Gila Pueblo Research in Chihuahua  
 1:45 Genevieve Head—Plains Sojourners? Prehistoric Plains Presence in the Upper Pecos Valley  
 2:00 E. Charles Adams, Charla Hedberg and Jill Keyes—Adrift in Time: Driftwood Use at Homol'ovi I and Implications for Interpreting the Archaeological Record  
 2:15 Thomas N. Motsinger, Douglas R. Mitchell and Richard V. N. Ahlstrom—The Enigmatic Prescott Culture: New Conference, New Chronology  
 2:30 J. David Kilby—Understanding the Cultural and Natural Filling of Kiva Depressions: A Geoarchaeological Approach  
 2:45 Patrick Lyons—Using Ceramic Decorative and Technological Style to Reconstruct Prehistoric Hopi Migrations  
 3:00 Timothy M. Kearns—In and Out, Up and Down: Basketmaker and Early Pueblo Settlement in Tohatchi Flats, New Mexico  
 3:15 Ross Curtis—A Re-Evaluation of the Late Basketmaker II Period in the Durango Area: Hiatus or Investigative Bias?

**SUNDAY MORNING, MARCH 29, 1998**

[178] Symposium ■ **Ideology: Costs and Returns**

Room: 605/610 (CC)

Organizers and Chairs: Elizabeth DeMarrais and John Steinberg

**Participants:**

- 8:00 Elizabeth DeMarrais—Ideology, Scale, and Political Integration in the Pre-Hispanic Valle Calchaqui, Northwest Argentina  
 8:15 Richard Lesure—Ceramic Artifacts and Ideological Transformations in Early Formative Chiapas, Mexico  
 8:30 John Schoenfelder—New Dramas for the Theatre State: The Shifting Roles of Ideological Power Sources in Balinese Politics  
 8:45 Christopher Chippindale—Small Marks on Rocks, Large Marks with Rocks: Rock Art and Monumental Construction in Later Prehistoric Europe  
 9:00 Kristina Kelertas and Gail Elizabeth Eby—Ideology and Subsistence: Reflections on the Cultural Landscape of Neolithic Denmark  
 9:15 Rudi Colloredo-Mansfeld—When Conspicuous Consumption is a Sign of Failure: Big Houses, Elite Authority, and the Problem of Ethnic Unity in Modern Ecuador  
 9:30 Susan Phillips—The Economics of Race in Chicano Gang Culture

9:45 John Steinberg—Monumental Labor: Consumption or Investment?

10:00 Elizabeth Brumfiel—Discussant

[179] Symposium ■ **The Organization of Labor in Chipped Stone Manufacture and Use**

Room: 618/619 (CC)

Organizer and Chair: Eric Kaldahl

Participants:

8:00 Steven Kuhn—Labor Organization and Tool Production in the Upper Pleistocene of Eurasia

8:15 Steven Rosen—Dissecting the Site: Spatial Analysis of an Epipaleolithic Site in the Negev

8:30 Douglas Bamforth—Context of Manufacture and Artifact Typology: Paleoindian Projectile Points from the Allen Site

8:45 Catherine Perles—Organization of Production and Distribution of Skills: from the Late Palaeolithic to the Neolithic

9:00 Eric Kaldahl—A Flintknapping Perspective on Pueblo IV Social Reorganizational Processes along the Mogollon Rim in Arizona

9:15 Melody Pope—Agriculture, Labor and Chipped Stone Industries at an Uruk Town in Southern Mesopotamia

9:30 William Parry—Spatial Structure of Obsidian Working in the Aztec City-State of Otumba, Mexico

9:45 George Odell—Protohistoric Site Structure: On the Trail of La Harpe's 1719 Journey to Oklahoma

10:00 Steve Brandt—Interpreting Variability in the Technological Organization of Contemporary Scraper-Using Hide Workers of Southern Ethiopia

10:15 Peter Bleed—Trees or Chains, Limbs or Branches: Conceptual Alternatives for Consideration of Tool Production and Use

10:30 Barbara Luedtke—Discussant

[180] Symposium ■ **Archaeology as Anthropology at the American Museum of Natural History, 1890–1925**

Room: 612 (CC)

Organizer and Chair: James E. Snead

Participants:

8:00 David H. Thomas—The Natural History Model of Anthropology: Paradigms Lost

8:15 Martha Graham—Lumholtz' "Unknown Mexico": Developing an American Anthropology at the American Museum of Natural History

8:30 J. Andrew Darling—Ales, through the Looking Glass: The Formative Years of an Hrdlickian Anthropology

8:45 James Krakker—Contributions of Harlan I. Smith to Michigan Archaeology

9:00 Valerie Pinsky—Visions of Anthropology: Boas and Putnam at the American Museum of Natural History, and the Definition of Anthropological Archaeology

9:15 Henry Wright—Gerard Fowke: An American Archaeologist in Asia

9:30 Andrew K. Balkansky—Saville and the Beginnings of Scientific Archaeology in Oaxaca

9:45 Don Fowler—AMNH and USNM vs. AIA and SAR: The Battle for Control of Chaco Canyon, 1900–1930

10:00 James E. Snead—Escaping the "Chaos of Facts": Wissler, Nelson, and the Chronological Revolution in Southwest Archaeology

10:15 David J. Meltzer—Discussant

[181] Symposium ■ **Indigenous Responses to Colonial Encounters: Archaeological Explorations of Contact between Europeans and Indigenous Peoples at Varying Levels of Social Complexity**

Room: 608 (CC)

Organizers: Kenneth Kelly and Rita Shepard

Chair: Kenneth Kelly

Participants:

8:00 Rita Shepard—Natives, Missionaries, and Entrepreneurs: Agents of Change in 19th Century Western Alaska Interaction Arenas

8:15 Deni Seymour—The Effects of Sustained Contact in the Southwestern U.S.

