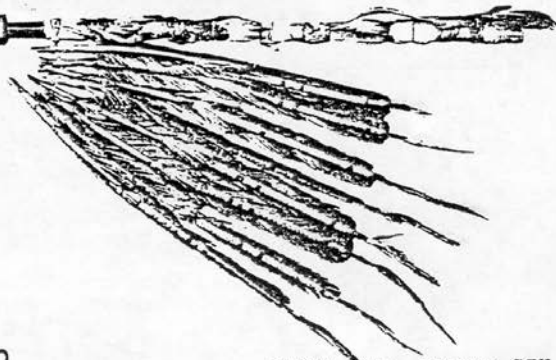




Lyons Chapter
Colorado Archaeological Society
P. O. Box 663, Niwot, CO 80544

THE CALUMET



Conservation
Preservation
Education
Appreciation

JANUARY 1987

ISSUE ONE, VOLUMN SIX

GREETINGS FROM OUR NEW PRESIDENT

As the new president of the Lyons Chapter, I find that I have a pretty tough act to follow. For the past three years the Lyons Chapter of the Colorado Archaeological Society has been presided over by Bill Boyle and Leni Clubb who have been the very heart and soul of the Chapter. A Class Act indeed. In the past three years the membership ranks have swelled to one hundred and thirteen members. The chapter has been active in Field Surveys, PAAC classes, developing workshops, and has had many interesting speakers at the regular meetings. Our chapter has gone from being "that mythical Lyons Chapter" to being one of the most active and fastest growing in the State. This is progress which we can all be proud of. In the next year, I hope to build on the solid foundation which has been nurtured for these past years by Leni and Bill. I hope to extend our field season by aggressive surveying and reporting of sites, building a solid youth oriented education program and expand our workshops. All of which can be accomplished with the active participation from our many talented members. With your help, I look forward to a good year of growth and accomplishment.

Sue Struthers

CALENDAR

- Jan. 17 CAS Quarterly Board of Directors Meeting, Pueblo, Colorado, Hampton Inn. Chapter Presidents, CAS Representatives, Advisory Committee to OSAC, Chapter PAAC Coordinators urged to attend.
- Jan. 20 Lyons Chapter Executive Committee Meeting, 7 AM, at Cleo & Dick Barnes, The Meridian, 801 Gillaspie, #110. See map further on. All 1986 and 1987 officers and committee chairmen requested to attend.

CALENDAR (Continued)

Jan. 27 Lyons Chapter Regular Meeting, 7:30 PM, Room 199, Hellem's Bldg., C. U. Campus, Boulder. Speaker: Meg Van Ness, Ethnobotanist from Golden, CO. She will talk and show slides on the ethnobotany of Pinyon Canyon, southeastern Colorado.

PLAN AHEAD FOR THESE ACTIVITIES

Feb. 12-19- PAAC Class - Ceramic Description and Analysis, to be held at the Erie Methodist Church parlors, 604 Holbrook, Erie, CO. Minimum class size 10 persons. \$10.00 payable at time of registration. Deadline for sign-up Feb. 4th.
-12
March 31 Jack Eddy, NCAR, speaking on "Sunspots" (one of his mind-blowing presentations.) Don't miss it!
July 4 Second Annual Encampment, weekend camp at McFee Reservoir, near Durango. Victoria Atkins (1986 CAS President,) Coordinator.
Weekend
June 6-13 Honeymoon Ruin Excavation - 4 weeks. More information further
13-20 on this issue. This great experience had to be cancelled
20-27 last year, so be sure to get your reservation in early.
27-July 3 Maximum of 22 people a week. First come, first allowed.
July 17-18-19 Seventh Annual World Open Atlatl Contest. We haven't received any advance word on the event as yet, but put it on your calendar just in case. Will keep you posted.

