



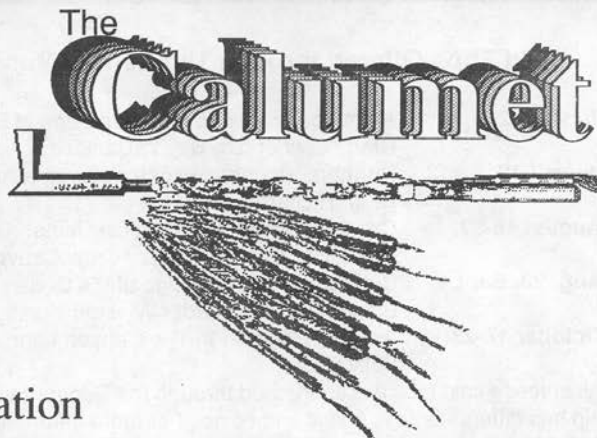
Lyons Chapter
Colorado Archaeological Society

Conservation

Preservation

Education

Exploration



Calendar of Events

- May 7-14** PAAC Class "Perishable Materials", to be held in Denver at the Colorado State History Museum, 1300 Broadway, 7-9pm. Call Ann Pipkins (449-0852) or OD Hand (866-4671) to sign up. There is a \$10.00 fee, checks to Ann at 4500 19th #456, Boulder CO.
- May 16-17** Flint knapping workshop at Lee Lacey's, 2262 Juniper Ct. Boulder (442-4400).
- May 19** Lyons Chapter Executive Board meeting, 7:30 pm, at Lee and Sue Lacey's, 2262 Juniper Ct. Boulder (442-4400).
- May 26** Lyons Chapter Regular meeting. Dr. Larry Todd, D.U., speaking on "Taphonomy, The Study of Animal Bone Assemblages in Prehistoric Sites."
- June 6-13** First week of the Honeymoon Ruin Dig at Cortez.
- June 6 -July 5** Images of Old Age in America, a Smithsonian Traveling Exhibit at the Longmont Museum.
- June 13** Lyons Chapter Summer Picnic, Struthers Farm.
- June 20** Solstice Celebration: PuebloHenge. Speaker Steve Manning, University of Utah.
- July 3-5** "Atlatis at McPhee" Second Annual Encampment at McPhee Reservoir. Registration form is in this newsletter. If you have questions, call Victoria Atkins at 882-4811 or 882-4984.

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REMINDER-

Saratoga has unfortunately been cancelled!

Field Trips Offered through The Denver Museum of Natural History.

- June 14-20** Archaeoastronomy. Western edge of Grand Gulch Plateau, southeastern Utah. Leader Dr. Ray Williamson.
- June 7-13** Northern Boundaries of the Kayenta Anasazi. Most of Utah. Leader Dr. J. Richard Ambler.
- August 16-22** Crow Canyon Archaeological Center, Dig for one week! Cortez, Colorado. Leader Staff of Crow Canyon.
- Aug. 23- Sept.4** Curation Program. Edge of the Cedars State Park/Museum, Blanding Utah. Leader Winston Hurst.
- October 17-23** Anasazi Rock Art In The Canyon Lands. Monticello, Utah. Leader Sally Cole.

All of these field trips are sponsored through the Denver Museum of Natural History. Each trip has different stress levels and costs. For more information call Pat Holwell mon- thur at 370-6304.

Excavation

The Swallow Site has opened and will remain open on the weekends. The dates are as follows:

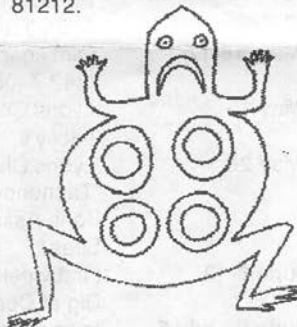
May	2-3, 9-10, 16-17, 30-31
June	13-14, 27-28
July	11-12, 22-23, 28-29
August	8-9, 22-23, 28-29
September	12-20, 26-27

For more information call the 1987 field directors: Doug Medina 239-8355, or Fred Rathbun 973-2319.

Field Trip

Earl Mead's Anthropological field study and Pecos Conference trip, has been approved for PAAC Seminar credit, and is open to all CAS members. It will cover an introduction to Pueblo Culture and Ethnology, and the Spanish Colonial period. Donation \$30.00 which includes the conference fee. For more information contact Earl S. Mead 1870 Central, Canon City, CO 81212 (303) 275-

6591, or the Royal Gorge Chapter, CAS PO Box 2005, Canon City, CO 81212.