8:30 Miranda Warburton—When is a Navajo? Cultural Conservatism through Incorporation

8:45 Ann Cody-Holdren—"Caraibe" Ethnogenesis

9:00 Laurel Breece—Continuity and Change: An Archaeological Assessment of the Indigenous Response to Spanish Colonization in Central Panama

9:15 Lynn Gamble—Resistance and Acquiescence: The Chumash Response to Spanish Contact

9:30 Kenneth Kelly—Masters of Opportunity: Political and Economic Responses to European Contact on the West African Coast

9:45 James Delle—Discussant

[182] Symposium ■ **Culture and Landscape in the North American Interior Far West**

Room: 606 (CC)

Organizers: Thomas J. Connolly and Charles M. Hodges

Chair: C. Hodges

Participants:

8:00 Alex Bourdeau—Cheadle Marsh: Mud, Magnets and Meanders

8:15 Charles M. Hodges—Holocene Landscape Changes in Lower Mill Creek, Central Willamette Valley, Oregon

8:30 Thomas J. Connolly and Dorothy Freidel—Alluvial Stratigraphy of the Noti-Veneta Vicinity, and Implications for the Holocene Cultural Record, Willamette Valley, Oregon

8:45 Dorothy E. Freidel and Brian L. O'Neill—Holocene River Terracing and Human Occupation along the North Umpqua River, Oregon

9:00 Elizabeth Scharf—Identifying Human Contributions to Landscape Change in Eastern Washington: Factors in Designing a Research Project

9:15 Jerry R. Galm, Stan Gough and Fred Nials—Late Quaternary Archaeological Landscapes of the Columbia Plateau

9:30 Dennis L. Jenkins—Culture History and Holocene Wetland Environments of the Northern Great Basin

9:45 Jill Onken—Landscape Change and Archaeology of the Domenigoni-Diamond Valleys, South-Central California

10:00 Alston V. Thoms—Discussant

10:15 Peter J. Mehringer—Discussant

[183] Symposium ■ **The Sequim Bypass Archaeological Project and Its Place in Western Washington Prehistory**

Room: 604 (CC)

Organizer and Chair: Vera Morgan

Participants:

8:00 Kenneth M. Stone—Working Together: Archaeologists and Engineers Achieve Data Recovery under a Tight Schedule

8:15 Stan Gough, Peter Wigand and Dale Stradling—The Environmental Setting of Site 45CA426

8:30 Glenn Hartmann—The Olcott Component at 45CA426

8:45 Vera Morgan—The Locarno Beach Occupation at Site 45CA426

9:00 Sara Walker—Quartz Crystal Microblade Use at Site 45CA426

9:15 Judy L. Donald—An Examination of the Slate Assemblage at 45CA426

- 9:30 Ryan Ives—Examination of Burned-Rock Features at 45CA426, Locus C  
 9:45 Judith L. Harpole and R. Lee Lyman—Mammalian Fauna from 45CA426  
 10:00 Nancy Stenholm—Archaeobotanical Remains from the Sequim Bypass Site, 45CA426  
 10:15 Kathy Duncan—The Jamestown S'Klallam Tribe and the Sequim Bypass Archaeological Project  
 10:30 Gary Wessen—Discussant  
 10:45 Julie K. Stein—Discussant

[184] Symposium ■ **Studies of Site Abandonment Processes in Middle America**  
**Room: 609 (CC)**

**Organizers and Chairs:** Ronald Webb and Takeshi Inomata

**Participants:**

- 8:00 Ben A. Nelson—Abandonment as Continuity: The End of Epiclassic La Quemada  
 8:15 Ronald Webb and Kenneth Hirth—Xochicalco and the "Pompeii Premise"  
 8:30 Patricia Plunket and Gabriela Urnuela—Rapid Site Abandonment: The Case of Tetimpa, Puebla, Mexico  
 8:45 Robert Santley—Sequences of Abandonment in the Tuxtla Mountains, Southern Veracruz, Mexico  
 9:00 Charles Suhler, Traci Ardren and David Freidel—Does Anybody Ever Abandon Anything Willingly? Continuing Research on Context and Meaning in the Archaeological Record  
 9:15 Jim Aimers—Abandonment and Non-Abandonment in the Belize Valley  
 9:30 Joel Palka—Differential Processes of Abandonment through Social Rank and Status at the Classic Maya Site of Dos Pilas, Peten, Guatemala  
 9:45 Takeshi Inomata—Site Abandonment Processes at Aguateca, Guatemala  
 10:00 Brian Ross McKee—Abandonment Processes at the Ceren Site, El Salvador  
 10:15 Frederick Lange—Variations in Site Abandonment in Lower Central America  
 10:30 Catherine M. Cameron—Discussant  
 10:45 Linda Manzanilla—Discussant

[185] Symposium ■ **Prehistoric Landscapes and Human Settlement in Micronesia**  
**Room: 607 (CC)**

**Organizers and Chairs:** David J. Welch and Brian M. Butler

**Participants:**

- 8:00 David J. Welch and Stephen Wickler—The Formation of Late Prehistoric Traditional Palauan Villages  
 8:15 Richard K. Olmo—Exploration of Geological Influences on Prehistoric Sites, Babeldaob, Republic of Palau  
 8:30 Jerome V. Ward, J. Stephen Athens and Carol Hutton—Holocene Pollen Records from Babeldaob Island, Palau, Western Caroline Islands  
 8:45 Michael W. Kaschko—Fortified Hilltops, Black Pottery, and Early Settlement in Palau  
 9:00 David Tuggle and Jolie Liston—The Terraces of Palau: New Information on Function and Age  
 9:15 Brian M. Butler—No Stone Unturned: Late Prehistoric Settlement in the Mariana Islands

[186] Symposium ■ **East of Eden: Pleistocene Hunter-Gatherers in the Eurasian Hinterlands**