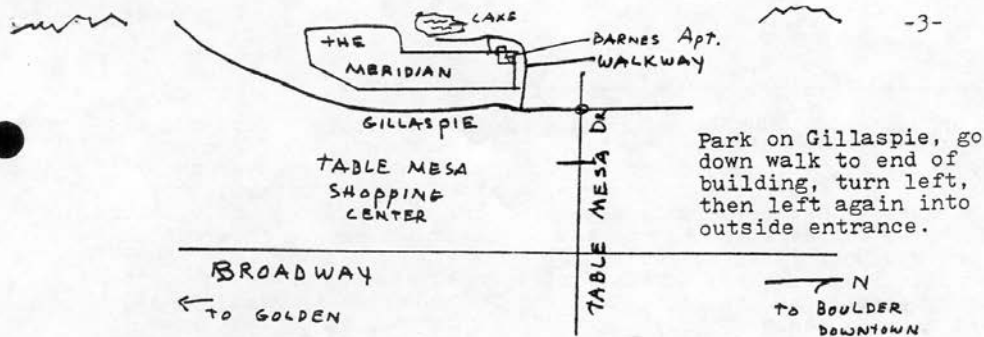
For other interesting activities see BITS & PIECES this issue.

FIRST QUARTERLY MEETING OF 1987 for CAS BOARD OF DIRECTORS, JAN. 17

Chapter Presidents, CAS Representatives, Advisory Committee members, Chapter PAAC Coordinators....and anyone else who is interested in the workings of the Colorado Archaeological Society may attend this meeting to be held at the Hampton Inn, Pueblo, on Saturday, January 17th. Presidents and other representatives have received information regarding times of the various meetings. The Pueblo Chapter is also planning a Wine & Cheese party at the Inn after the meetings. Our new 1987 CAS President, Marcia Tate, will preside. (Take Exit 102 off I-25)

LYONS CHAPTER EXECUTIVE COMMITTEE MEETING, JAN. 20

Orientation of officers and new committee chairmen is planned for this meeting to be held at Cleo and Dick's. 1986 officers and committee chairmen please bring any files you may have to turn over to the new committee people. This is a get-together to help ease the new Executive Committee into office with an exchange of ideas, recitation of successes and problems encountered during the fulfillment of each of the positions. Map is on next page. Both 1986 and 1987 members of the Executive Committee will receive an agenda in advance of the meeting.



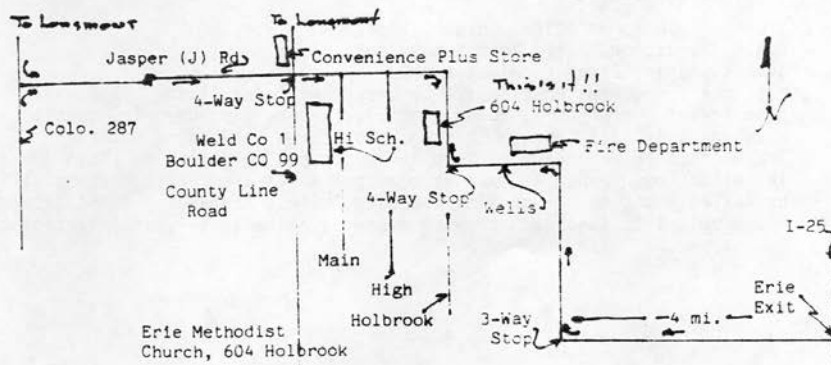
LYONS CHAPTER REGULAR MEETING, Jan. 27th

We will meet as usual in Room 199, Helms Bldg., C. U. Campus, Boulder at 7:30 PM. Our speaker will talk and show slides of her ethnobotany research at Pinyon Canyon in southeastern Colorado. The Pinyon Canyon Project on a military reservation has been in progress a long time and now has begun again under a new contract. Meg Van Ness of Golden has worked on the Project under both contracts identifying and classifying plant communities in this restricted area which is not open to the public. Those of you who have been in the general area know how beautiful and rugged it is. Come join us at our first meeting in 1987.

PAAC CLASS - CERAMIC DESCRIPTION AND ANALYSIS starts Feb. 12th.

