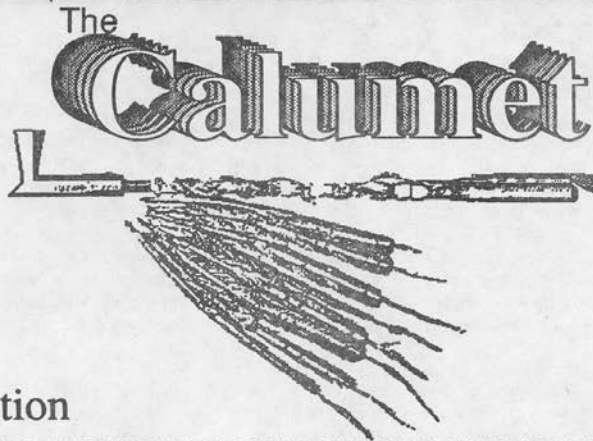




Lyons Chapter
Colorado Archaeological Society
Conservation

Preservation
Education
Exploration



Calendar of Events

- June 8 Talk on Russia's first nomads by Dr. Olga Soffer of the University of Illinois at 7:30 PM at the Denver Museum of Natural History at the Ricketson Auditorium. \$8.00 for members.
- June 10 Mapping survey of Beech open space property. 9:00 A.M. with pot-luck barbecue to follow at Sue Struthers' farm, 8439 North 63rd St. Contact Sue Struthers, 776-2350. Chance to meet the site form requirement for PAAC.
- June 13 The Lyons Chapter Executive Board Meeting, 7:30 P.M. at the Lippincott's, 604 Holbrook St., Erie. 828-3144.
- June 20 The Lyons Chapter regular membership meeting at 7:30 P.M. in the UMC building, Room 230 on the CU campus. Our speaker will be Michael Barney, President of Western Archaeological Consultants. His talk will be on High Altitude Archaeology.
- June 30-July 2 CAS Encampment. Silver Jack Reservoir in the Cimmaron Valley near Montrose. Registration deadline June 5, 1989. Registration form in the news letter.
- July 15 PAAC class field survey at Rabbit Mountain. Call Ann Pipkins, 449-0851 for time and exact location.
- August 5 Annual Lyons Chapter hike to explore the archaeology in the Indian Peaks Wilderness Area. Contact Jean Kindig, 442-2581.

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Bits & Pieces

From the PREZ

Please note that our Executive Board meeting and our regular meeting in June will be one week earlier than usual. We are doing this to accommodate our speaker, Michael Burney. Also, because of the Colorado Shakespeare Festival, we will be meeting in the UMC instead of in Hellems.

Special thanks goes to Lee Lacey for conducting an outstanding workshop on flint knapping. We all learned a lot and we all made a projectile point, even if it was crude. If we can find the experts, we will have other workshops in subjects like ethno-botany, pottery, soil analysis, etc.

On May 6th we completed the survey on the east side of the Beech property and located a potential teepee ring and an historic grinding stone. On June 10th we will do mapping and fill out the inventory forms to document the sites that we are aware of. After the June 10th survey, we will go to Sue Struthers' farm for a pot-luck picnic. This is your chance to meet the PAAC requirement of completing four site forms for PAAC certification.

Laura Viola is working on the research design for the Arapahoe Bridge archaeology salvage project. At present she is waiting on the City of Boulder's construction plan for the bridge. If you are interested in doing historic salvage archaeology, call Laura, 442-2019.

If you have not already done so, mark on your calendar the date of August 5th. Jean Kindig, a professional archaeologist with experience in alpine archaeology, will lead us on the annual CAS hike to explore the archaeology of the Indian Peaks. This is what she said: "With a chance to smell the flowers along the way, the group will start from Buckingham Park trail head and hike to Arapahoe Pass where we will look at game drives (approximately three miles with an elevation gain of 1,785 feet). The group will then descend 760 feet to Columbine Lake to look at early occupation sites excavated by Jim Benedict (approximately one mile on very steep trail). Those that prefer not to hike down can enjoy Lake Dorothy on the Divide. We will meet at 7:00 A.M. at the Red Rocks Parking Lot on Canyon Boulevard to car pool."

