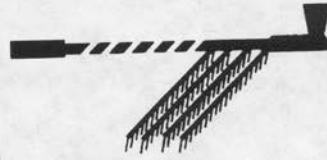


Jan 1994, Vol 2, No 1

# CALUMET



*Newsletter for the Indian Peaks Chapter of the Colorado Archaeological Society*

## CALENDAR OF EVENTS

**Tuesday, Jan 11** / Colorado Scientific Society, "The Age of the Earth", Speaker: Dr G. Brent Dalrymple. Metal Hall, Green Center, Colorado School of Mines, Golden, Co.

**Saturday, Jan 15** / State Board Meeting. Grand Junction, Co

**Tuesday, Jan 18** / IPCAS Executive Board Meeting, 7:30 PM at the Boulder Police Bureau, 1803 33rd Street, Community Room. (To be admitted, dial 3300 on the vestibule phone.

**Tuesday, Jan 25** / IPCAS MEMBERSHIP MEETING. "Sacred Sites, Ancestral Graves, and the Archaeology of an 8,000 Year Old Skeleton Found in the Colorado Mountains". Speaker: Kenny Frost, Ute Liaison for the Forest Service and Bureau of Land Management. NIST Auditorium, 325 Broadway, 7:30 PM. Anasazi Basketmaker Papers from the Wetherill-Grand Gulch Symposium (\$13.95 per copy) and Rock Creek T-shirts (\$15 each) will be on sale.

**Tuesday, Feb 15** / IPCAS Executive Board Meeting. (Same as address and time as above.)

**Tuesday, Feb 22** / IPCAS MEMBERSHIP MEETING. Topic to be announced.

**March 20 - 26** / 1994 ARCHAEOLOGICAL AWARENESS WEEK.

## 1994 IPCAS OFFICERS

The 1994 Officers are shown on the Calumet cover sheet. The Board of Directors and Committee Chairpersons are also shown. Note the 1994 CAS Annual Dinner Chairperson - Ann Mutaw. (IPCAS hosts 1994 Annual Dinner.)

## JAN IPCAS MEETING

**January 25, 1994, 7:30 P.M., NIST Auditorium, 325 Broadway, Boulder.**

A slide and lecture presentation by Kenny Frost on "Sacred Sites, Ancestral Graves and the Archaeology of an 8,000 year old Skeleton found in the Colorado Mountains".

Kenny Frost is a member of the Southern Ute Indian Tribe and is the Cultural Heritage Officer for the Sundance Research Institute and Museum of Craig, Colorado. He also serves in an official capacity as Ute liaison for both the Forest Service and the Bureau of Land Management.

Kenny's direct involvement and assistance in April of 1993 produced a week of activities designated as "Ute Awareness Week" by proclamations from Governor Roy Romer as well as the mayors of Glenwood Springs and Aspen. This special week included precedent setting training sessions for government employees and history making events such as a summit meeting of all three Ute Nations and the first Pow Wow in Glenwood Springs. Probably the most important result of this week was the signing of an agreement between three National forests and Ute tribes for the protection of sacred sites. As a result of his hard work Kenny was awarded the forest Service's prestigious National Volunteer Award for 1993.

Kenny was a participant in the professional team which removed and repatriated the ancient skeletal remains found in a high altitude cave in the White River National forest in 1989.

Ken was involved in the interment ceremony, the first of its kind for the Forest Service in implementing the Native Graves Protection Act, and remains on the Special Cave

CONSERVATION PRESERVATION EDUCATION EXPLORATION

Management Team that continues to help manage this important site.

The enigmatic skeleton was determined to be 8,000 year old and represents one on only two such ancient remains ever found in Colorado.

There were no diagnostic artifacts found with the remains and consequently the interpretation of how this male individual came to rest in the cave is very much open to interpretation.

Kenny Frost's interpretation is based on his Native American heritage whose oral traditions and practices inform the scientific understanding of the use of such high altitude sites by ancestors of the Ute people.

Kenny has also been involved as a consultant on the interpretation of the controversial Arkansas Mountain site in Boulder County where he worked with Pete Gleichman, one of IPCAS's professional advisors.

Ken will discuss why ancestral remains are sacred to his people and how sacred remains and sacred sites should be treated.

## INDIAN PEAKS HORIZONS

New year, 1994 approaches, and with it, the end of my term as IPCAS President. At the November 23, 1993 meeting, the Calumet peace pipe (the IPCAS insignia of leadership) was transferred to the capable hands of Steve Montgomery, thus inaugurating him as the 1994 IPCAS President. What luck for me and for all of you! Steve has served along with me as Vice President and program chair for the past two years. Anyone who has attended our meetings and field programs can attest to his energy, organizational talents, and boundless enthusiasm for archaeology, both as a topic and as an activity.

