



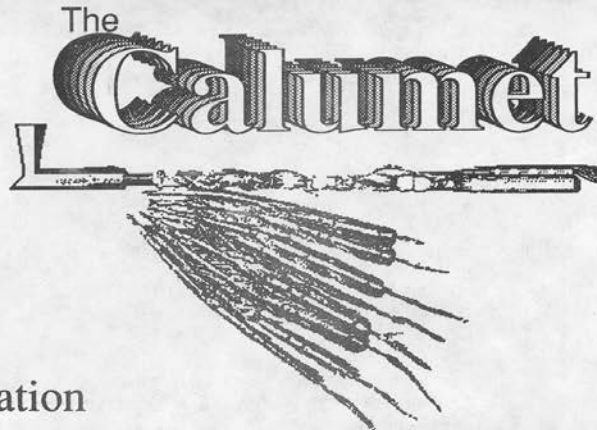
Lyons Chapter  
Colorado Archaeological Society

Conservation

Preservation

Education

Exploration



Calendar of Events

- Mar. 14 The Lyons Chapter Executive Board Meeting, 7:30 P.M. at the home of Anne Hayes, 2525 Briarwood Drive, Boulder, 494-3773.
- Mar. 21 The Lyons Chapter regular membership meeting at 7:30 P.M. in Hellems Room 252 on the CU campus. Our speaker will be Sara Nelson, Professor of Anthropology at the University of Colorado at Denver. Her talk will be on the origin of agriculture in north-east China.
- Mar. 25-31 Field trip to Ute Mountain (Ute Reservation). This trip is being organized by the Pueblo Chapter. The cost is \$225 with all food included. Call Fran Cosyleon (719) 544-3344 for information..
- Apr. 15 Quarterly CAS meeting, Cortez, at the Anasazi Heritage Center.

Inside the Calumet

- Bits & Pieces.....2
- Ex Liber.....3
- PAAC.....4
- Desert Wind.....5
- March Meeting.....6
- Off the Screen.....7
- Application.....8

## Bits & Pieces

from PREZ

NOTE!! Because of CU Spring Break, our Executive Board and regular meeting will be one week earlier.

WORKSHOPS: Enough members have signed up for our workshops on Knapping, Ethno-Botany, and Mapping, to go ahead with these programs. The Knapping Workshop will be held on May 20 and 21. At this writing, dates for the other two have not been set. There will be a small charge, \$5 or \$10 for the workshop.

These workshops are very worthwhile. Lee Lacey will teach the Knapping Workshop. He has a reputation for being one of the best, if not the best knapper in the country. Sue Struthers will teach mapping. Sue is a professional archaeologist, and also gave this workshop last year. We hope to get a naturalist from Boulder's Open Space Program to teach the workshop on Ethno-Botany.

FIELD WORK: Weather has put a damper on our field work, but when it clears we will start again. At our regular meeting we will have sign-up sheets for the following field work:

SURVEY	FIELD DIRECTOR
Beech Property.....	Sue Struthers & Bob Mutaw
Alpine.....	Jean Kindig
Open Space.....	Larry Riggs
Arapahoe Bridge.....	Laura Viola
Boulder County Survey for Henderson Mus..	Ann Pipkins & Louise Derr

ROCKY MOUNTAIN ARCHAEOLOGY: The Rocky Mountain Seminars will give a course on Rocky Mountain Archaeology by Michael S. Burney, June 26 through July 1, Hidden Valley, \$150. Mr. Burney is president of Western Archaeological Consultants. There are a number of other courses given by this seminar, and they can be taken for university credit. If interested, please contact me (447-1947), or write to Seminar Coordinator, Rocky Mountain Nature Association, Rocky Mountain National Park, Estes Park, Colorado 80517.