There will be no regular meetings in July. But if the membership expresses enough interest, Bill Boyle would like to make a field trip (1) to the Heritage Center in Denver and to some field school on July 8th, and/or (2) to the Swallow site on July 22nd. There will be sign-up sheets at the regular meetings or call Bill at 442-3682. Our speaker in May, Ivor Hagar, talked on the Swallow site, and this is a chance to see it. If you are interested in working on the Swallow site, call 329-3592 for information. This summer's schedule for the Swallow site: June 3-4, 17-18, July 8-9, 22-23, August 12-13, 26-27, September 9-10, 16-17.

For school teachers that need extra credit, the University of Denver is offering two 2-credit courses in June on Colorado Archaeology that involve only several days work (lectures and field trips). Call 871-3869 for information.

Welcome, new member:

Brent Wheeler, 911 South Homer Circle, Lafayette CO, 80026, 665-8835.

Mary Jane and Richard Harper, 18 Wild Cat Lane, Boulder CO, 80302, 449-9154.

Ex Liber by Riggs

In the last few months the library has received several new additions. From our chapter President, Bill Maxson we got a copy of The World Atlas of Archaeology, a large-format, beautifully illustrated volume with lots of maps. From Paul Heinrich a copy of his paper A Bibliography of the Climatology, Holocene and Pleistocene Paleoclimatology, and Geomorphology of Colorado According to Prehistoric Context Areas, 1880 to 1983 arrived some time ago. From Kevin Black we received two books, Archeology and the Federal Government: The Federal Archeology Program, and Archaeology of the Eastern Ute: A Symposium (Occasional Paper Number One of the Colorado Council of Professional Archaeologists). Each of these is a valuable addition to the chapter library and is much appreciated. Our sincere thanks to all the donors.

We especially want to thank several people at the University Book Center for the donation of 7½ min. USGS Quads as mentioned in a previous newsletter. To LouAnn Lutter, Debbie Varnado and Bill Boyle goes the thanks of our chapter and that of several others (we were able to provide copies of many of the maps from the duplicates). The maps will greatly aid our survey and research programs. The maps and mapcase are very greatly appreciated.

THE CALUMET

EXECUTIVE BOARD

PRESENT: Bill Boyle, Bill Maxon, Laura Viola, Jeannie Hamilton, Sue and Rick Lippincott, Lee Lacey, Dock Teegarden, Ann Phillips.

TREASURER'S REPORT: \$433.27. The membership dues are not enough to cover the cost of the newsletter, and it was suggested that the dues be raised to \$10.00 next year.

VANDALISM: Forms are now available from Bill Maxon to fill out and file with site forms to indicate any disturbance or vandalism of sites.

Also, the liscence to collect road kill animals (and hopefully donated to Sue Struthers for her bone lab) are available through Bill Maxon as well.

NEWSLETTER: Sue and Rick Lippincott may be moving on July 1. not only would we miss their vitality, energy, interest, expertise, friendship, and Erie meeting room, this might mean looking for another LYONS CAS newsletter coordinator. Let's hope they are able to stay.

FIELD DIRECTORS: Laura Viola reported that the West Arapahoe project will begin their research as soon as the city decides when they are beginning their project. In the meantime, she is collecting an oral history of Ebin Fine Park.

A notice sent to all Chapters by Kevin Black clearly states that all Field Directors must be certified. The Lyons Chapter has a number of people who have completed classwork for that certification, but they haven't filled out the required number of site forms. Another concern are the number of inactive but qualified field directors within our chapter. Bill Boyle suggested a meeting of all of them to determine their degree and type of commitment. We would like to have a Field program, but without qualified leadership, this is impossible.