Be sure to sign up early for this interesting class conducted by O D Mand, our favorite coordinator. The last time this class was held was in the Fall of 1983 so there must be many of you who will want to participate. It is one of the requirements for Certified Surveyor I. We must have a minimum of ten persons for O D to conduct the class. Under the new requirements is that participants must pay the \$10.00 fee in advance at the time they sign up and the deadline for sign up is Feb. 4th.

It will be held at the Erie Methodist Church parlors from 7 - 9 PM, 604 Holbrook, Erie. Call Rich or Sue Lippincott-828-3144 if you get lost. Sue says to come in the south door off the porch. There will be a light on the porch. Sign up and be prepared to pay the fee at the Jan. 27th meeting or call Ann Pipkins, Chapter PAAC Coordinator, 449-0851, and send her your check made out to PAAC to her address, 4500 - 19th, #456, Boulder, CO 80302. Map follows:



HONEYMOON RUIN EXCAVATION NEAR CORTEZ STARTS JUNE 6th

Due to unforeseen circumstances, and to a lot of people's disappointment, the Honeymoon Ruin dig had to be postponed until 1987 and now here is the first information on the schedule. We didn't hear about it directly so we lifted it bodily out of another chapter's newsletter (thanks, Pueblo Chapter). This dig is on private property and everyone from CAS will be there so contact any of the names on the information sheet and get your reservation. Honeymoon Ruin appears to be similar to archaeological features at the Dominguez Ruin which was part of the Dolores Project. The experience will be Southwestern Archaeology at its best and for those of you "diggers" who don't like to camp and want a hot shower after a day in the dirt, Cortez is only 5 miles away and the organizers will be sending out a list of the many Cortez motels soon.



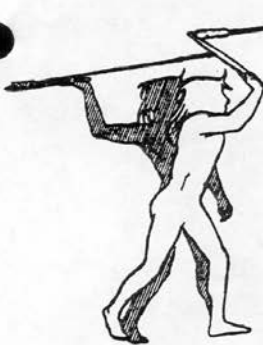
TAKE ACTION

HONEYMOON RUIN EXCAVATION: CORTEZ, COLORADO: JUNE 6 - July 3, 1987.

- WEEK I : June 6-13
- WEEK II June 13-20
- WEEK III June 20-27
- WEEK IV June 27-July 3

SIGNUPS WILL BE TAKEN FOR ONE WEEK AT A TIME, WE CAN ONLY TAKE A MAXIMUM OF TWENTY-TWO PEOPLE A WEEK. FIRST COME FIRST ALLOWED. THERE WILL BE SPACE FOR TENTS, CAMPERS, ETC. AT THE SITE-(NEAR BY). REQUIREMENTS: CAS MEMBERS ONLY (OR IMMEDIATE FAMILY, AS SPACE WILL ALLOW). EACH PERSON ATTENDING WILL CONTRIBUTE \$1.00 TOWARD FUNDS FOR A PORTA-POTTIE, OK? WE WILL WORK ON GETTING ONE TO THE CAMP. YOU MAY CONTACT Ivol Hagar, (986-2483) 12453 W. Tennessee Pl., Lakewood, CO 80228 or Sloan Schwint, (223-9016) 937 Arbor, Fort Collins, CO 80526.
 SLOAN SCHWINDT, Principal Investigator
 Don E. Nordstrom, Field Work Supervisor
 Ivol K. Hagar, Crews coordinator
 Listings for Cortez Motels will be broadcast later (soon). You will need to bring from home, food, clothing, water, camping gear, tents, sleeping bags, etc. enough to supply you for a week, plus tools. Transportation from camp to town is important, this Site is about 4-5 miles from town. As soon as the four weeks are filled up, you will be mailed a map on how to find the site. Bless Archaeology, and Sloan. She promises to take each crew on a one day side trip--very interesting.