**Room: 307/308 (CC)**

**Organizers and Chairs:** Ted Goebel and Deborah Bakken

**Participants:**

- 8:00 Roy Larick and Russell L. Ciochon—Asian Pathways for Early African Emigrants  
 8:15 Geoffrey G. Pope—The New Dates for the Earliest Hominids in the Far East Are Wrong

- 8:30 Weiwen Huang—Advances in Understanding the Initial Colonization of Southern East Asia  
 8:45 Qi Wei—Evidence for Early Pleistocene Human Occupation in the Nihewan Basin, North China  
 9:00 Deborah Bakken—Ungulate Mortality Profiles and Collection Agents at the Middle Pleistocene Hominid Site at Hexian, China  
 9:15 Michael Waters—The First Siberians: Geoarchaeological Studies at Diring Yuriakh  
 9:30 Ted Goebel—The Siberian Upper Paleolithic: Hard Environments, Limiting Factors, and Human Range Expansion into Northern Asia  
 9:45 Mietje Germonpre—Faunal Remains from Some Transbaikian Sites: An Analysis of Bone Representation and Bone Modification in the Early Upper Palaeolithic of Eastern Siberia  
 10:00 Fumiko Ikawa-Smith—Peopling of the Japanese Archipelago  
 10:15 Robert G. Elston, Jeffery P. Brantingham, Jingzen Li, Robert L. Bettinger and David B. Madsen—Temporal and Spatial Distributions of Key Technologies in the Late Paleolithic of Northeast Asia  
 10:30 John Hoffecker—Neanderthal Adaptations in Eastern Europe  
 10:45 Anthony Marks—The Middle/Upper Paleolithic Boundary in the Crimea: A Truly Complex Picture  
 11:00 Deborah Olszewski—The Late Pleistocene in the Zagros Mountains: The Zagros Aurignacian  
 11:15 Ariane Burke—Faunal Evidence for Variable Site Function During the Mousterian, in Western Crimea, Ukraine

[187] Sponsored Symposium ■ **Columbia Plateau Archaeology: Synthesis and Application** (Sponsored by Association for Washington Archaeology)  
**Room: 611 (CC)**

**Organizers and Chairs:** Steven Hackenberger and Brent Hicks

**Participants:**

- 8:00 Steven Hackenberger and Robert L. Sappington—Current Affairs in Columbia Plateau Archaeology  
 8:15 Kenneth C. Reid—Middle Holocene Adaptations in the Eastern Blue Mountains and Hells Canyon Region of Oregon and Idaho  
 8:30 Tom Roll—Eastern Plateau Archaeology: History and Synthesis  
 8:45 Brantley Jackson—Always Carry Your Digging Permit  
 9:00 Paul R. Nickens and Mona K. Wright—Management and Protection of Archaeological and Other Cultural Sites on the Hanford Cultural Landscape  
 9:15 Glenn Hartmann and Stan Gough—Archaeological Investigations on the Upper Columbia River in Northeastern Washington: Survey and Preliminary Excavations in the Grand Coulee Dam Project  
 9:30 James C. Chatters—Discussant

[188] Symposium ■ **From Campus to Corporation: The History of Contract Archaeology in the Southwest**

**Room: 602 (CC)**

**Organizers:** Heidi Roberts and Richard Ahlstrom

**Chair:** Heidi Roberts

**Participants:**

- 8:00 Heidi Roberts and Richard Ahlstrom—Shades of Gray: Contract Archaeology's Contribution to Southwestern Research  
 8:15 A. E. (Gene) Rogge—Little Archaeology, Big Archaeology Revisited  
 8:30 Linda M. Gregonis and Kaaren K. Hardy—The Evolution and Continuing Roles of the State Historic Preservation Offices in the Four-Corner States  
 8:45 Herrick E. Hanks—The Framing of a Holistic CRM Program in the Greater Southwest: A Historic Perspective on the Development and Implementation of the BLM's Cultural Resources Management Program in the 1970's

- 9:00 Bettina Rosenberg—Is More Better: Archaeological Salvage and Historic Preservation along Arizona's Highways  
 9:15 Cory Dale Breternitz—Growing Up with CRM in the Southwest: A Personal Account of the Evolution of CRM from Campus to Corporation  
 9:30 Margerie Green—The Prehistory of Archaeological Consulting Services, Ltd.  
 9:45 R. Thomas Euler—Archaeology, Cultural Resources Management, and Money  
 10:00 Jeffrey Altschul—The Impact of Big CRM Projects on Southwest Archaeology

- 10:15 Cherie Scheick—Rejecting False Dichotomies: Working Together for the Discipline's Students  
 10:30 William H. Doelle—"Digging for Dollars" Versus "Holding the Past in Trust"

[189] Symposium ■ **Eight Is More than Enough: Archaeological Consequences of Evolution in Temporally Variable Environments**

Room: 310 (CC)

Organizers: Kimberly Kornbacher, Sarah Sterling and Mark Madsen

Chairs: Kimberly Kornbacher and Sarah Sterling

Participants:

- 10:00 Michael D. Cannon, Mark Madsen and Carl Lipo—"Wasteful" Behavior in Evolutionary and Ecological Perspective  
 10:15 Diana Greenlee and Robert Dunnell—Accounting for Variability in Late Woodland Period Waste Reduction in the Ohio River Valley  
 10:30 Carl P. Lipo, Mark E. Madsen and Michael Cannon—When Will "Wasteful" Behavior Occur?  
 10:45 Sarah Sterling—Evolutionary Implications of Increased Environmental Unpredictability and Cultural Elaborations in Old Kingdom Egypt  
 11:00 Kimberly Kornbacher—Moche Monumental Construction: Building Archaeological Counting Units for Investigating "Waste" on the Northern North Coast of Peru  
 11:15 Fran Hamilton—Early Evidence of Waste in Eastern North America  
 11:30 Terry Hunt—Discussant

[190] General Session ■ **Southwestern Subsistence**

Room: 613/614 (CC)