Besides the West Arapahoe Project and the Beech Aircraft Property survey, the overview of Boulder County Openspace lead by Dock Teegarden is another survey project we all wish to support. This is an excellent way to use Dock's expertise and knowledge of the land as well as giving those of us in need of "site form experience" the opportunity of doing that with a Field Director who will step in and assist Dock for that specific purpose.

WORKSHOPS AND FIELDTRIPS: Dick Antonio, the agriculturist for City Open Space has offered to do a Soil Survey Workshop sometime during the summer season. The emphasis will be on plants, what they look like when they are disturbed and the effect of change. Lee Lacey's flint knapping workshop was a huge success. On June 10 will be a Mapping survey of Beech Open Space Property and on June 24 will be an artifact illustration workshop.

BILL Boyle will have sign up sheets at the next meeting for Field Trips to the Swallow Site and the Senac site with Kevin Black followed by a tour of the Heritage Center.

ATLATLS IN THE QUAKIES

CAS ENCAMPMENT

June 30 - July 2, 1989

Silver Jack Reservoir

This year's Encampment will be held in the gorgeous Cimarron Valley. We will use the Silver Jack Campground. The turnoff, signed Silver Jack Reservoir, is 23 miles east of Montrose on Highway 50. The campground is 18 miles south of the highway along a maintained gravel road, and is marked with a standard Forest Service sign. LOOK FOR THE CAS SIGNS!

The campground has state of the art toilet facilities and running water. The campground road is paved. Standard campground rules are in effect. A few campsites have been set aside for tipis. Fires will be allowed in the tipis if fire pans are used. Silver Jack is not a group campground so sites must be reserved in advance. Camping fees are assessed on a daily basis for each site used. In order to make the best use of available campsites, participants are encouraged to arrange sharing a campsite with friends in advance. Each campsite is restricted to 2 vehicles. Camping site assignments will be made upon your arrival. Please indicate on the registration form with whom you will be camping and type of camping equipment, tent, motor home etc. The campground will be open for CAS use from Friday morning, June 30th thru 1PM Sunday, July 2nd. If you wish to arrive early or stay late there are other camping facilities nearby, but remember it is near a holiday. If you wish to set up your tipi please contact Encampment coordinator, Bill Harris, by phone, 249-8055.

The atlatl contest will take place on Saturday morning, games in the afternoon. A spear-chucking practice session will be held on Friday. For safety's sake all atlatl participants under the age of 18 must be accompanied by an adult during the practice session.

The Annual Potluck Dinner will be held on Saturday evening, followed by awards presentation and some sort of entertainment. The main entree will be burgers and all the fixin's. Please bring a dish to share, and don't forget to bring beverages and lawn chairs or a blanket.

Durable t-shirts with the 1989 Encampment logo, as shown above, can be ordered in advance with full payment prior to the registration deadline, June 5, 1989. The shirts will be available at the Encampment.

Full payment for camping, supper and t-shirts must accompany registration form.

NAME: _____ NUMBER ATTENDING _____

ADDRESS: _____ PHONE: _____

TENT _____ TIPI _____ PICKUP CAMPER _____ TRAILER _____ MOTORHOME _____

SHARING CAMPSITE WITH _____

CAMPING: \$11.00 1st night, \$5.00 2nd night / site _____

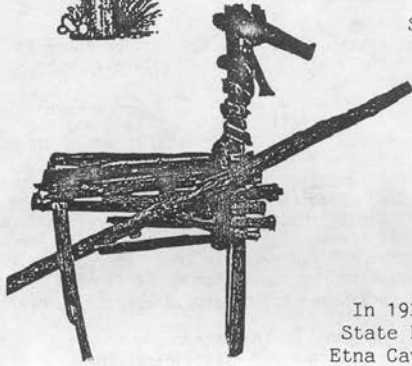
POTLUCK SUPPER: \$2.00/adult, \$1.50/child under 12 _____

T-SHIRT: \$8.50ea. _____ XL _____ L _____ M _____ S _____

TOTAL..... _____

Make payment payable to: Chipeta Chapter, CAS, and mail to:
Bill Harris, 1605 S. Mesa, Montrose, CO 81401