BITS & PIECES FROM YOUR EDITOR



A-HAH!! You all thought I had forgotten all about the ATLTL! But never fear, the "bug" has bitten again and a little practicing was going on over the lovely New Year's Holiday! By the way, we have word from AUTHORITIES that the word is correctly pronounced At-lat-l (like in Atlantic) with the accent on the "lat". We really should schedule some weekend days to get in practice again for the Second Annual Encampment as well as the Saratoga affair. Call Leni (652-2203) and set up some dates.

We haven't heard from the Saratoga folks yet this year, but expect too soon. It is always the third weekend in July. We will let you know in the Calumet.

**** **** **** ****

A lot of things are going on in Boulder and Denver in the next few weeks and months. Here are a few:

ANASAZI WORLD Exhibit, a Study of the Ancient Ones, featured at the Colorado History Museum (formerly the Colorado Heritage Center), 1300 Broadway, Denver, opens January 21st thru March 29, 1987. The Anasazi and their culture are documented in the national touring exhibition organized by the Smithsonian Institution Traveling Exhibition Service and the exhibit is supplemented in Denver by over 125 artifacts from Colorado Historical Society and loan collections of Anasazi, Spanish, and Pueblo materials. Museum hours are Monday thru Saturday, 10 AM to 4:30 PM and Sunday, open noon to 4:30 PM. Free to members of CHS, non-members \$2.50 for adults, \$1 children to 16 and Senior Citizens. Saturday, Jan. 24th is a FREE DAY.

YELLOW JACKET LECTURE by Lyons Chapter member, Dr. Fred Lange, C. U. Museum curator, will give a slide illustrated lecture on Yellow Jacket, a Four Corners Anasazi ceremonial center. Quite a few Lyons Chapter members have been at Yellow Jacket as crew members, some have worked with the artifacts in the C. U. Museum, on one of our Field Trips we visited the site and a tour of the excavations was conducted by Dr. Joe Ben Wheat. Dr. Lange has recently co-authored a publications entitled YELLOW JACKET: A FOUR CORNERS ANASAZI CEREMONIAL CENTER. Cost: Members of CHS \$2.50; non-members \$3.50. Reservations required. Call 866-3682. Date: February 2, 7:30 PM, Colorado State History Museum, 13th and Broadway, Denver. The Lange book cost: \$5.95

SOUTHWESTERN CERAMICS, lecture, tours and reception, University Museum, C. U. Campus. Lecture and Tour by Priscilla Ellwood and Jean Kindig, Museum Associates, C. U. Museum. (Priscilla is a CAS member and Jean is a Lyons CAS member). Lecture: 3:30-4:15 PM, UMC 157; Tour of Museum: 4:30-5:00 PM, Museum; Reception, Museum 5:00-6:00. Feb 13th.

WINTER RAPTORS - For you "birders", the Denver Museum of Natural History has scheduled a one day excursion and lecture by Charlie Chase, former Museum curator of ornithology. The trip will concentrate on the habitats and ecology of birds of prey residing in Colorado during the winter.

you will learn clues for identifying the different hawks, falcons and eagles. The trip will take you, carpool style, to Rocky Mountain Arsenal, Barr Lake and Jackson Reservoir. Directions will be given in the Thursday class. Scheduled for Thursday, Jan. 29th, the class will be held 7-10 PM at the Museum with the trip Saturday, Jan. 31st, 8 AM - 4 PM. For more information call: 370-6304. Cost: \$20 (includes \$5 tax-deductable donation).

CONGRATULATIONS ARE IN ORDER. Our 1986 Colorado Archaeological Society President, Victoria (Sounart) Atkins will be the new archaeologist at the Anasazi Heritage Center in Dolores. Her new position deals mostly with computers involving all of the data from the Dolores Project, as well as the overall literature for the SW part of the state. Good Luck, Victoria!

NOW FOR SOME INTERESTING ITEMS CLIPPED FROM VARIOUS NEWSPAPERS

The Sunday Denver Post

Calif. house carbon-dated to at least 9,750 years ago

By The Associated Press

FRESNO, Calif. — Remains of what scientists believe could be the oldest structure ever found in North America have been carbon-dated to at least 9,750 years ago, an archaeologist said Saturday.