Chair: Sylvia Gaines

Participants:

- 8:00 David C. Hyland, James M. Adovasio and R. E. Taylor—Corn, Cucurbits, Coiling, and Colonization: An Absolute Chronology for the Appearance of Mesoamerican Domesticates and Perishables in the Jornada Basin, New Mexico  
 8:15 Sylvia Gaines and Warren Gaines—Households Make the Difference: Entity-Based Simulation of Multi-Year Environments and Buffering Strategies of Small Sites  
 8:30 Regina L. Chapin-Pyritz—An Intrasite Comparison of Subsistence Strategies from the Hopi Site of Awatovi  
 8:45 Helga Wocherl—Faunal Exploitation and Refuse Disposal in Early Farming Settlements of the Southern Southwest  
 9:00 Michael A. Etnier—Post-contact Dietary Change at Lower Pescado Village, New Mexico  
 9:15 Jennifer R. Rinker and James A. Neely—Habitation Sites and Upland Canal Irrigation in Left Hand Canyon, Safford Valley, Southeastern Arizona  
 9:30 James A. Neely and Joseph S. Cray—The Marjilda Canyon Canal: A Complex Irrigation and Domestic Water System in the Safford Valley, Southeastern Arizona  
 9:45 Jack Smith and Kenneth Wright—A Multidisciplinary Study of Prehistoric Water Management in the Mesa Verde Culture Area: Results of Recent Investigations  
 10:00 Janet L. McVickar and Susan J. Smith—A Walk on the Wild Side:

Examination of Plant Remains from the Cove-Red Valley Region of Northeastern Arizona

- 10:15 Alan Osborn—"Eating the Trees"—Prehistoric Nutrition, Cooking Technology, and Fuelwood Use in the Highlands of the American Southwest  
 10:30 Margaret Howard—Plant Processing and Exchange at the Wind Canyon Site, Eagle Mountains, Far West Texas

[191] General Session ■ **Historic Europe**

Room: 310 (CC)

Chair: Cynthia Zutter

Participants:

- 8:00 Neil Price—Gamla Uppsala: Exploring a Viking-Age Monumental Landscape  
 8:15 Carl Blair—Excavations at Low Birker: Medieval Iron in Context  
 8:30 Cynthia Zutter—A Millennium of Human Transformation and Environmental Change in Iceland  
 8:45 Kevin P. Smith, Alexander T. Dixon, Karl Gronvald, Elizabeth G. Hamilton and Thomas Amorosi—Gone With the Wind? 1,100 Years of Changing Land-Use Patterns in Western Iceland

[192] General Session ■ **Ethnoarchaeology**

Room: 303 (CC)

Chair: P. Nick Kardulias

Participants:

- 8:00 Hélène Wallaert—Manual Laterality Apprenticeship as First Learning Rule Prescribed to Potters: A Case Study in Handmade Pottery from Northern Cameroon  
 8:15 Lynn Swartley—Ethnographic Contributions to Archaeology: Raised Field Agriculture in the Lake Titicaca Basin of Bolivia  
 8:30 Nesta J. Anderson—Conversations and Excavations: The Ethnoarchaeology of an Afro-Bahamian Houseyard  
 8:45 P. Nick Kardulias—The Ethnoarchaeology of Adaptation on Arid Islands: A Study of Herders on Dokos, Greece  
 9:00 John T. Murphy and Richard W. Yerkes—Exploring the Relationship between Site Size and Population: A Test Case from Central Cyprus

[193] General Session ■ **Archaeologists and Native Americans**

Room: 201 (CC)

Chair: Tanja Hoffman

Participants:

- 8:00 Cristobal Gnecco—Archaeologists and Native Americans: The Chimera of a Dialogue of Knowledges  
 8:15 Claudia Nissley—Consultation with Native Americans: Protocol and Process  
 8:30 Terri McBride—Strengthening Archaeology through American Indian Oral Histories and Interdisciplinary Research: A Pragmatist Approach  
 8:45 Lucy Whalley and Marcus Griffin—Integrating Native American Consultation into Federal Cultural Resources Management  
 9:00 Ginny Newton—Ethnohistoric Research and Traditional Cultural Properties Analysis: Establishing Protocol for Traditional Cultural Properties Inventories in Central Arizona  
 9:15 Tanja Hoffman—Out of Time: First Nations, Archaeologists, Human Remains and the Consultation Crisis at Craig Bay, B.C.  
 9:30 Glenn W. Sheehan, Richard E. Reanier and Anne M. Jensen—Deering Alaska: Managing Buried Resources through Mediation  
 9:45 Anne M. Jensen—Point Hope's Cultural Resources: Current Status and Future Prospects

## [194] General Session ■ Recent Fieldwork in the Maya Region

Room: 204 (CC)

Chair: Jaime Awe

## Participants:

- 8:00 Tracy L. Sweely and Patricia Cook—Where to Dig and Where Not to Dig: Comparative Results from an EMI Investigation and Excavation of a Prehistoric Maya Residence
- 8:15 Steven McDougal—Archaeological Investigations at Ballcourt 2, Dos Hombres, Belize
- 8:30 Owen Ford—Preliminary Results of Excavations at the Ballcourt at the Maya Center of Chan Chich, Belize
- 8:45 Michael P. Smyth—Early Classic Settlement at the Puuc Region, Yucatan, Mexico: A Report on the 1997 Chac Archaeological Project
- 9:00 Catherine C. Hanratty—Excavations in the Structure 37 Courtyard
- 9:15 Hector Escobedo and Stephen Houston—Exploring Piedras Negras, a Classic Maya City: The 1997 Field Season
- 9:30 Robert Lichtenstein and Robert Baker—Survey and Excavation in the Settlement Zone of the Blue Creek Ruin
- 9:45 Hubert Robichaux and Brett Houk—Excavations on the Upper Plaza at Chan Chich, Belize: Insights into Ancient Maya Middle Preclassic Community Formation and Late Preclassic Community Leadership
- 10:00 Antonia Foias—Life at the End: Settlement and Politics at La Amelia, Pasion Region, Guatemala, at the End of the Classic Period in the Maya Southern Lowlands

