



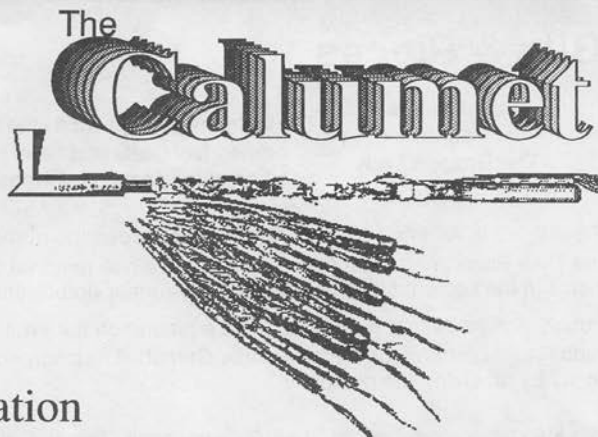
Lyons Chapter  
Colorado Archaeological Society

Conservation

Preservation

Education

Exploration



### Calendar of Events

- |                     |   |
|---------------------|---|
| July 11 & 12        | Bone lab first meeting. DU campus Mon. 10-3:30 Tues 7-9:30<br>call Sue for info. 776-2350/776-8907.   |
| July 16             | Swallow site dig. Call Ivol for information 986-2483.   |
| July 19             | Lyons Chapter Executive Board Meeting. Struthers Farm 7:30 pm. I<br>promise it will be a really short one!  |
| July 23             | Beech survey meet at Beech 8:30 am. Call Sue for more<br>information.   |
| July 26             | CAS receives Runner-up in the Take Pride In America Award.  |
| July 30             | Swallow site dig. Call Ivol for info.   |
| Aug. 6              | Third Quarterly CAS meeting.<br>Montrose.   |
| Aug. 13             | Seventh Annual World Open Atlatl<br>Contest in Casper, Wyo.<br>See newsletter for more info.  |
| Aug. 18-21          | Pecos Conference. This year<br>the Pecos Conference is at the<br>McPhee campground, Delores<br>CO. Registration form in this<br>newsletter.           |
| Aug. 26-<br>Sept. 5 | Colorado State Fair. CAS<br>exhibit on Anasazi farming tech<br>niques. They need as many volun<br>teers as they can get. So please<br>plan to attend! |

#### Inside the Calumet

- Bits and Pieces .....2  
Atlatl News .....7  
The Far Side .....6



## Bits & Pieces

from the Prez  
alias  
The Dragon Lady

I've been talking with a little bird  
named Ivol lately and he is full of all  
kinds of fascinating information!



Take Pride in America Award. CAS was awarded the runner up position in the Take Pride In America Award! There were one hundred and five entrants in the contest so being awarded the runner up position is quite an

honor. Ivol say's that we will be given a plaque on the Whitehouse Lawn July 26th. Colorado Representative Ben White Horse Campbell has agreed to represent CAS at the ceremony by receiving the plaque!

We also have a new acting State Archaeologist. Susan Collins has been appointed and will take her position on July 1st. Ms Collins has a PhD from the University of Colorado. She has been the Tribal Archaeologist for the Zuni Tribe, and most recently has been under contract to the National Park Service accessing the National Register potential of sites in the Mesa Verde Park. We welcome her and look forward to working with her.

Marie Wormington has rejoined CAS. We are happy to welcome her back into the organization.

Ivol wishes to announce that the Swallow site will be open every other weekend. Starting on July 16th the site will be dug on the weekends. If you want to participate please call Ivol 986-2483.

Our second annual Garage sale was another major success. We earned a little over \$300! The success of the Garage Sale was do to the efforts of Pat Hatfield and her committee, Ann Pipkins, Jeanne Hamilton, Edna Collis and Ann Phillips. Others helped, but because I was not involved I may have missed some names for which I apologize. I wish to personally thank all of the people involved for making the Garage Sale a success!