The dating was made possible by the discovery of charcoal from a hearth found in the clay floor of what was once a 12-foot-long, oval-shaped residential building in the Sierra Nevada about 150 miles east of San Francisco.

"We are tremendously excited because this is the oldest structure apparently ever found in North America," said Melinda Peak, of Peak and Associates Inc. of Sacramento.

"It pushes back our knowledge about man and particularly his use of the mountains," she added. Peak's mother, Ann, is chief archaeologist for the family company which in August found the structural remains 8 feet underground while excavating the site of a hydroelectric project along a tributary of the Stanislaus River in Alpine County.

In addition to the remains of the structure near Bear Valley, the firm also discovered earlier this year 12,000-year-old spear points at a prehistoric campsite 30 miles away. The findings, according to scientists, may be cause for revising some of early man's history on the continent.

Remains discovered at Hell's

Gap, Wyo., which were dated at 8,000 years, previously were believed to mark the oldest man-made structure on the continent, said Peak.

The new find is expected to fuel a debate about how long ago humans migrated to North America. Sites and structures tentatively dated up to 32,000 years ago have been found in South America, but many scientists speculate that those early inhabitants may have come by boat across the ocean since few sites more than 6,000 years old have been found in North America.

Scientists are sharply divided over when migration to the Americas occurred. Some say humans arrived 20,000 to 35,000 years ago, while others contend migration began no more than 13,000 years ago.

The significance of the residential site in Gabbett Meadow at an elevation of 6,500 feet is that it indicates a longtime presence and established culture rather than a transient population, said Robert Bettinger, a prehistory specialist at the University of California in Davis.

He said if man was just arriving in North America 10,000 to 12,000 years ago, it is unlikely that permanent structures and campsites would be found.

Archaeological researchers in North America are concentrating on the question of man's arrival here,

Findings suggest early cannibalism

Associated Press

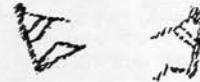
WASHINGTON — A team of scientists, including a University of Colorado researcher, say they have found solid evidence of cannibalism in a prehistoric cave in France, a discovery that fuels a debate over whether the notion of people eating human flesh is largely a myth.

Researchers say neolithic-period human bones found in a cave in southeastern France show the same evidence of butchering as animal bones at the same site.

The 6,000-year-old bones, dated from about 4,000 B.C., found in the Fontbregoua Cave, contain cut marks and breakpoints indicative of food preparation, scientists say in a report to be published today in the journal Science.

The treatment of the human bones obviously indicated it was not part of a funeral ritual, said Paola Villa, an anthropology research assistant at CU.

"The bones were broken to extract the marrow, as were the animal bones, and disposed of in a refuse pit," she said. Villa, Pat Shipman of Johns Hopkins University Medical School, and colleagues from France and Italy said further study is needed to see if their findings represent isolated events or more widely institutionalized practices.



● Cliff dwellers might have built for warfare, defense, not comfort

The prehistoric Indian cliff dwellers of the American Southwest might not have been as peaceable as has generally been thought since their ruins were discovered a century ago.

Anthropologist Jonathan Haas, director of programs and research at the School of American Research here, talks enthusiastically about what he calls "a very new, different way of looking at things in the Southwest."

For the past four years, Haas has been exploring the mesas, valleys, and canyons around the Navajo National Monument in northeastern Arizona, testing his theories of conflict among the Kayenta Anasazi Indians 700 to 800 years ago.

TSEGI CANYON SETTLEMENTS

This past summer, Haas and his research team, with support from the National Geographic Society, found two previously unknown settlements in the Tsegi Canyon system, in the heart of an area that has been intensively surveyed over the past 75 years.

One of the sites, accessible only by way of a naturally concealed crack in the precipitous sandstone of a 900-foot butte, was a 200-room pueblo, one of the largest ever found in the region and once home to a sizable Kayenta population atop the mesa.