## [195] General Session ■ Pacific Island Archaeology

Room: 607 (CC)

Chair: William S. Ayres

## Participants:

- 9:45 David J. Addison—Marquesas Agriculture: Results of Survey and Excavation at Hitihe'u Valley, Nuku Hiva, Marquesas Islands, East Polynesia
- 10:00 Melinda S. Allen—Ancestral Environments and Local Adaptations in the Marquesas Islands, French Polynesia
- 10:15 Barry Rolett, Jennifer Kahn, Mike Carson and Eric West—Monumental Architecture and Cultural Landscapes in the Marquesas Islands (East Polynesia)
- 10:30 David Steadman, Susan Anton and Lynette Norr—Trouble in Paradise: Ritualistic Use of Ana Manuku, a Prehistoric Cave Site on Mangaia, Cook Islands
- 10:45 Heidi Lennstrom—Environmental Change and Resource Utilization in North Halawa Valley, Oahu, Hawaii
- 11:00 Blaze O'Connor, Theng Ladefoged and Michael Graves—Dating the Hawaiian Landscape: An Occurrence Seriation of Residential Structures
- 11:15 Christina K. Paraso and Michael W. Graves—Developing Stylistic Chronologies for Hawaiian Rock Art: An Example from Lana'i
- 11:30 Pohaku Keali'iahonui, Kilohana Duarte and Anne B. Campbell—Ho'ike a maka ka huna 'o Pele: The Structural Relationship between Holua Sledding and Pele

SUNDAY, MARCH 29, TO TUESDAY, MARCH 31, 1998

## [196] Workshop ■ NAGPRA'S Evolving Legacy

Room: East Room A (SS)

Time: 9:00–5:00

Instructors: Sherry Hutt, C. Timothy McKeown, Amanda Murphy

# A

## izona

### Olmec to Aztec

Settlement Patterns in the  
Ancient Gulf Lowlands

Edited by BARBARA  
L. STARK and PHILIP  
J. ARNOLD III

The only recent treatment of the ancient Gulf lowlands that considers the entire prehistory of the region, from the second millennium B.C. to 1519 A.D. "A must for all scholars working in ancient Mesoamerica." —Thomas W. Killion  
Contributors: Philip J. Arnold III, Thomas P. Barrett, Ann Cyphers, Annick Daneels, Barbara Ann Hall, Roberto Lunagómez, Ponciano Ortiz Ceballos, Christopher A. Pool, Maria del Carmen Rodriguez, Robert S. Santley, Barbara L. Stark, Stacey C. Symonds, Christopher von Nagy  
384 pp., 79 illus., published Fall 1997, \$50.00 cloth.



### At the Desert's Green Edge

An Ethnobotany of the Gila River Pima

AMADEO M. REA

The first complete ethnobotany of these desert people, written from the perspective of the Pimas themselves. Entries for 240 plants systematically cover information on economic botany, folk taxonomy, and linguistics.  
430 pp. (9 x 12), 138 illus., published Fall 1997, \$60.00.

### Portraits of Clay

Potters of Mata Ortiz

SANDRA S. SMITH

Casas Grandes pottery, made by hand from local clays and mineral colors by a handful of artists, is a living tribute to pre-Hispanic art. This book documents the potters' techniques and records their reflections on their work.

65 pages, 35 duotones, new for Spring 1998, \$10.95 paper.

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### Prehistoric Sandals from Northeastern Arizona

The Earl H. Morris and Ann Axtell Morris Research  
KELLEY ANN HAYS-GILPIN, ANN CORDY  
DEEGAN, and ELIZABETH ANN MORRIS

The first full published report on one of the largest collections of sandals in all of Southwestern archaeology. Includes an overview of prehistoric Puebloan sandal types and of twined sandal construction techniques.

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The Survey of the Homolovi Ruins State Park  
RICHARD C. LANGE

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eds. Swidler, Dongoske, Anyon, & Downer

*Anyone interested in anthropology or American Indians will enjoy this book. It illustrates the benefits of anthropology and the burdens borne by those who come under anthropology's scrutiny. It shows how anthropologists in the past have acted in their quest for answers about the history of precontact America and documents the changing viewpoints of anthropologists in response to changing situations.*

—Joe Watkins,

*Archaeology Magazine*

December 1997 / 240 pages / 8.5 x 11"

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\$24.95 (SAA member price \$19.96) (91948) (p)

April 1997 / 289 pages / 6 x 9"

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## AWARDS PRESENTATION AND ANNUAL BUSINESS MEETING

MARCH 27, 1998

5 pm

### Call to Order

### Call for Approval of Minutes of the 1997 Annual Business Meeting

#### Remarks

President Vincas P. Steponaitis

#### Reports

Treasurer Robert L. Bettinger

Secretary Lynne Sebastian

Executive Director Tobi A. Brimsek

Editor Mark Aldenderfer (*SAA Bulletin*)

Editor Lynne Goldstein (*American Antiquity*)

Coeditors Gary Feinman and Linda Manzanilla (*Latin American Antiquity*)

William D. Lipe (SAA Delegate, ROPA Board)

5:30 pm

### Presentation of Awards

Presidential Recognition Award

Book Award

Award for Excellence Ceramic Studies

Crabtree Award

Award for Excellence in Cultural Resource Management

Award for Outstanding Dissertation

Fryxell Award for Interdisciplinary Research

Award for Excellence in Lithic Studies

Poster Award

Award for Excellence in Public Education

Public Service Award

Gene S. Stuart Award

Distinguished Service Award

Arthur C. Parker Scholarship

### New Business

### Ceremonial Resolutions

6:15 pm

### Adjournment

## SAA AWARDS

*Awards are presented in alphabetical sequence.*

### Book Award

Established in 1995 to honor a recently published book that has had, or is expected to have, a major impact on the direction and character of archaeological research. The prize was awarded for the first time at the 61st Annual Meeting.