Desert Wind by Leni Clubb



Split-twig figurines, tiny artifacts made of willow withes from one to eight inches long, were first discovered in Arizona's Grand Canyon near a north rim tributary of the Colorado River in 1933. The next year, 15 similar figurines were recovered from Stanton Cave in Sycamore Canyon, up the Colorado from Grand Canyon National Park. None of these early finds created more than a passing curiosity. Now known to have been made by prehistoric Indian hunters, the figurines were first thought to have been of recent origin.

In 1935, S.M. Wheeler, archaeologist for the Nevada State Park Commission, uncovered more twig figurines in Etna Cave about 100 miles northeast of Las Vegas, Nevada. Although the figurines in Stanton Cave were discovered in 1939, widespread interest was not manifest until 1954 when three additional sites were discovered in the Grand Canyon by speleologists. No definite correlation of cultural and chronological relationships were found, but a detailed analysis of the technique of manufacturing the figurines was undertaken, and four years later a study of all known figurine finds was published by Dr. Douglas Schwartz, and archaeologist at the University of Kentucky. He gave a complete description of the figurine construction techniques and their variations and presented the first radiocarbon dates for the artifacts.

One specimen tested at the University of Michigan yielded a date of 1580 BC \pm 300. Another, tested at the University of Arizona was dated 1150BC \pm 110. In view of the remarkable early dates and the fact that many of the specimens seemed to have been pierced by tiny wooden spears, Schwartz suggested they were magico-religious in function and "part of the wide-spread Desert Culture (7000/6000 to 2000BC based on radiocarbon dates).

The Desert Culture has been characterized by cave or rock shelter habitation, hunting and gathering of wild foodstuffs, and manufacture of small projectile points, flat milling stones, and twined basketry, to list but a few major attributes.

Some archaeologists were mildly incredulous - while Desert Culture manifestation were known in southwestern United States, they had not been, as yet, definitely associated in the "heartland" of the figurine complex, the Grand Canyon. By 1963, additional discoveries had not been made and the radiocarbon dates were not completely accepted. Archaeologist still were unable to demonstrate indisputable relationships of the effigies with any known cultural manifestation, early or late, historic or prehistoric. The figurines had never been identified in the context of known Desert Culture habitation sites.

In 1963, Dr. Robert C. Euler of the University of Utah, searched for additional data on the split-twig figurines during an intensive examination of Stanton Cave. He
(continued...TWIG

Chapter Meeting

WHEN: Tuesday, June 20 1989

TIME: 7:30 to 9:30 p.m.

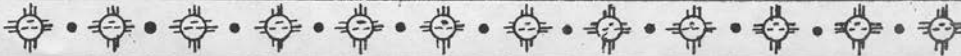
WHERE: UMC 230

PROGRAM: High Altitude Archaeology

SPEAKER: Michael Burney

Human activity in the Rockies extends back over 10,000 years. Michael Burney will examine the traces left by the earliest Paleo-Indian hunters. He will also discuss the relationships between past and present environments.

Michael Burney is president of Western Archaeological Consultants, Inc., an archaeological and historical consulting firm. Burney has conducted dozens of archaeological surveys throughout the West since 1975. Currently he is under contract as Tribal Archaeologist for the Confederated Tribes of the Umatilla Indian Reservation, Pendleton, Oregon.



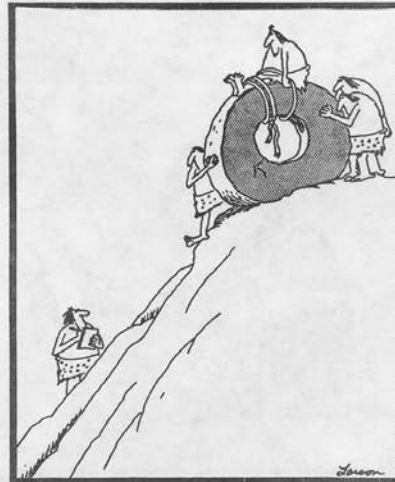
TWIG: Continued

found no sign of human utilization except for caches of split-twig figurines hidden from view under tremendous rocks that had fallen from the cave roof.