The Annual Encampment was a blast! The Campground which we were in was a great spot and Marcia Tate had every thing very well organized. I will save the full report for Leni's column. If you missed this encampment you missed a very good time!

The Bone lab is now up and running! If any of you have any interest in bone and faunal analysis this is the place to learn! The first meeting will be Monday July 11 from 10 to 3:30. The second session will be July 12 from 7-9:30 pm. The Bone Lab shares space with the Denver Chapter lab on the University of Denver Campus. If you need information on how to get there or any other info please call Sue 776-2350, 776-8907, or Charlotte 279-6934.

We would like to welcome four new members! Be sure to add their names to your mem-

bership lists.

Dave Schneller  
1250 Apollo Dr  
Lafayette, CO 80026  
655-4835 443-0611

Dock Teegarden  
4590 Squires Cir.  
Boulder, CO 80302  
494-6496

Winnie Ryan  
319 Peery Pkwy.  
Golden, CO 80403  
278-7388

Jeanne Crouch  
1329 Adams  
Denver, CO 80206  
355-5810



### **Hike To 4th of July Valley**

See the sites excavated by James Benedict from 1971- 1975 including the Ptarmigan and the 4th of July sites. One of the most beautiful valleys in the Indian Peaks Wilderness with views of the Arapahoe Peaks and Mount Neva.

We will start our hike from the 4th of July parking lot and hike 2 miles on the Arapahoe Pass Trail and then hike into the valley approximately two miles to the sites along the North Fork of Middle Boulder Creek. Meet at 7am at the parking lot where Pearl St. meets Canyon Blvd. where we will arrange a car pool.

Topo maps: East Portal and Monarch Lake

Distance: Approximately 8 miles round trip.

Approximate elevation: 11500 ft.

Call leader Jean Kindig 442-2581 to sign up.



### **THE FAR SIDE**

By Gary Larson



"Sure it's true! ... Cross my heart and hope to die, stick a sharp chunk of obsidian in my eye."

**61st Pecos Conference Pre-registration Form**

I will be attending the 61st Pecos Conference and there will be \_\_\_\_\_ people in my party.

To help us in our planning please respond to the following:

I/we plan to camp \_\_\_\_\_

Beverage preference: beer \_\_\_\_\_ wine \_\_\_\_\_ pop \_\_\_\_\_ iced tea \_\_\_\_\_

I would like to make a Field Report \_\_\_\_\_, Poster Presentation \_\_\_\_\_.

My presentation will fit best into the following:

\_\_\_\_\_ Paleo-Indian/Archaic

\_\_\_\_\_ Hohokam Area

\_\_\_\_\_ Mogollon Area

\_\_\_\_\_ Anasazi Area

\_\_\_\_\_ Other Area (please specify)

\_\_\_\_\_ High Altitude Studies

\_\_\_\_\_ Ethnohistoric/Protohistoric

\_\_\_\_\_ Theoretical/Methodological

\_\_\_\_\_ Other: (please specify) \_\_\_\_\_

State where work was/ is being done: \_\_\_\_\_

Enclosed is my registration fee of \$10.00  $\times$  \_\_\_\_\_ persons = ..... \$ \_\_\_\_\_

Enclosed is payment for the pig roast of \$9.00  $\times$  \_\_\_\_\_ persons = ..... \$ \_\_\_\_\_

\$4.50  $\times$  \_\_\_\_\_ persons = ..... \$ \_\_\_\_\_

Enclosed is payment for \_\_\_\_\_ T-shirts:

Adult: \_\_\_\_\_ small \_\_\_\_\_ medium \_\_\_\_\_ large \_\_\_\_\_ X-large @ \$8.00 = ..... \$ \_\_\_\_\_

Youth: \_\_\_\_\_ X-small \_\_\_\_\_ small \_\_\_\_\_ medium \_\_\_\_\_ large @ \$7.00 = ..... \$ \_\_\_\_\_

Total enclosed = ..... \$ \_\_\_\_\_

Please make check payable to: **61st Pecos Conference.**

Send payment and this form to:

Pecos Conference  
Crow Canyon Center  
23390 County Rd. K  
Cortez, Colorado 81321

Pre-registration, pig roast and T-shirt fees must be received by *15 July, 1988.*

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Affiliation: \_\_\_\_\_

## THE 61st ANNUAL PECOS CONFERENCE



The 61st Annual Pecos Conference will be held at the McPhee Group Campground, near Dolores, Colorado on August 18-21, 1988. This year the conference is being sponsored by the Crow Canyon Archaeological Center, the Bureau of Land Management (Anasazi Heritage Center), the National Forest Service (San Juan National Forest) and the University of Colorado (Yellow Jacket Project). The traditional informal nature of the conference will be maintained.

**Registration:** The registration fee for the 1988 Pecos Conference is \$10.00, if you pre-register before July 15, 1988. We strongly encourage you to pre-register and to indicate how you will participate, on the enclosed form. If you do not pre-register, registration (\$12.00) will be available during a conference reception at the Anasazi Heritage Center, Thursday, August 18, 1988 between 6:00 and 9:00 p.m. and at the McPhee group campground on Friday, August 19, 1988 between 8:00 and 11:00 a.m.

**Field Reports:** Reports on current fieldwork and other research will be presented on Friday, August 19, from 9:00 a.m. to 5:00 p.m. and on Saturday, August 20 from 9:00 a.m. to 5:00 p.m. These presentations will be no more than 10 minutes in length and no provisions are being made for slide presentations.

**Mini-symposia:** Following last year's precedent, several mini-symposia will be conducted this year. These presentations will be inserted in the program. Each symposia will consist of 3 papers plus a short discussion. The topics will focus on current interests in 4-corners archaeology: 1) large site formation, 2) behavioral analyses of prehistoric cannibalism, and 3) archaeoastronomy.

**Poster Session:** A heavy demand is expected for the time allotted for field reports. Because of this it may not be possible to accommodate everybody. An alternative that is being offered this year is a poster session. If a summary of your work can be covered with text and graphics that fit in a 4 x 4 foot space, we encourage you to consider this medium for your presentation. The poster session will be held in the multi-purpose room at the Anasazi Heritage Center on Friday and Saturday. Please indicate on the pre-registration form if you want to make a poster presentation.

**Food:** A pig roast, in the local tradition, will be held on Saturday evening at the McPhee group campground. This feast will be complete including beer, wine (?) and non-alcoholic beverages. Traditional Pecos Conference style entertainment will be provided. The cost of this sumptuous repast is \$9.00 (\$4.50 under 12) if you prepay and \$11.00 'at the door'. Please enclose payment with your pre-registration. A food concession (hamburgers, soft drinks, etc.) will be supplied by the Dolores County Search and Rescue.

**Tours:** On Sunday, 21 August, tours will be available to nearby sites including Yellow Jacket, Sand Canyon Pueblo, the Crow Canyon Archaeological Center and the Anasazi Heritage Center. Sign-up sheets will be available at the registration table.

**T-shirts:** 61st Annual Pecos Conference T-shirts are available and may be ordered when you pre-register (for delivery at the conference) or may be ordered during registration (for later delivery). T-shirts will not be for sale during the conference.

For delivery at the conference, orders must be received by **15 July**. This year's shirt will be a short-sleeved, heavy all-cotton, ecru-colored shirt printed with the conference logo in Sand Canyon red. T-shirts will cost \$8.00 (adult) and \$7.00 (youth) each, when picked-up at the conference. Postage (\$2.00) will be added for shirts ordered during the conference.



## Fort Caspar Museum

June 24, 1988

Greetings,

You are invited to attend the Seventh Annual World Open Atlatl Contest, at the Fort Caspar Museum, Casper, Wyoming, Saturday, August 13, 1988. This event is a continuation of the past World Open Atlatl Contests formerly held at Saratoga, Wyoming. We are merely moving the contest from Saratoga to Casper.