- 1996 Mary C. Stiner
- 1997 Bruce D. Smith  
Carmel Schrire

### Award for Excellence in Ceramic Studies

Initiated in 1994 to recognize excellence by an archaeologist whose innovative research or repeated and enduring contributions have advanced archaeology.

- 1994 Patricia L. Crown  
William A. Longacre
- 1995 Frederick Matson  
Prudence Rice
- 1996 Dean E. Arnold
- 1997 Ronald Bishop  
James Hill

### Crabtree Award

Established in 1985 to recognize significant contributions to archaeology in the Americas made by an individual who has 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.

- 1985 Clarence H. Webb, MD
- 1987 Leonard W. Blake
- 1988 Julian Dodge Hayden
- 1989 J. B. Sollberger
- 1990 Ben C. McCarty
- 1991 James Pendergast
- 1992 Stuart W. Conner
- 1993 Mary Elizabeth Good
- 1994 Leland W. Patterson
- 1995 Jeff Carskadden
- 1996 James H. Word
- 1997 Sidney Merrick Wheeler  
(posthumous) and Georgia Nancy Wheeler Felts

### Award for Excellence in Cultural Resource Management

Established in 1994 to recognize lifetime contributions and special achievements by an archaeologist in one of three areas: program administration and management, site preservation, and research. Each year the award is given in one area on a rotating basis.

- 1994 Hester A. Davis
- 1995 Lawrence E. Aten  
Calvin R. Cummings  
Shereen Lerner  
Charles R. McGimsey III
- 1996 William R. Hildebrandt
- 1997 James J. Miller

### Award for Outstanding Dissertation

Presented to an archaeologist just entering the profession whose doctoral dissertation is judged to be particularly outstanding. The prize consists of life membership in the society.

- 1988 Judith A. Habicht Mauche  
(Harvard University)
- 1990 David J. Bernstein  
(State University of New York at Stony Brook)
- 1991 David Anderson  
(University of Michigan)
- 1992 Lynette C. Norr  
(University of Illinois)
- 1993 Cathy Lebo  
(Indiana University)
- 1994 Mary Van Buren  
(University of Arizona)
- 1995 David R. Abbott  
(Arizona State University)
- 1996 Daniel R. Finamore  
(Boston University)
- 1997 Alvaro Higuera-Hare  
(University of Pittsburgh)

### Distinguished Service Award

Presented annually to a member for specific accomplishments that 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.

SAA decided in 1980 to make the award annually.

- 1975 Carl Haley Chapman  
Charles Robert McGimsey III
- 1980 Gordon Randolph Willey
- 1981 Albert Clanton Spaulding
- 1982 Jesse David Jennings
- 1983 Hannah Marie Wormington
- 1984 James Bennett Griffin
- 1985 Emil Walter Hauri
- 1986 Waldo R. Wedel
- 1987 William A. Ritchie
- 1988 Richard B. Woodbury  
Nathalie F. S. Woodbury
- 1989 George Irving Quimby
- 1990 Fred Wendorf
- 1991 Douglas Schwartz
- 1992 John E. Yellen
- 1993 George J. Gumerman
- 1994 Hester A. Davis
- 1995 Stuart Struever
- 1996 Robert McCormick Adams
- 1997 Dena Dincauze

### Fryxell Award for Interdisciplinary Research

Initiated in 1977 to specially recognize interdisciplinary excellence by a distinguished scientist, who need not be an archaeologist but whose research has contributed significantly to American archaeology. Each year the award is based on practice in one of five disciplines: earth sciences, physical sciences, general interdisciplinary studies, zoological sciences, and botanical sciences. The award, which consists of a citation and a medallion, was named in memory of Roald Fryxell, whose career exemplified so well the crucial role of interdisciplinary cooperation in archaeology.

- 1978 C. Vance Haynes
- 1979 Peter J. Mehringer
- 1980 James B. Griffin
- 1981 Karl W. Butzer
- 1982 David J. Baerreis
- 1983 John E. Guilday (posthumous)
- 1984 (no award)
- 1985 Roger T. Saucier
- 1986 Donald K. Grayson
- 1987 Richard I. Ford
- 1988 David M. Hopkins
- 1989 Joseph B. Lambert
- 1990 Patty Jo Watson
- 1991 Paula Parmalee
- 1992 Richard Yarnell
- 1993 Herbert E. Wright, Jr.
- 1994 Garman Harbottle
- 1995 Robert J. Braidwood

- 1996 Elizabeth S. Wing
- 1997 Vorsila L. Bohrer

### Award for Excellence in Lithic Studies

Established in 1994 to recognize excellence by an archaeologist whose innovative research or repeated and enduring contributions have contributed significantly to archaeology.

- 1994 John Witthoft (posthumous)
- 1995 Harry J. Shafer
- 1996 Jay K. Johnson
- 1997 (no award)

### Poster Award

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, initiated at the 58th Annual Meeting in 1993, is given in two categories: student and professional/non-student.

- 1993 Cynthia Herhahn (Student)  
Virginia Butler and James Chatters (Professional)
- 1994 Alanah J. Woody (Student)  
George R. Miller and James S. Oliver (Professional)  
Dennis E. Lewarch and Laura S. Phillips (organizers, Outstanding Poster Symposium)
- 1995 Tim Hunt, Mark Madsen, and Carl Lipo (Student)  
Brenda J. Baker and Maria A. Liston (Professional)
- 1996 Clinton C. Hoffman (Student)  
Adam King (Student)  
Stephen H. Lekson (Professional)
- 1997 Anastasia Steffen, Rita Moots Skinner, and Ann F. Ramenofsky (Student)  
Judith A. Habicht-Mauche, A Russell Flegal, Stephen Glenn, and Homer Milford (Professional)

### Award for Excellence in Public Education

Began in 1997 to recognize institutions or individuals who bring about an improved public understanding and appreciation of anthropology and archaeology.