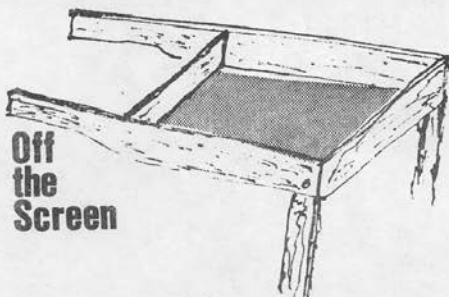
Euler submitted one of these figurines to the radiocarbon dating laboratory at the University of California at Los Angeles. After a carefully controlled procedure, the figurine yielded a date of 2145 BC \pm 100, the earliest date yet recorded. In this article, published in *Natural History Magazine*, March, 1966, Euler noted that nothing had been discovered that would definitely indicate the cultural affinities of the figurine makers, since people do not normally live in places that are used ritualistically.

REFERENCE: Euler, Robert C., *Natural History Magazine*, March 1966; excerpts from a seven-page article.

NEXT MONTH: "The techniques of manufacturing split-twig figurines," including step-by-step drawings.



Early experiments in transportation



**Off
the
Screen**

Remember that Basic Site Survey course you took last Fall? The one where Kevin talks about UTM's and stuff like that? Well, on July 15 the PAAC Basic Site Survey field day will be held at Rabbit Mountain from 10 a.m. to about 5 p.m. All who took the class last Fall should plan to attend. Please call Ann Pipkins at 449-0851 or Kevin Black at 866-4671 to let them know that you will be there. If you have any questions, call one of the above. You need the field experience to be able to fill out the forms, so give

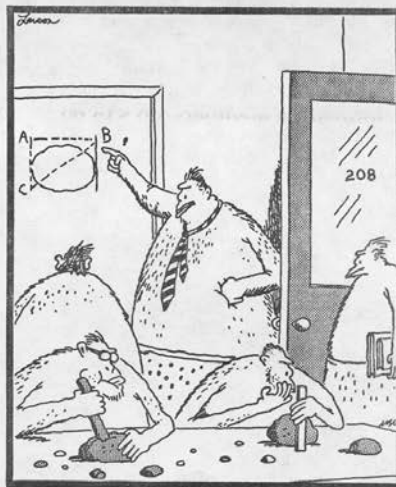
Kevin or Ann a call and get set for a fun time on Rabbit Mountain. Yes, there are sites there. Boots, hiking clothes, lunch, and water are recommended. Also quads, compass, clipboard, and other survey equipment (read your notes from the class) are popular.

On June 10, Sue Strothers will hold a Mapping Workshop at the Beech site. This is a real chance to improve our map-making skills and get site forms filled out for PAAC certification. We have a number of certifiable, but not-yet-certified surveyors in the group. There will be professionals and certified surveyors (hopefully) to help with the paperwork. There will also be a pot-luck lunch so bring meat for the grill and a dish to share. The time is 10 a.m. sharp!

Don't forget the CAS Encampment June 30 to July 2 at Silver Jack Reservoir. Elsewhere in the Calumet is a registration form. Among other exciting things, the GREAT GRAND NABOB will be present, atlatl in hand for the atlatl competition. This year, there will be a special class event for modern atlatls - the space-age material types



At a critical moment, Zak's club jams.



Rock Shop 101

THE CALUMET

LYONS CHAPTER EXECUTIVE BOARD FOR 1989

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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

Make checks payable to Lyons Chapter - Colorado Archaeological Society
 Mail to Jeanie Hamilton, 1100 Deer Trail Road, Boulder, CO 80302

Name(s) _____

Address _____

Phone numbers _____ (h) _____ (w)