## Ex Liber by Riggs

The library was fortunate to receive several volumes through the courtesy of Kevin Black and Sue Collins at OAHF. Our collection of the Dolores Archaeological Program (DAP) books is now up to eight with the addition of DAP: *Anasazi Communities at Dolores*; Books 1&2, and DAP: *Final Synthetic Report*. As with other volumes in this series, these are weighty (approaching 1000 pages each), very thorough and up to date research. It's far from light reading, but one would wish that work of this scope had been done more often. Our set is still incomplete, but this goes a long way toward a full set on the DAP. We also received copies of *The River of Sorrows: The History of the Lower Dolores River Valley*; *Technologies for Prehistoric and Historic Preservation*, and *The Seedskadee Project: Remote Sensing in Non-Site Archaeology*. The Seedskadee Project area is in southwest Wyoming, and this report combines the work of several researchers and agencies. Some of the sections address a much larger area, for example, the article entitled *A Cultural History of the Seedskadee Region*, by Arthur K. Ireland, covers the wide variety of point types encountered in the region. For all these, our thanks to Sue and Kevin.

Once again we would like to thank Rick Athearn of the Colorado BLM for updating our collection of Cultural Resources Publications. Some of the earlier volumes of the series have become available recently, which is fortunate for us since the gaps in our collection are mostly in the earlier numbers. Volume II, *A History of the Raton Basin: Las Animas, Huerfano, and Custer: Three Colorado Counties on a Cultural Frontier*, by Robert A. Murray; Volume XII, *The Valley of Opportunity: A History of West-Central Colorado*, and *Archaeology of the High Plains*, by James H. Gunnerson. All these are excellent material on their respective areas with extensive bibliographies. Thank you, Rick. As always, there are most welcome.

Finally, as you may have notices in last month's newsletter, the General Accounting Office has a publication entitled *Problems Protecting and Preserving Federal Archaeological Resources*. The library now has a copy of this. Again, thank you to all the contributors.

-Larry Riggs



# PAAC



## VI. PERISHABLE MATERIALS

- A. Introduction to perishable materials
  1. Definition of perishable materials and examples commonly found in Colorado
  2. The importance of perishable materials and the type of information they may provide
- B. Perishable materials as archaeological evidence
  1. Fauna and flora remains as non-tool material
    - a. Specific information provided through study
      - b. Fauna
        - 1) Identification: bone as an example of perishable material
        - 2) Classification system
        - 3) Animal classes and uses
        - 4) Cultural factors and animal remains
        - 5) Human remains
      - c. Flora
        - 1) Identification of plant remains
        - 2) Classification system
        - 3) Collection of specimen; specialized methods
        - 4) Cultural uses
    2. Culturally altered fauna and flora remains
      - a. Methods of alteration
      - b. Tools and other manufactured materials
  2. Deterioration of perishable materials
    1. Causes of deterioration
    2. Deterioration and field problems
  - D. Preservation
    1. Principles of conservation
    2. Recovery considerations
    3. Use of stabilizers
    4. Packaging

\*\*\*Perishable Materials is an introduction to an often overlooked classification of artifacts. It provides individuals basic information on the recognition of perishables, cultural usage and alteration, and preservation. Not all the material offered will be applicable to every field situation. It is important to maintain at least a marginal working knowledge for the field experience that does involve perishable materials.

### ADDITIONAL INFORMATION: THE COLORADO ARCHAEOLOGICAL SOCIETY

Royal Gorge CHAPTER

(719) 275-9679  
(phone)



Place: Bureau of Land Management  
3170 E. Main  
Canon City

Dates: March 11-12 & 18-19

Times: 10am-4pm

Jeanne Tucker  
(name)

1729 Sherman Ave.  
(address)

Canon City, CO 81212

## CERTIFIED SURVEYOR II

### IX. RESEARCH DESIGN AND REPORT WRITING

- A. An introduction to the aims of the archaeologist
  1. Importance of planning a project
  2. Importance of producing a final report
- B. Project planning, a research design
  1. Defining a research design
  2. Problematical portion of the research design
  3. Practical portion of the research design;  
how the project is organized
- C. Brief discussion of cultural material analysis
- D. The importance and purpose of an archaeological report
  1. Report content

\*\*\*The archaeological research design and report are important to any project. It is necessary for each individual to be able to plan a project through a research design and to organize the results through the final report.