- 1997 Brian Fagan

**Presidential Recognition Award**

Instituted in 1990 to permit SAA to recognize individuals who have provided extraordinary services to the society and the profession in the past year. Awardees are determined by the president of the society, in consultation with members of the Executive Board.

- 1990 Jerome A. Miller  
Nathalie F. S. Woodbury
- 1991 Lynne Goldstein  
Rachael Hamilton  
Keith Kintigh  
Loretta Neumann  
Kathleen Reinburg  
David Hurst Thomas
- 1992 Mark Leone  
Jeremy A. Sabloff
- 1993 Jerald Milanich  
Daniel G. Roberts  
Bruce D. Smith  
Vincas P. Steponaitis
- 1994 David S. Brose  
Edward Friedman  
R. Bruce McMillan  
Teresita Majewski  
William H. Marquardt  
Dan F. Morse  
J. Daniel Rogers  
Katharina J. Schreiber  
Dean Snow  
Vincas P. Steponaitis  
Paul Takac
- 1995 Mark Aldenderfer  
Roger Anyon  
Robert Drennan  
Diane Gifford-Gonzalez  
Lynne Goldstein  
Keith Kintigh  
Mark J. Lynott  
Phyllis Messenger, KC Smith,  
and Cathy MacDonald  
Paul Minnis  
Bruce E. Rippeteau  
Alison Wylie  
Melinda A. Zeder
- 1996 Brian Fagan  
Paul Fish and Suzanne K. Fish  
Jonathan Lizee  
Toni Moore  
Carol Shull  
George Stuart
- 1997 Mark Aldenderfer  
David Anderson  
Roger Anyon and T. J. Ferguson  
Keith Kintigh  
Florence Lister  
Donna Seifert  
Joe Watkins

**Public Service Award**

Begun in 1983 to recognize the important contributions of a public figure to the protection and preservation of cultural resources. It is presented regardless of political affiliation to those who have taken a lead or made a major contribution to preserving the past. The awardees have been:

- 1983 Senator Spark M. Matasanaga  
Representative Donald J. Pease
- 1984 Senator James A. McClure
- 1985 Speaker James C. Wright Jr.
- 1986 Secretary of the Interior  
Donald P. Hodel
- 1987 Representative John F. Seiberling
- 1988 Representative Charles E. Bennett
- 1989 Senator Peter V. Domenici
- 1990 Representative Morris K. Udall
- 1991 Secretary of the Interior  
Manuel Lujan, Jr.
- 1992 The Archaeological  
Conservancy
- 1993 Constance Werner Ramirez
- 1994 James Beck  
Deborah Daniels  
Jeffrey Kent  
Larry Mackey  
Scott Newman
- 1995 Grand Canyon Trust
- 1996 Representative Bill Richardson
- 1997 Representative Phil English

**Gene S. Stuart Award**

Initiated in 1994 to enhance public understanding of archaeology and given each year for the best newspaper article or series focusing on archaeology. The award is named in honor of Gene Strickland Stuart, a writer and managing editor of National Geographic Society books who devoted her career to the presentation and interpretation of archaeology in a number of award-winning popular books.

- 1994 Scott LaFee (*San Diego Union-Tribune*)
- 1995 Nathan Seppa (*Wisconsin State Journal*)
- 1996 Matt Crenson (*Dallas Morning News*)
- 1997 (no award)

**PRESIDENTS OF SAA**

A. C. Parker	1935-1936
Diamond Jeness	1936-1937
A. V. Kidder	1937-1938
Edgar B. Howard	1938-1939
Neil Judd	1939-1940
W. C. McKern	1940-1941
Glenn Black	1941-1942
Nels C. Nelson	1942-1943
Emil W. Haury	1943-1944
J. Alden Mason	1944-1945
Carl E. Guthe	1945-1946
Frederick Johnson	1946-1947
Douglas S. Byers	1947-1948
Waldo R. Wedel	1948-1949
J. O. Brew	1949-1950
Frank Roberts, Jr.	1950-1951
James B. Griffin	1951-1952
Irving Rouse	1952-1953
Gordon F. Ekholm	1953-1954
Robert Wauchope	1954-1955
W. Duncan Strong	1955-1956
William A. Ritchie	1956-1957
George I. Quimby, Jr.	1957-1958
Richard B. Woodbury	1958-1959
Jesse D. Jennings	1959-1960
Erik K. Reed	1960-1961
Junius Bird	1961-1962
David A. Baerreis	1962-1963
James A. Ford	1963-1964
Albert C. Spaulding	1964-1965
Paul S. Martin	1965-1966
Joe B. Wheat	1966-1967
Gordon R. Willey	1967-1968
H. Marie Wormington	1968-1969
Ignacio Bernal	1969-1970
Robert Lister	1970-1971
Richard S. MacNeish	1971-1972
Charles C. DiPeso	1972-1973
Douglas W. Schwartz	1973-1974
Charles R. McGimsey III	1974-1975
Stuart Struever	1975-1976
Raymond H. Thompson	1976-1977
Cynthia Irwin-Williams	1977-1979
Fred Wendorf	1979-1981
Richard E. W. Adams	1981-1983
George C. Frison	1983-1985
Don Fowler	1985-1987
Dena Dincauze	1987-1989
Jeremy A. Sabloff	1989-1991
Prudence Rice	1991-1993
Bruce D. Smith	1993-1995
William D. Lipe	1995-1997