The morning of August 13th will be devoted to flint knapping demonstrations. Flint knappers wishing to participate are encouraged to do so. The Atlatl Contest will start at 1:30 p.m.. There will be separate divisions for boys and girls under 16, men and women over 16, and teams composed of an adult plus a boy or girl under age 16. Awards, trophies, and caps will be presented to the winners. Awards will be presented to the holders of the most unusual, artistic, and authentic atlatl.

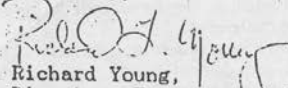
Dr. Dennis Stanford, Curator of Paleoindian Studies, Smithsonian Institution, Washington D.C. will present an evening lecture at 8:00 p.m., Thunderbird Gymnasium, Casper College. Dr. Stanford is an excellent speaker and always presents a lively, entertaining and informative talk. We are indebted to Casper College for allowing us the use of their facility, gratis.

For those who desire information concerning camping facilities or motel accommodations, please contact the Casper Chamber of Commerce who willingly furnishes such information.

Casper Chamber of Commerce  
500 North Center Street  
Casper, Wyoming 82601  
(307) 234-5311

The past World Open Atlatl Contests have been fun events, enjoyed by both participants and spectators. You need not be a contestant to attend. We sincerely hope that you will have the opportunity to be in Casper, Wyoming, August 13th.

Sincerely,

  
Richard Young,  
Director, Fort Caspar Museum

4001 Fort Caspar Road, Casper, Wyoming 82604 •• (307) 235-8462





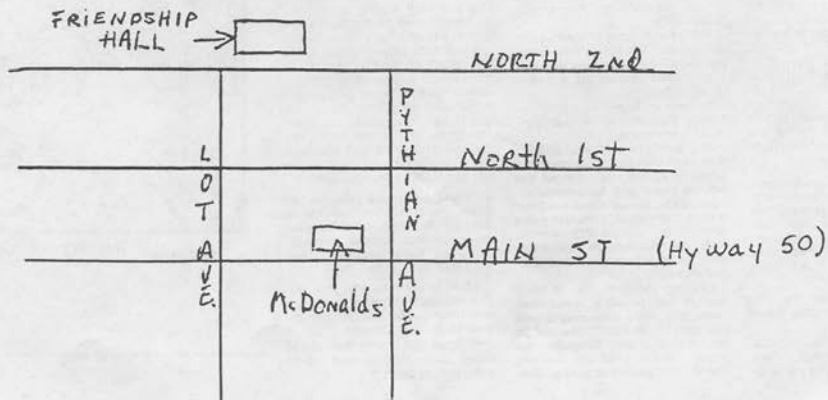
## THE COLORADO ARCHAEOLOGICAL SOCIETY

✦  
*Publishers of Southwestern Lore*

Dear CAS Board members and Advisory Committee members:

The third quarterly meeting of the CAS Board and Advisory Committee will be hosted by the Chipeta Chapter, August 6, 1988. The meeting will take place at Friendship Hall, Montrose County Fairgrounds, 1001 N. Second, 2 blocks north of McDonalds. To assist attending members a list of Montrose motels has been provided. In addition, members of the host chapter have opened their homes to those interested members. To secure reservations contact Linda Delman, 249-2360. Chipeta chapter president, Sharon Manhart and her husband, Hal will host a pic-nic on Saturday evening. Maps to Manhart's will be available at the meetings. BYOB and bring side dishes, muncies or deserts.

9:30 Advisory Committee meeting  
12:00 Lunch  
1:00 Board meeting  
6:30 Pic-nic at Manhart's



# Pre-historic Bairoil sites excite scientists

## Paleo-Indian village may be among area discoveries

By CANNON MOULTON  
Star-Tribune correspondent

**BAIROIL** — Ancient native campsite found near here date back 10,000 years and may be the remnants of the only known Paleo-Indian village in the world, some independent archaeologists say.

While other scientists do not believe the pits found here over the past two years constituted a village, they agree that the sites will make a large contribution to Wyoming pre-history because they are extremely rare.