Place: Colorado History Museum  
1300 Broadway, Classroom C  
Denver

Dates: April 1, 12 & 13

Times: Saturday 9am-5pm  
Wed-Thur 6-10pm

\*\*For more information contact:

Kay Adams  
361-3582 (work)  
980-6981 (home)



## Desert Wind by Leni Clubb

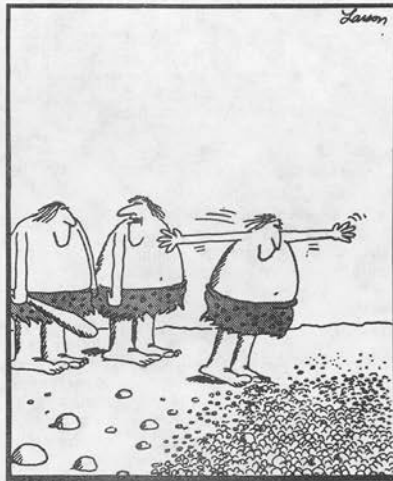
From our window or any place in our yard, we have a 180° view of beautiful Coyote Mountain with its ever-changing colors, shadows made by the sun and clouds. Even at night it dominates our little community with its dark mass rising to the north with the Big Dipper poised above it. How lucky we are to be here with the Anza-Borrego Desert on one side and the Yuha Desert with its geoglyphs on the other.

"The geology of the Anza-Borrego Desert is constantly changing due to erosion, faulting, folding and uplifting of the land. Change is recorded in the rocks and preserved for all to see. The valleys and canyons, alluvial slopes, badlands and washes are primarily the product of erosion, sometimes by wind but mostly by water. Normally, this change is subtle but flash floods can change the land dramatically. Canyons are products of millions of years of faulting and water scouring.

The oldest rocks in Anza-Borrego Desert, dating from about 540 million years ago, are the Coyote Mountains. They were originally ancient sea bottom deposits and contain fossils which confirm their age. After a quiet period of 375 million years during which this land was under water, changes began and the land slowly rose above the sea and began to erode. The region that became Anza-Borrego drained first to the west and then to the east as the land was worn down.

About 20 million years ago the San Andreas Fault became active; volcanic activity began in the Jacumba and Coyote Mountains, and marine waters began flowing into the Salton Trough which is now occupied by the Salton Sea and the Imperial Valley. The invasion by the sea continued for about ten or twelve million years during which time oyster shell reefs composed of hundreds of millions of oyster shells were formed on top of what are now mudhills.

Toward the end of this period, the Colorado River created a delta south of the Imperial Valley, effectively damming the water of the Gulf of California. The fresh waters of the Colorado created Lake Cahuilla which lasted until 800 years ago. Lands to the west became grasslands which scattered trees. There  
(continued.....)



"Watch ... Thag says he make gravel angel."

DESERT WIND - continued

were many lakes then but as the so-called Ice Age came to an end, the climate became drier and about 8,000 years ago, our area turned into desert. Badlands were carved by erosion; features were born as the many faults that still criss-cross this land, rose and fell. Canyons and valleys that still exist were formed and the environment continued to be arid.

These ancient sediments in the Coyote Mountains indicate that there have been numerous forms of life here for over 540 million years, but it was only two to three million years ago that the number of species of vertebrates multiplied astonishingly. Mammoths and mastodons roamed the valleys, sabertooth cats killed their prey with huge dagger-like canines. Camels that ranged in size from llama-sized to a giant eighteen feet tall, shared



"Thag, take napkin. Got some mammoth on face."

the meadows with thousands of horses and zebras. Sloths munched on the lower branches of trees. In the air were eagles and a relative of the condor, the huge Teratornis, a vulture with a wingspan of seventeen feet. By the time the ice, which never reached to southern California, had receded from the northern part of North America, roughly ten thousand years ago, many of these species were extinct. The climate was slowly changing; becoming even drier, and the lush meadows and wooded hills became a desert.