## ANNUAL MEETING SITES

- |  |                                 |
|--|---------------------------------|
| 1st Andover, Mass. December 1935   | 59th Anaheim, Calif. April 1994 |
| 2nd Washington, D.C. December 1936   | 60th Minneapolis May 1995       |
| 3rd Milwaukee May 1938   | 61st New Orleans April 1996     |
| 4th Ann Arbor, Mich. May 1939  | 62nd Nashville April 1997       |
| 5th Indianapolis April 1940  | 63rd Seattle March 1998         |
| 6th Minneapolis May 1941   |                                 |
| 7th Cincinnati May 1942  |                                 |
| 8th <i>(Because of travel difficulties and other war-time restrictions, the 1943 annual meeting was conducted by mail by the Executive Committee, whose actions were approved at the next annual meeting.)</i> |                                 |
| 9th Washington, D.C. May 1944  |                                 |
| 10th Washington, D.C. May 1945   |                                 |
| 11th Indianapolis May 1946   |                                 |
| 12th Ann Arbor, Mich. May 1947   |                                 |
| 13th Milwaukee May 1948  |                                 |
| 14th Bloomington, Ind. May 1949  |                                 |
| 15th Norman, Okla. May 1950  |                                 |
| 16th Evanston, Ill. May 1951   |                                 |
| 17th Columbus, Ohio May 1952   |                                 |
| 18th Urbana, Ill. May 1953   |                                 |
| 19th Albany, N.Y. May 1954   |                                 |
| 20th Bloomington, Ind. May 1955  |                                 |
| 21st Lincoln, Nebr. May 1956   |                                 |
| 22nd Madison, Wis. May 1957  |                                 |
| 23rd Norman, Okla. May 1958  |                                 |
| 24th Salt Lake City May 1959   |                                 |
| 25th New Haven, Conn. May 1960   |                                 |
| 26th Columbus, Ohio May 1961   |                                 |
| 27th Tucson, Ariz. May 1962  |                                 |
| 28th Boulder, Colo. May 1963   |                                 |
| 29th Chapel Hill, N.C. May 1964  |                                 |
| 30th Urbana, Ill. May 1965   |                                 |
| 31st Reno, Nev. May 1966   |                                 |
| 32nd Ann Arbor, Mich. May 1967   |                                 |
| 33rd Santa Fe, N.M. May 1968   |                                 |
| 34th Milwaukee May 1969  |                                 |
| 35th Mexico City May 1970  |                                 |
| 36th Norman, Okla. May 1971  |                                 |
| 37th Bal Harbour, Fla. May 1972  |                                 |
| 38th San Francisco May 1973  |                                 |
| 39th Washington, D.C. May 1974   |                                 |
| 40th Dallas May 1975   |                                 |
| 41st St. Louis May 1976  |                                 |
| 42nd New Orleans April 1977  |                                 |
| 43rd Tucson, Ariz. May 1978  |                                 |
| 44th Vancouver April 1979  |                                 |
| 45th Philadelphia May 1980   |                                 |
| 46th San Diego April-May 1981  |                                 |
| 47th Minneapolis April 1982  |                                 |
| 48th Pittsburgh April 1983   |                                 |
| 49th Portland, Ore. April 1984   |                                 |
| 50th Denver May 1985   |                                 |
| 51st New Orleans April 1986  |                                 |
| 52nd Toronto May 1987  |                                 |
| 53rd Phoenix April 1988  |                                 |
| 54th Atlanta April 1989  |                                 |
| 55th Las Vegas, Nev. April 1990  |                                 |
| 56th New Orleans April 1991  |                                 |
| 57th Pittsburgh April 1992   |                                 |
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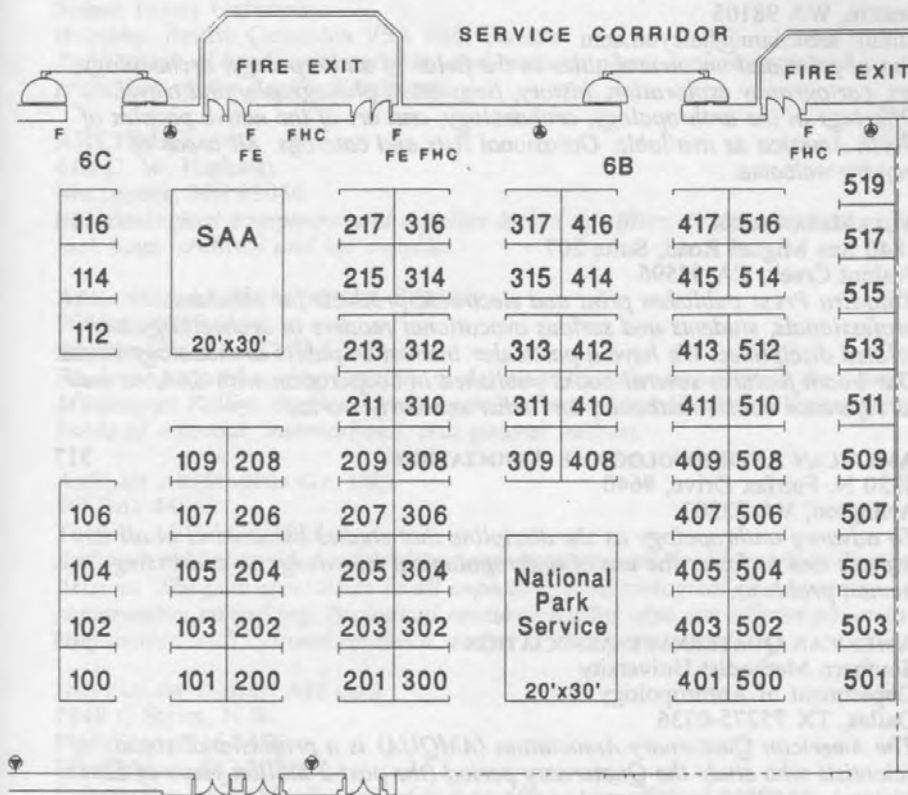
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