The other new find was a 30-room pueblo, unvisited for more than seven centuries, in a canyon rock shelter that could be reached only by an expedition member who is a skilled climber.

Both locations, Haas concludes, must have been selected for only one reason: defense against possible attackers.

Neither, he thinks, could have been chosen for the reasons customarily attributed to the Anasazi: nearby arable land, readily available water, and protection from the weather.

Access to both required a rugged climb. Water and food sources were a considerable distance away. The

mesa-top pueblo offered scant protection from the often harsh elements; the rock-shelter pueblo was built on a relatively steep slant, its narrow ledge of front yard disappearing over a 140-foot cliff.

The combined discoveries helped "blow the whole hypothesis of people moving up to the headwaters of the canyon," Haas says. "No one has ever thought to look on top of that butte for a site."

GREAT PLACE TO LIVE?

Some Anasazi Indians had dwelt in relative comfort in cliff houses for centuries. But, in support of his argument that this year's find and other late-settled Kayenta cliff dwellings were built for defense, Haas asks, "If they were such great places to live, why didn't anybody live there before 1250?"

Traditional wisdom has held that drought and other environmental pressures forced the Anasazi up the canyons, closer to dwindling water sources, in the late 13th century. By the beginning of the 14th century they were gone.

Haas takes exception to the conventional wisdom. "What happens when the entire region is in poor condition?" he asks. "It's at that point that warfare breaks out. And it's a raiding-type warfare."

To get away from the raiders and establish solid defensive positions, the Kayenta sought sites such as the inaccessible mesa and rock shelter for their pueblos, Haas thinks. His major conclusion: "Warfare is a last resort for human populations."

Ancestors of the Kayenta Anasazi roamed the Southwest 10,000 years ago. By about 5000 B.C., nomadic bands were formed. Not until about A.D. 500 did a distinctive Kayenta culture start to emerge. Starting about 700, the Kayenta lived in pueblos.

In the Long House Valley of Arizona, where Haas has done much of his research, small villages appeared between A.D. 1000 and 1150.

By 1250, apparently as a result of

erosion, drought, and a sinking water table, villages on open sites were abandoned by the hundreds. The Kayenta started building hard-to-reach shelters on the buttes above the valley. Once-small villages consolidated in five distinct clusters. Pueblos of 75 to 400 rooms emerged.

Significantly, Haas notes, all five clusters were on high hilltops. All were strategically positioned to see each other. When a hill blocked the line of vision between two of the clusters, residents cut a notch in the hill. "The main thing you can infer from that pattern is that they were communicating with each other," Haas says.

WARFARE INCENTIVE

And one reason to communicate may have been warfare. Investigation of a nearby burial site disclosed only five males among 42 remains. This led Haas to think that most of the men in the settlement were away fighting battles. "It was tantalizing evidence," he says, "but not convincing."

Searching for conclusive evidence, he used topographic maps and a computer to pinpoint defensive site locations above the region's canyons. Through the computer he then located the sites that were linked visually.

It all came together. Long House Valley, Kietzla Valley, and Kayenta Valley had visually linked pueblos in defensive positions, and one pristine site had a six-foot stone wall. Only Tsegi Canyon, with its cliff dwelling, remained a question mark.

Haas considers this year's findings "all new stuff" that will shake a large limb on the tree of conventional anthropology. "People are beginning to look at patterns that have been staring them in the face for a long time, and recognize those patterns for what they are," he says.

IMPORTANT NOTICE:

In accordance with a decision of the Executive Committee of the Lyons Chapter, CAS, in 1983, this will be your last newsletter until your 1987 membership dues are paid. We are sure that this is just an oversight on your part and that you will not want to miss receiving The Calumet and the quarterly issues of SOUTHWESTERN LORE. Unless your 1987 dues are paid by January 31, 1987, you will not receive the March issue of S/W LORE. Subscription lists for the publication are compiled from membership rosters sent to the State CAS Treasurer.