More than 70 surface sites, 34 sub-surface sites and 400 features have been found during construction of the Amoco carbon dioxide (CO<sub>2</sub>) project near Bairoil during the past two years. The sites include what are believed to be rare Paleo-Indian house pits and the only mastodon bones ever found in Wyoming, archaeologists say.

"Paleo-Indian structural remains are extremely rare. They're about as common as black-footed ferrets," Kenneth Berrigan, archaeologist at the University of Wyoming, said.

"This will make a very large contribution to Wyoming pre-history," archaeologist Dianne Berrigan said. Berrigan is conducting a research study for Amoco to assess the significance of the findings near Bairoil.

Archaeological sites and features identified in studies being done by Amoco date back to two early Paleo-Indian cultures: Clovis

which ranged from 10,000 to 12,000 years ago; and Folsom which ranged from 9,000 to 10,000 years ago.

The sites already located and features identified are " tantalizing clues" for scientists who believe they "may come up with Paleo-Indian occupation" in the area, Berrigan said.

The findings are important because "early man sites are very rare indeed." The chances that archaeologists will find a Paleo-Indian site are rare and an intact, sub-surface house pit is even more rare, she said.

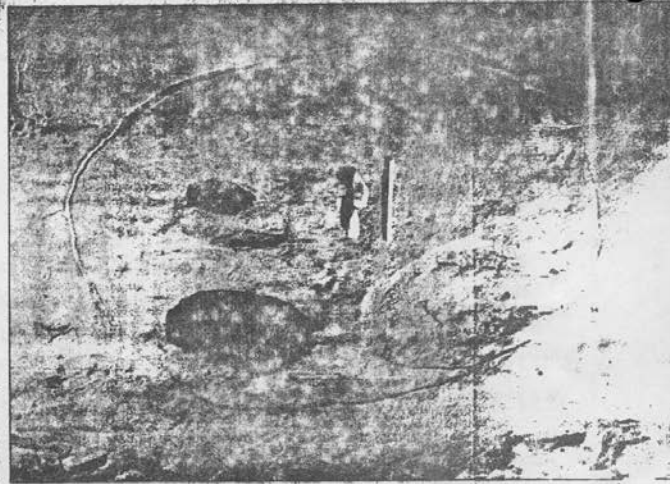
But in the Bairoil archaeological district, which encompasses the Wertz and Lost Soldier oil fields and town of Bairoil, three definite kinds of house types have been identified.

At least 70 surface sites have led archaeologists to a large number of stone circles, known as teepee rings, conical pole lodges and house pits, Berrigan said.

Most of the house pits are below the ground surface. They were excavated into the ground by early man and could have been roofed with skins or willows. Others, known as wickiups, were probably covered with brush, grass or domed huts, she said.

The house pits were "probably, actually just small brush huts," Ted Hoefer, Western Wyoming College manager for archaeological services, said.

Those house pits were about 3 1/2



Ring marks the site of a pre-historic dwelling with a prepared clay floor, according to Amoco's consulting archaeologist Marv Greer. Archaeologists believe the hole in the floor was a cooking pit.

## Dwelling floor

meters square in size, Hoefer said. When Amoco put in a 20-mile pipeline spur to transport carbon dioxide (CO<sub>2</sub>) from the Exxon project in southwest Wyoming to its new CO<sub>2</sub> plant near Bairoil, 34 sites, many believed to be house pits, were bisected, he said.

Sub-surface cultural resources were found at 31 of 32 oil well pads put in place last year, BLM Casper District Archaeologist Jude Carino said.

Berrigan said the information collected shows the house pits in the Bairoil area will double the number of structures like them known of in the entire state.

In addition to the house types, the only mastodon bones ever found in Wyoming were located in the Wertz oil field in 1986, Berrigan said. Those large animals ranged during the late Pleistocene era, from 23,000 to 75,000 years ago.

Archaeologists differ on the significance of the materials found in the Bairoil area.