Welcome to the 1987 Field Season

Sharon Pay, Information Office

Survey season is here and this is just a reminder that all CAS members are welcome to join in the fun. The people who have had the site survey class through PAAC certification program will be allowed to fill out the site forms to get their certification credit. The people who have not had lithics and ceramics will probably be paired up with someone who is more familiar with what artifacts look like. There will also be samples of flakes and ceramics with the field directors for those that are not sure of what to look for. This is a good time for learning and practicing, and we all went through it. We all stick together to help each other so don't let a little thing like not knowing what an artifact looks like stop you from coming out with us this summer. You certainly know what an eagle looks like, or a hawk, or a jackrabbit, or a coyote and we do see a lot of these. So come and have fun with us this field season and help make it count as the Lyons Chapter goes surveying. There will be sign-up sheets at the monthly meetings and announcements in the newsletter.

Obviously we could not complete the Mapping workshop and survey of White Rocks, due to bad weather. We have rescheduled both events for June 31st. Pray for decent weather.

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Speakers Column

Our May speaker will be Dr. Larry Todd from the University of Denver. His topic is "Taphonomy, the study of Bone Assemblages in Prehistoric Sites." This is of course a subject which is near and dear to my own heart. To look at taphonomic processes it is first very important to understand the nature of archaeological faunal remains. The main reasons for the study of animal bones is to understand the interactions between animals and people at the site, and to understand the processes by which animals are controlled by people and cultures. It is therefore very important to understand that animal bones in an archaeological site are (with a few exceptions) cultural remains, which would not be there without the direct intervention of man. When the bones are brought into the lab the first level of analysis is generally to assign taxonomic levels to each specimen. Taxonomic levels are of course the artificial classification first developed by Linneaus. This is of course the system of classification into biological groupings (species, genus, order, family...) which we all learned in high-school. This system of classification is important as all modern scientists world wide accept and have been trained to use it. It is important to note however that the actual inhabitants of the site most likely used their own folk taxonomic system which is completely different from our taxonomic system. Animal bones are wonderful because each species has a distinct shape to their bones which can be readily discerned after careful observation. Most cultural modifications can be readily discovered and quantified for scientific study. Faunal remains can return tremendous amounts of information on cultural practices. There are forces other than cultural practices which can skew the representations of a faunal assemblage. This is where the study of taphonomy comes in to the picture. Taphonomy is the study of the forces affecting the dispersment and deposition of faunal remains. Taphonomic space is defined by Hesse and Wapnish as "the geographic area over which a single example of an animal category is likely to be dispersed. The concept is applicable at any level. It can be used to refer to the space over which the fragments of a single bone, a single carcass, or all the carcasses of a species or group of species have spread." (*Hesse and Wapnish, 1985*). The forces which act upon the deposition can include things like butchering patterns, carnivore feeding, traffic patterns within a site or even something as simple as bones sliding down a slope. While this theory seems to be very straight forward, as with any theory the more research that is done the more questions that are raised. Thus Taphonomy has become a full blown subdiscipline within archaeology and requires full time specialists like Dr. Todd.

I have placed my copy of *Animal Bone Archaeology, From Objectives to Analysis* by Brian Hesse and Paula Wapnish, on temporary loan in our CAS library. It is an excellent introductory book into Zooarchaeology, so please feel free to borrow it. After all, our library is there to be used! Also, if there is any interest in zooarch I would be willing to arrange lab experience for anyone who is interested.

Hesse, Brian and Paula Wapnish *Animal Bones in Archaeology*.
1985 Taraxacum Inc.



Bits and Pieces From the Prez.

by Sue Struthers

OSAC - At the last quarterly meeting Leslie Wildesen reported on the status of the State Register Act and OSAC regulations. These regulations will be under review by the Attorney General's office, before the process is opened for public review. One portion of the regulations which is currently under fire is the part which places Paleontological finds on Public Lands under the jurisdiction of OSAC. Leslie has already received several negative letters from the usual sources and has requested some positive letters from us. I will get a copy of the old regulations to have available for anyone who is interested in writing a letter. It is very important that these resources be protected, and with the general budget crunch I doubt that funds will ever be found anywhere else for their protection. So it is imperative that we show our support once again. Call me for more information.