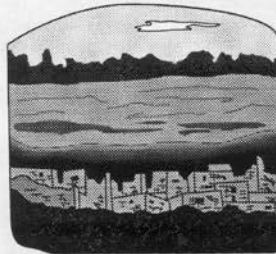
Now is the time to review my two-year term and to thank those who have contributed to our present state of well-being.

First of all, we have grown. Since I took office in January, 1992, IPCAS membership has increased from approximately 85 to a grand total of 120 members. I feel this is largely due to the excellence of our speakers series, which featured professional and avocational archaeologists of real distinction, such as Payson Sheets, Robert Hohlfelder, Gordon Tucker, Dennis Stanford, Bob Powell and Janet Lever. No doubt it was also due to the quality of the field trips and field programs we offered. IPCAS members had the opportunity to explore high

altitude Front Range sites with James Benedict, Steve Cassells, and Jean Kindig, to search for stone circles on Flatirons Mesa with Dock Teegarden, and to tour the Four Corners with Florence Lister. Linda Parks, a talented graphic artist designed the exceedingly attractive logo and brochure, which also helped attract new members.

During July and August of 1993, thirty-eight of us assisted in the dig at Rock Creek under the expert direction of Pete Gleichman and his staff. IPCAS membership was required for participation, and, for many, this was an incentive to join. Four of these new members will serve on our 1994 board.

There are several people I especially wish to thank for outstanding support to our organization and to me personally. Jeannie Hamilton, who has managed our finances and membership records with unfailing competence and good cheer for longer than I know, offered permanent storage to the precious IPCAS archives and tools. They are now stashed in Jeannie's airtight, mouse-tight grain room! Ed Grefrath faithfully edited and modernized the Calumet with the latest in graphic applications, giving it a striking "new look". Hilary Reynolds oversaw printing and mailing of Ed's Calumet masters. Past President Rick Lippincott worked on the proposal that won us the Colorado Historic Fund grant to excavate at Rock Creek, and also acted as the chapter's field director (completing surveys of the Abernathy and McGilvery cabins). Jean Kindig and Anita McHugh were devoted PAAC coordinators. Bob Powell wrote meticulous reports for state board meetings. Edna Devai, assisted by Sue Lippincott, was perfection in her ticklish role as volunteer coordinator for the Rock Creek



professional job of updating our bylaws. Julie Johnson found us the gracious "Meeting Place" (with fantastic parking) in Crossroads Mall for membership meetings, and Dorothy Teegarden found us the modern community room at the Boulder Police Station for executive board meetings. Kevin Black taught PAAC classes in his incomparable pithy, lucid style (and we all passed the exams!). Pam Baker cheerfully put in extra hours excavating at Rock Creek when we were suddenly shorthanded, took excellent minutes,

and acted as our liaison to Dowe Flats. Thanks from the bottom of my heart to each and every one of you, and to anyone I failed to mention due to space limitations. You have permanently enriched my life!

Being President wasn't easy, but getting to know you while watching the organization grow made it all worthwhile.

Ann Hayes, Past President, IPCAS

## IPCAS EX BD MTG - 11/16/93

Attendees: Ann Hayes, Steve Montgomery, Jeannie Hamilton, Bob Powell, Edna Devai, Julia Johnson, Laura Viola, Maureen Arthur, Tom Cree, Ken Larson and Pamela Baker.

Summary of minutes:

- \* Oct 19, 1993 minutes were approved.
- \* Motion made and approved to pay \$150 toward Ken Frost's expenses for the Jan 94 General Meeting.
- \* Equipment and archives are now housed at Jeannie Hamilton's. She needs hanging files to organize the materials.
- \* Rock Creek Interpretive Project - Maureen Arthur reported that plans are progressing toward creation of a Colorado Front Range prehistoric trunk with a Rock Creek focus.
- \* **The Annual Meeting and Dinner will be October 28 & 29, 1994.**
- \* Computer Database - Request received for permission to put the Rock Creek data on a computer network for high school students. The request will be reviewed by Bob Powell and forwarded to Pete Gleichman.
- \* **Motion made and seconded to increase the annual dues for individuals for 1994 to \$25.00 per year.**

Submitted for the Secretary by Pamela Baker.

### Hot to date a rock artist

Where the Pecos and Devils rivers meet the Rio Grande, ancient peoples with a penchant for painting took refuge in shelters dug into limestone cliffs. Pictographs of panthers, spear-throwing shamans and other figures cover some of these places from stem to stem and from floor to ceiling.

Determining the dates of pictographs helps scientists reconstruct vanished cultures. To obtain their date data, archaeologists and anthropologists traditionally have relied on indirect evidence, including radiocarbon dates of deposits on and near the art, as well as imagery in the paintings.