"It definitely has a regional significance in the fact that if there are as many house pits as are being

claimed that there is just no precedence in the Rocky Mountain region (for that) other than the recent teepee rings," Hoefer said.

"Those sites out there are nothing less than the fossil record of our species in Wyoming," McKay said.

McKay and other archaeologists also suggest the number of house pits identified may mean the area was actually the site of a Paleo-Indian village.

He said he is not aware of any known Paleo-Indian village anywhere in the world.

But Berrigan said she doesn't think the house pits mean there was a village at the site. Instead she believes there may have been encampments. In her mind a village is more permanent, something she likened to present-day towns, while an encampment was more likely to be set up for a time and then moved.

Berrigan believes "it is very possible and probable, even, that house pits were constructed and used part of the year." She said in Wyoming even until 1800 years ago people mostly lived by hunting animals and gathering plants. That

meant they were nomads, following game or growing seasons, she said.

The most significant aspect of the Bairoil site according to Berrigan is the abundance of material spanning such a wide time period — from Clovis to present day — in such a small geographical area.

The area is located in the northeast corner of the Continental Divide Basin which separates the southern and northern Rocky Mountains. Because of the natural pass in the area, people have been able to move from the plains into the basins of Utah and Colorado and also hunt and gather in the mountain zones, Berrigan said.

"For hunters and gatherers any place that offered ecological diversity in terms of both plant resources and animal resources would be highly valuable," Berrigan said.

The location of the archaeological features is at a major pass through the Rockies into the great basin, Berrigan said.

"I think that's why there are so many sites concentrated where we're finding them."



The origin of "dessert"



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					<b>Encampment</b>	
					1	2
<b>Encampment</b>						
3	4	5	6	7	8	9
10	Bone lab. DU campus 10-3:30	Bone lab. DU campus 7-9:30				Swallow site Call Ivöl 986-2483 16
						Field day at Beech 8am
17	18	19	20	21	22	23
24						Swallow site Call Ivöl 986-2483
31	25	26	27	28	29	30

## Lyons Chapter, CAS, Executive Board For 1988

## Officers:

*Co-Presidents:* Sue Struthers, 8439 N 63rd, Longmont 80501 (776-2350, 776-8907)  
 William Maxson, 827 Maxwell #E, Boulder 80302 (447-1947)  
*Vice President:* Larry Riggs, 1690 Lombardy Dr., Boulder 80302 (449-2852)  
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 William Boyle, 1001 Peakview Cir., Boulder 80302 (442-3682)  
 Lee Lacey, 2262 Juniper Ct., Boulder 80302 (442-4400)  
 Richard & Sue Lippincott, PO Box 8, Erie, 80516 (828-3144)  
*CAS Representatives:* William Boyle, 1001 Peakview Cir., Boulder 80302 (442-3682)  
*Librarian:* Larry Riggs, 1690 Lombardy Dr., Boulder 80302 (449-2852)  
*Professional Advisor:* Frank Eddy, University of Colorado Anthropology Department

## 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)  
 Laura Viola, 2857 Shadow Creek Dr., Boulder 80303 (442-2019)  
 Larry Riggs, 1690 Lombardy Dr., Boulder 80302 (449-2852)  
 Sue Struthers, 8439 N 63rd, Longmont 80501 (776-2350, 492-4482)  
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*Project Infor. Officer:* Ann Pipkins, 4500 19th #456, Boulder 80302 (449-0851)  
*PAAC Coordinator:* Ann Pipkins, 4500 19th #456, Boulder 80302 (449-0851)  
*Publicity:* Mary Sucke, 972 Martin Rd., Longmont 80501 (772-9538)  
*Ways & Means:* Pat Hatfield, 1951 Vista Dr., Boulder 80302 (449-1706)  
*Youth Program:* William Maxson, 827 Maxwell #E, Boulder 80302 (447-1947)  
*The Calumet Editor:* Sue Struthers, 8439 N 63rd, Longmont 80501 (776-2350)

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.



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