Tax Exempt - CAS is now officially a non-profit, tax exempt organization. "But what about our tax exempt number?" Well, we still have to wait out some more bureaucratic red tape. Ivor has it well under control and he will be in touch as matters progress.

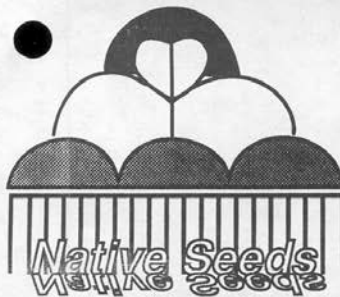
APDAR - There is a new movement afoot in the state CAS board of directors to computerize the APDAR forms. So Brian O'Neil has asked all of the chapters to poll their members to find volunteers who have their own computers to create a network for the APDAR records. Anyone who is interested should contact me with the pertinent facts about your computer. This information should include computer make (IBM, APPLE, COMPAC...), memory capabilities, software owned and used, and modem information. If you are at all interested in the APDAR program this would be a terrific way to begin.

Saratoga - Unless you have been out of town this news will not be new, but it is now official. Saratoga has been canceled for this year (Boo - Hiss). However there will be atlatl competition at Encampment so we will just have to have all of our fun at McPhee this year! Our own Robin Farrington is making the most beautiful medals out of pewter for the atlatl competition, so everyone should be out in force hoping to win one of these beauties!

Atlatl Teams - We will have both men's and women's teams at the atlatl competition at McPhee. Sign up sheets for these teams will be available at the meetings. Times and places for practices will be arranged by the team captains who will be elected by the team members. Verril and Nancy Root have kindly offered their home for practices, also I will set up some ranges at the Farm. So make sure you are signed up, so we can make a good showing at McPhee!

T-Shirts - We still have some t-shirts from our first order which have not been picked up! I will try to contact those people so that we can collect the rest of the money owed, and not have people walking around shirtless.

Books - We will have three books available which may interest flintknappers. They are *Story in Stone*, *Flint types of the Central and Southern U.S.* (\$20), *Art of Flint Knapping* (\$10), and *Art of Making Primitive Bows* (\$7). We must have a minimum of six books per title in order to



-by Sharon Pay

*This
months
featured
seed:*

*Goose
foot*

Native Seeds

By Sharon Pay

There are many different types of greens on these prairies and deserts of ours. They were a staple and favorite of our ancestors from way back. The Indians gathered them for their varied flavors and their versatility. Greens are high in concentrations of iron, calcium, and vitamins A and B. They can be boiled, steamed, baked, dried for future use, and even ground up to be used as a poultice or tonic.

Two very favorites which are still being used today are Lamb's Quarters (*Chenopodium album*) and Salt Greens (*Chenopodium murale*). Both belong to the Chenopodiaceae, or Goosefoot family, which also includes beets and spinach. In Europe, before the introduction of spinach, Lamb's Quarters was considered a first rate vegetable. The black seeds can be used fresh and whole, or dried and ground to make a dark meal that can be used in bread or mush. The plant takes its common name from the fact that its leaves resemble a goose's foot or a lamb's quarter. The flowers of this plant are tiny, greenish and knot-like; and precede clusters of small 1/16 inch wide black lens shaped seeds which are housed in a papery white envelope. These seeds have a very high germination rate and stay viable for many years, as in the case with seeds that have been dug up and are dated at 2000 years. They make a good substitute for poppy seeds.

When the plant is young the whole thing may be harvested. After it is taller, only the new leaves and tender tops should be collected. The greens may be steamed over low heat for 15 to 20 minutes and eaten topped with butter, sour cream, or cream cheese. Or you may want to try the following recipe.

Lamb's Quarters Burritos

- | | |
|---------|---------------------------------------|
| 1 | onion chopped |
| 2 | garlic cloves |
| 1 cup | Lamb's Quarters young leaves, chopped |
| 3 tblsp | olive oil |
| 1 | tomato, chopped |
| | precooked, spiced pinto beans |
| | flour tortillas |
| | Grated cheese |

Sauté onions, garlic cloves and, Lamb's Quarters leaves in hot oil until soft. Remove from heat and add tomato. Place cooked pinto beans on flour tortilla, add 1 to 2 tablespoons of the vegetables. Sprinkle with cheese and roll up to eat.