If you cannot remember if you have sent in your dues or not, please look over the following list of renewals....and ACT if your name is not there:

Carol Ambruster
Dick & Cleo Barnes
Barry Beausoleil
Alan Bloom
William Boyle
Leni Clubb
Hallie Cash
Peter Christensen
Edna Collis
Vernon, Mary & Louise Derr
Ted, Kay, Troy, Nicole Evatz
Robin Farrington
Myriam Friggins
Dale & Pat Hatfield

NEW MEMBERS FOR 1987

Ann Hayes
Ada Jackson
Charles Kurfels
Diana Leonard
Tom & Beverly Meier
Steven Pitlock

Marsha Jepsen
Neal & Jean Kindig
Lee and Sue Lacey
Richard & Sue Lippincott
Gerald Lyons
Ann Phillips
Ann Pipkins & Bob McMillan
Payson Sheets
Sue Struthers & Mike Kimble
Mary Sucke
Laura Viola
La Verne Johnson
Donald Nordstrom
Anne & Jodi Struthers
Sandy Karhu

If your name is not on the list and you know you have sent in your check, please contact Leni at the meeting 1/27 or call 652-2203.

The good news is that 37% of the 1986 membership HAVE renewed.



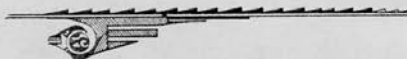
SPEAKING OF MEMBERSHIP...Tim Baugh, CAS Membership Secretary and the Lyons Chapter Professional Advisor for 1987, has called with an appeal for help in getting State CAS membership on his computer. He needs someone to type the names and addresses, affiliations, and membership status into his Lotus 1-2-3 Computer. If anyone of you can help him with the typing, please call him at his office at C. U., Boulder - 492-7419 from 9 - 11 every day or at his home in the evenings - 442-5224. Tim says that if you are not familiar with the Lotus, he will help you to learn it. Any help will be greatly appreciated.

1987 LYONS CHAPTER OFFICERS

PRESIDENT Sue Struthers, 8439 N. 63rd, Longmont 80501 776-2350
VICE PRESIDENT William Maxson, 827 Maxwell, Apt. E, Boulder, 80302 447-1947
SECRETARY Anita McHugh, Sugarloaf Star Route, Boulder, 80302 492-5262
TREASURER Pat Hatfield, 1951 Vista Dr., Boulder 80302 449-1706

CALUMET EDITOR Leni Clubb, 8191 N. 81st, Longmont 80501 652-2203

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, C. A. S.



1987 MEMBERSHIP APPLICATION

Membership in the Lyons Chapter runs concurrently with membership in the Colorado Archaeological Society with payment of combined dues.

Individual - \$15.00 (\$10.00 State, \$5.00 Chapter)

Family - \$22.00 (\$15.00 State, \$7.00 Chapter)

Memberships run from January 1, 1987 thru December 31, 1987

Check appropriate box: Indiv. _____ Family _____ New _____
Renewal _____

Name: _____
(If Family, list all names)

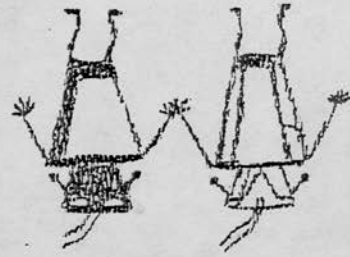
Address: _____ Phone _____

Yes, I want to contribute to the Alice Hamilton Scholarship Fund _____
Amount _____

Mail checks and application to Lyons Chapter, CAS, P. O. Box 663,
Niwot, CO 80544

Make scholarship fund check payable to: Alice Hamilton Scholarship Fund
to simplify bookkeeping for Chapter Treasurer.

Lent Clubb & Hallie Cash
8191 N. 81st St.
Longmont, CO 80501



Lyons Chapter, CAS
P. O. Box 663
Niwot, CO 80544