North of Ocotillo, just off County Rd. S-2, is the Carrizo Badlands which offers a striking view of tortured and twisted rock layers, principally in the walls of Canyon Sin Nombre. The Anza-Borrego Desert is dynamic and ever-changing. The process of mountain-building, faulting, and erosion by wind and water that have shaped the landscape, are part of an unimaginably vast geological scenario that even now is recording a new chapter in the history of our area."

(Excerpted from an article by Frederick Jee, Anza-Borrego Desert State Park:1989)



**SEARCH FOR ANCIENT APE**  
BANGKOK, Thailand (AP) — American scientists today said they will join Vietnamese archeologists in a remote cave outside Hanoi to search for remains of the largest known ape — a 9-foot primate that became extinct 200,000 years ago.

Paleoanthropologist Russell Ciochon said he and three other Americans would join about 10 Vietnamese scientists at the limestone cave where remains have been found of the "Gigantopithecus," an ape known only from sites

in southern China and Vietnam. Only jawbones and teeth of the animal have been uncovered but Ciochon said the team hoped to find more remains in the cave, 75 miles southwest of Hanoi, which served as a weapons depot and bomb shelter during the Vietnam War.

"One thing we know about it is that it was very big," Ciochon told

reporters. It was probably a four-footed, vegetarian animal weighing about 770 pounds that became extinct 200,000 to 300,000 years ago, the Americans said.

There is speculation early man may have hunted the ape to extinction.



# Chapter Meeting

WHERE: Hellems Room 252  
WHEN: March 21, 1989  
TIME: 7:30 to 9:30 p.m.  
PROGRAM: Origins of Agriculture in Northeast China  
SPEAKER: Dr. Sarah Nelson

Dr. Nelson's lecture will focus on neolithic sites in the area around Liao Ning in the province of Manchuria, northeast China. She surveyed the area this past fall. Dr. Nelson is currently teaching at the University of Denver. She received her doctorate from the University of Michigan. In addition to extensive work in Korean and Chinese archaeology, Dr. Nelson has done archaeological work in Colorado and Utah.



*Petroglyphs  
of the  
Southwest  
first edition*

## *Sale of Note Cards*

*at March & April*

*membership meetings*

*designed by CAS members Janet Lever & Ann Hayes*

*Proceeds help produce this newsletter*

## Off the Screen

An ugly rumor has it that 'old' PAAC classes will not be counted for certification. Our ever-alert PAAC coordinator, Ann Pipkins, leaped aboard this ugly critter and chased it to ground - Kevin Black, our Assistant State Archaeologist and State PAAC Coordinator. Helping Ann corner the rumor, Kevin says to the ugly one: "FIE UPON THEE; 'OLD' PAAC CLASSES WILL BE COUNTED TOWARD CERTIFICATION!!!" Kevin and Ann then ordered the ugly rumor to trouble us no more and consigned it to the nether regions of rumordom. End!

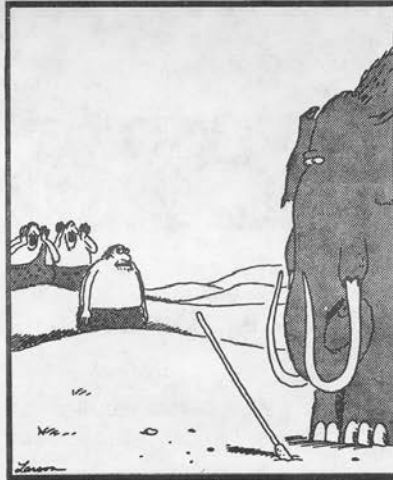
Historical archaeology at its near-best is being offered by O D Hand with a dig and lab work at the old Tremont Hotel. Now covered by a parking lot, the old hotel, built in 1860, was located on the west side of 13th Street between Blake and Wazee. The proposed Speer Viaduct is going to be planted on the spot so, if determined to be eligible for the National Register, more excavations will be conducted between March and May. Interested in trowling in the tarmac, laboring in the lab? Give O D a call at 757-9158, or drop him an eager note of acceptance at the Office of Environmental Review and Analysis, Colorado Department of Highways, 4201 E. Arkansas, Room 212, Denver, CO 80222.