Continued on page 9



Desert Wind

Desert Wind

by Leni Clubb

Cinco de Mayo celebrations everywhere in this Spanish speaking country. Business in El Centro today took us "to town" and by the time we returned to "Sundance", the thermometer on the porch read 106°! But never mind, the house will be cool.... to find that when we left this morning when it was cool, we had neglected to turn on the cooling machine. Gad!

So we begin again. Last Saturday we went on our first "dig" up in the mountains at Jacumba (pronounced with a "hiach") with a field school group from IVC (Imperial Valley College) led by Jay von Werlhof. A property owner had been digging for a water line and started throwing out pottery, flakes etc. so called and asked for someone to come up. When we arrived, we found that the neighboring property owners who also had interest in the line ditch, didn't want an excavation for all the usual reasons - pothunters, vandals, etc. so we just surveyed and were allowed to screen the back dirt. I maintained my reputation of finding something on any dig I participate in as I found an unusual alignment of stones of both pink and white quartz and feldspar rock propped up on them. Jay identified it as a *shaman's hearth* and everybody got real excited. I also found the only real tool - a well used cobble tool - sort of a scraper. We found lots of porphyry flakes both black and green as well as thin fine sherds, a portable mortar (metate to you guys), ect. but we have a lot to learn.... and everything new including the language of this California archaeology.

I have been invited to work at the museum in El Centro and start tomorrow morning. It seems they need someone to organize things and to curate artifacts. (editors note "It seems to me that they have just found someone!") I was also asked to be on the Planning Board for the new museum in Ocotillo which meets May 14th.

Welcome New Members!

Welcome aboard to the Lyons Chapter of CAS. As a new member there is a lot to look forward to: Workshops, surveys, lectures, picnics and events. And it's a chance to discover what makes Colorado Archeology so interesting. We look forward to your participation. We hope you'll find being a member of the Lyons chapter of CAS very rewarding!

Ivor Hagar	Joel Hurmence	Eva Lacey	Armelle Clorennec	Joanne Stemm
12453 W. Tennessee Place	3842 Crescent Dr.	4440 Laguna Place	1300 30th Apt B4-	N. Star Route Box
Lakewood, CO	Ft. Collins, CO	Apt.109	27	358
80228	80526	Boulder, CO	Boulder, CO 80303	Lyons, CO 80540
	(303) 223-8393	80303	(303) 786-1991	(303) 823-6128

Youth Education Program

By Peter Christensen

Last year's Lyons chapter executive board came up with the idea of promoting youth participation in CAS. This idea was enthusiastically supported by State CAS, and the office of the State Archaeologist. The initial plan was to arrange and sponsor a series of activities geared towards youth, that would foster the stated goals of our chapter, namely the promotion of conservation, and exploration in archaeology. A few children of adult members did join our chapter and even participated in our now famous atlatl events.

This year, in an effort to reach a wider youth audience the Lyons executive board has decided to shift the focus of the youth program from "activities" to "educational programs". Several members of our chapter have already presented talks to youth groups, Kay Evatz, Jean Kindig, and Robin Farrington, to name just a few! In order to organize and expand this program we are asking any members who would like to become involved to please take the time to fill out and return the short form in this news letter. This year's Youth program coordinator Peter Christensen, is compiling a data base of the people and resources within our Lyons chapter to be made available to school classes, parks and recreation departments, and other public youth organizations in our area. Several teachers have already expressed hope that they would be able to schedule appropriate talks, story tellers, and demonstrations within the class history units. there may even be some stipend money available for your time, travel, and supplies. So please help get this important service program rolling in 1987. The greatest impact that we can have is to reach people with our message of archaeological ethics and conservation. If this is not done by the time children are in their teens, then the message carries less impact and is much harder to educate the them concerning archaeological vandalism as adults.

Name _____ Phone# _____

Subjects which you would like to present: _____

Age of child which you would be willing to talk to: _____

Hobbies which could be incorporated into talks: _____

Materials which are needed for presentation _____

Past experience: _____

Would you be willing to help train others how to present? _____

Lyons Chapter Executive Board Meeting, April 21, 1987

at 8439 N. 63rd, Longmont, 7:15 PM

Call to Order: Struthers. Present were Christensen, Collis, Hatfield, Lacey, Maxon, McHugh, Pay, Pipkins, Riggs.

Old Business:

CAS Quarterly meeting will be Fri And Sat the 25th and 26th of April at the First National Bank in Canon City.