Direct radiocarbon dating of cave paintings has been mostly out of the question because of scientists' inability to distinguish the inorganic carbon in the limestone "canvas" from the paint's organic carbon, say chemist Marvin W. Rowe of Texas A&M University in College Station. The organic carbon in ancient paints derives from blood, plant resin, juice or other "binders," which, like modern oil- or water-based binders, carried pigments and adhered to surfaces.

Several years ago, Texas A&M anthropologist Harry J. Shafer

met Rowe on campus and posed the question: Is there any way to separate a sample's inorganic and organic carbon components to allow direct dating? In the Dec 20/27 1990 NATURE, Shafer and Rowe, along with chemists Marian Hyman and Jon Russ, describe a technique that seems up to the task.

The researchers tested their method on a thin, limestone-backed fragment of a pictograph that Shafer had found on the ground of a prehistoric shelter in southwest Texas. They scraped paint powder from the limestone and placed the powder in a partial vacuum for a week to let atmospheric carbon dioxide evaporate away. Next, they swamped the sample with an oxygen plasma. The reactive oxygen, although too cool to affect inorganic carbon in the limestone (calcium carbonate), converted the sample's organic carbon into carbon dioxide. The chemists collected this date-bearing gas, now free of contamination by inorganic carbon, by condensing it as dry ice onto a cold surface. Others entered the picture at this point. A commercial lab purified the carbon dioxide and converted it into all-carbon graphite - a form well suited for sensitive dating techniques. Next, the graphite took a trip to a Swiss research facility where scientists analyzed it by accelerator mass spectrometry, which precisely compared the relative amounts of radioactive and stable carbon isotopes.



The resulting ratio suggests the ancient artists prepared their paint 3885 years ago, give or take a century. That's far more precise than the "2000 to 6000 years ago" range indicated by indirect methods, Rowe says.

"As organic carbon is a ubiquitous component of pictograph paints, this technique should be applicable to rock paintings throughout the world," the Texas researchers conclude.

Reprinted from SCIENCE NEWS, Vol 139, JANUARY 19, 1991.

### CAS LONG RANGE PLANNING COMMITTEE

At the annual meeting in Telluride, a motion was passed to establish a long range planning committee under the direction of the new executive secretary, **Larry Riggs**.

Some suggested mind joggers are: What is CAS doing right or what doing wrong? Membership - how are new members attracted? Southwestern Lore and/or other publications. Future projects, trips, Conferences/Symposia. Where should CAS be 2 years, 5 years, 10 years from now.

If you have some ideas for Larry call him at 449-2852.

1994 INDIAN PEAKS OFFICERS

MEMBERSHIP APPLICATION

PRESIDENT Steve Montgomery 443-4414  
 VICE PRESIDENT Ken Larson  
 SECRETARY Maaureen Arthur 431-8342  
 TREAS/MEMBER Jeannie Hamilton 443-9221

Please check one: \_\_\_\_\_ Date: \_\_\_\_\_  
 Individual \$25/yr  New  
 Family \$25/yr  Renewal

DIRECTORS:

Hillary Reynolds 530-1229 Pam Baker 772-2888  
 Sue Lippincott 828-3144 Ann Hayes 494-3773  
 Dock Teegarden 494-6496 Leni Clubb (610)358-7835  
 TOM ARSE 776-1004

Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ ZIP \_\_\_\_\_  
 Telephone \_\_\_\_\_

Please make check payable to: Indian Peaks Chapter, CAS

Mail To: P.O. Box 18301, Boulder, CO 80308

To receive membership card & roster, enclose a stamped, self-add envelope.

COMMITTEE CHAIRPERSONS:

CAS REPRESENTATIVE Bob Powell 494-9445  
 PROFESSIONAL ADVISOR Bob Mutaw 666-0437  
 PROJECT INFO OFFICER Laura Viola 442-2019  
 PAAC COOR's Janet & Morey Stinson 530-7727  
 CALUMET EDITOR Ed Grefrath 444-2091  
 CAS ANNUAL DINNER CHAIRPERSON: Ann Mutaw

When you join the Indian Peaks Chapter of CAS, you will receive our monthly newsletter, *The Calumet*, & the CAS quarterly Magazine, *Southwestern Lore*. You will be informed of recent developments in Colorado Archaeology as well as field surveys to locate and record archaeological sites, travel opportunities to places of archaeological interest, courses and workshops in archaeology, and monthly meetings featuring guest speakers.

THE CALUMET --- INDIAN PEAKS CHAPTER

CALUMET

Newsletter for the Indian Peaks Chapter  
 of the Colorado Archaeological Society

P. O. Box 18301

Boulder, CO 80308



1294  
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Number on the mailing label above is the mon/yr your membership renewal is due.