From Larry Riggs we learn that the Swallow Site will open April 22-23 as the Denver Chapter returns to ground. Dig dates are then May 6-7; May 20-25; June 3-4, 17-18; July 8-9, 22-23; August 12-13, 26-27, and September 9-10, 16-17. Call the Denver Chapter for an invitation to help.

Winter got you down? The Cold and Snow giving you a crisis case of cabin fever? The 1989 CAS Encampment is June 30 to July 2. Now, don't you feel a little better??

The encampment will be in the Cimarron River valley near Montrose. A portion of the Silver Jack campground has been reserved for our group. Bill Harris, the 1989 CAS Encampment chairperson, included a whole bunch of other colorful descriptive words, but your Editor, concerned about Avocational Archaeologists just coming out of hibernation, forebore to spare you the more flowery phrases. Registration information, says Bill, will be available this Spring.

Some words to the effect that "I didn't receive my Calumet," have been heard. If you didn't, please toss a Clovis point at the Editor. He will try to get the problem corrected. rrl



"Aimtt speamtt ... aimtt speamtt ..."



Lyons Chapter, CAS, Executive Board For 1988

Officers:

- President: William Maxson, 827 Maxwell #E, Boulder 80302 (447-1947)
- Vice President: William Boyle, 1001 Peakview Cir., Boulder 80302 (442-3682)
- Secretary: Ann Phillips, 217 Hawthorne, Boulder CO 80302 (449-5627)
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- Lee Lacey, 2262 Juniper Ct., Boulder 80302 (442-4400)
- Richard & Sue Lippincott, PO Box 8, Erie, 80516 (828-3144)

- CAS Representatives: Sue Struthers, 8439 N 63rd, Longmont 80501 (776-2350, 492-4482)
- Librarian: Larry Riggs, 1690 Lombardy Dr., Boulder 80302 (449-2852)

Professional Advisor:

Advisory Committee To State Archaeologist:

- Professional: Sue Struthers, 8439 N 63rd, Longmont 80501 (776-2350, 492-4482)
- Avocational: Larry Riggs, 1690 Lombardy Dr., Boulder 80302 (449-2852)
- Field Directors: Bob Mutaw, 3000 Colorado Ave #117, Boulder 80303 (449-6832)
- Larry Riggs, 1690 Lombardy Dr., Boulder 80302 (449-2852)
- Sue Struthers, 8439 N 63rd, Longmont 80501 (776-2350, 492-4482)
- William Maxson, 827 Maxwell #E, Boulder 80302 (447-1947)

Project Infor. Officer:

- PAAC Coordinator: Ann Pipkins, 4500 19th #456, Boulder 80302 (449-0851)

Publicity:

Ways & Means:

Youth Program:

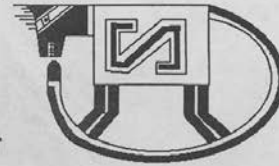
The Calumet Editor:

- Sue Struthers, 8439 N 63rd, Longmont 80501 (776-2350)
- Richard Lippincott, PO Box 8, Erie, 80516 (828-3144)

According to the By-laws of the Lyons Chapter, Colorado Archaeological Society, the officers and chairpersons of the Standing Committees are voting members of the Lyons Chapter Executive Board.

This newsletter is published monthly by the Lyons Chapter, Colorado Archaeological Society. The views expressed in articles or editorials appearing in this publication do not necessarily reflect those of the membership or the Executive Board of the Lyons Chapter, CAS.

1989 Application form for membership in the Lyons Chapter of the Colorado Archaeological Society.



- Individual Membership \$15.00       New member
- Family membership \$22.00       Renewal

Name(s) \_\_\_\_\_

Address \_\_\_\_\_

Phone numbers \_\_\_\_\_ (h) \_\_\_\_\_ (w)