****Ways and Means:** the Last T-Shirt order was for approximately \$90. We are Allowing people to Order T-Shirts and pay for them when they pick them up. Unfortunately, we have to pay with the order. The original plan was to collect at least half with the order. We will return to that policy. Having the newsletter copied costs approximately \$20 for 150 copies. (Less than 150 copies costs the same). The cost per newsletter for the past month was \$.39 each including mailing. We have extra copies of the newsletter. We will be able to distribute complimentary copies to other interested people and organizations as well.

We received a brochure on some books that might interest the membership. There are three books including Stories in stone and Flint Types of the Southern United States. These cover mostly the south and middle west. Lyons chapter will order the books for any members that would be interested in purchasing. Lee Lacey has a copy that chapter members could look at before ordering.

****Atlatl's at McPhee Encampment:** July 3, 4 & 5. This year there will be men's and women's teams. The Encampment will become the annual Atlatl competition. Robin is making the medals for the encampment atlatl competition. Atlatl practice will be evenings or weekends after work. The team captains (elected by the teams) will arrange teams. A sign up sheet will be at the meeting and notice will be in the newsletter.

****PAAC:** The Perishable Materials class starts May 7th in Denver. So far there are 3 from the Lyons chapter going. Ann Pipkins has a paid position in archaeology in Utah for the summer. Larry Riggs volunteered to take on the PAAC coordinator duties for the summer. Interest has been expressed in a Site survey course locally.

****Treasurer:** As of March 31, the balance in the treasury was \$411.52. We owe on the next T-Shirt order. This does

not reflect the income from the last T-Shirt order, or newsletter expenses.

**** Field Director:** Sign up sheets and maps for the White Rocks survey will be available at the meeting. It's a mile walk into the area we will be surveying, over rocky steep terrain. It starts at the Valmont trailhead. Sharon has to have all names on the permit. The mapping workshop will be held on public land. Laura has all information she needs for the Boulder County survey and forms for the first 63 sites.

In general, only those people who have completed the site survey class will be allowed to participate in the survey work. If there are enough experienced people on the survey, a novice could walk next to a pro to learn. There will be a blurb in the newsletter explaining the survey policy. There should be a box of 'goodies' to explain to people what they are looking for.

****Speakers:** The May speaker will be Larry Todd on Taphonomy. Jane Day of the Denver Museum of Natural History will probably be the September speaker. Bill will contact Barbara Moulard about the possibility of her speaking on the Influence of Meso American Cultures on the Prehistory of the Southwest.

****Youth Program:** We have decided to focus on education instead of activities at this time. Peter will coordinate a list of programs and personalities to speak at schools and classes and make presentations for youth groups. He needs a resource list and will send a questionnaire to all members. The program list will go to Boulder and Longmont Schools. The chapter will help with tips on developing the course material.

Fire Side Talks: The city or county has a summer program on Flagstaff and at the Foothills Nature Center on North Broadway. It is not youth oriented, but the program list can be sent to them too. We really need to have it together to volunteer for the county.

****Ghost Ranch in New Mexico** has summer programs in archaeology. Denver chapter members are involved and so is Kay Evatz. Ghost Ranch is owned by the Presbyterian Church.

****Chapter focus:** There has been discussion of promoting trips and studies and going in different directions. Sometimes it is better to focus and do a good job at a few things rather than a halfway job at lots of things. Lyons Chapter will place a strong emphasis in survey, lectures, PAAC programs and the youth program. That will be about it. They all relate to education.

****Next meeting** will be Tuesday, May 19th at 7:30PM at Lee Lacey's, 2262 Juniper Court, Boulder, 80302.

****Meeting Adjourned** at 9:20Pm (MSP).

From the Prez.-

order, so get your orders in fast. Lee Lacey has copies of these books in case you would like to see them before you order. To order call me at 776-2350.

We have some good news and some bad news! The good news is that both Ann Pipkins and Sharon Pay have jobs in archaeology during the summer! The bad news is that they will not have the time (and they will be in Utah) to carry out their duties. But the good news is that our new member Larry Riggs will fill in as PAAC coordinator, and Sharon will be able to carry out her duties long distance. Luckily there is no more bad news, let's keep it that way.

Lyons Chapter, CAS, Executive Board For 1987

Officers:

President: Sue Struthers, 8439 N 63rd, Longmont 80501 (776-2350, 492-4482)
Vice President: William Maxson, 827 Maxwell #E, Boulder 80302 (447-1947)
Secretary: Anita McHugh, Box 13812, Boulder 80308 (449-6127)
Treasurer: Pat Hatfield, 1951 Vista Dr., Boulder 80302 (449-1702)

Standing Committee Chairpersons:

Directors: Leni Clubb, P.O. Box 56, Ocotillo, CA 92259
 William Boyle, 1001 Peakview Cir., Boulder 80302 (442-3682)
 Lee Lacey, 2262 Juniper Ct., Boulder 80302 (442-4400)
 Cleo Barnes, 801 Gillaspie Dr., Boulder 80303 (499-1335)
CAS Representatives: Mark Chenault, CB #218, CU, Boulder 80309 (492-8881)
CAS Rep. Alternate: John Cater, 2-B Centaur Ct., Lafayette 80026 (665-0140)
Librarian: Sue Lacey, 2262 Juniper Ct., Boulder 80302 (442-4400)
Professional Advisor: Tim Baugh, 3025 Broadway #26, Boulder 80302 (442-5224)

Advisory Committee To State Archaeologist:

Professional: Fred Lange, 1553 Mt. Evans, Longmont 80501 (772-2012)
Avocational: Anne Pipkins, 4500 19th #456, Boulder 80302 (449-0851)

Field Directors: Robin Farrington, 704 Mohawk #5, Boulder 80303 (499-1582)
 Laura Viola, 2857 Shadow Creek Dr., Boulder 80303 (442-2019)
Project Infor. Officer: Sharon Pay, 5000 Butte #116, Boulder 80301 (443-3042)
PAAC Coordinator: Ann Pipkins, 4500 19th #456, Boulder 80302 (449-0851)
Publicity: Edna Collis, 2800 Kalmia #203 B, Boulder 80302 (444-0853)
 Mary Sucke, 972 Martin Rd., Longmont 80501 (772-9538)
Ways & Means: Jodi Struthers, 8439 N 63rd, Longmont CO 80501 (776-8907)
Youth Program: Peter Christensen, Salina Star Route, Boulder 80302 (447-9311)
The Calumet Editor: Michael Kimble, 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.

Native Seeds cont.-

Salt greens are lower to the ground and have a delicate salty taste. Their leaves can be used in the same way as Lamb's Quarters. Either plant gathered out in the wild or you can cultivate your own in your garden. The Lyons chapter belongs to Native Seeds/Search and has many varieties of seeds available. The seeds cost

\$2.00/pk., and 50% of that price goes to the chapter. This month we are offering the Salt Greens seeds (*Chenopodium murale*). When you collect a native seed each month just think how interesting your garden will be next year. The closing date for orders is two (2) weeks from the mailing of the newsletter. Send \$2.00 to Sharon at 5000 Butte #116, Boulder CO. 80301. Hope you have enjoyed this first in a series of articles

on native seeds.

- 1979 McPherson, Alan and Sue
Edible and Useful Plants of the Urban West. Pruett Publishing Company, Boulder, Colorado
- 1987 Native Seed/Search.
1987 Seed Listing, Tucson, Arizona.

Please submit this form as part of your 1987 Encampment Registration:

Name: _____

Mailing Address: _____

Campground Fee:	\$1.00 x _____ person(s) x _____ days	=	\$ _____
Food fee:	\$3.50 (adult) x _____ person(s)	=	\$ _____
	\$2.50 (child) x _____ person(s)	=	\$ _____
subtotal		=	\$ _____

T-Shirt orders:

Name: _____

Address: _____

T-Shirts: \$7.00 x _____ shirts = \$ _____
 with "Atlatis at McPhee" logo (Raspberry color)

Specify quantity of size: adult _____ small _____ medium _____ large _____ extra large _____

child _____ one sizeFinal total = \$ _____

Please make checks payable to the San Juan Chapter, CAS, and send to Janice Schefftel, c/o May-
 nes, Bradford, & Shipa, P. O. Box 2717, Durango, CO 81302.

T-Shirts are available only through preregistration, as only this amount will be ordered. The T-Shirts
 will be Raspberry colored.

All inquiries can be made to Victoria Atkins, P. O. Box 987, Dolores, CO 81323; Phone: (wk) 882-
 4811 or, (hm) 822-4984. Hope to see you soon.



LYONS CHAPTER, CAS
 P.O. BOX 663
 NIWOT, CO 80544



Ieni Clubb & Hallie Cash
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 Ocotillo, CA 92259-0056