

Schedule of Events

March 15 & 16

CCPA Annual Meeting in Cortez

Tuesday, March 19

IPCAS Executive Board Meeting

7:30 pm. / Boulder Police Bureau.

1085 33rd Street, Boulder.

Tuesday, March 26

IPCAS General meeting

Dr. William Butler

Archaeologist at Rocky Mountain

National Park will speak on

Ilinwek

(See article that follows)

and also tell about this summer's field work opportunities in RMNP.

7:30 pm at The Meeting Place

SW end of Crossroads Mall.

Enter mall by corridor south of Round the Corner and walk 50 feet to meeting room..

Monday, April 8

Professor Leslie Preston Day

Classics Dept. / Wabash College

Life and Death in Dark Age Crete: The Evidence from Kvousi

7:30 pm at the CU Museum

15th & Bdwy in Boulder.

Free and open to the public..

April 10 - 14

SAA meetings in New Orleans, LA

April 20

CAS Quarterly Meeting, Durango

May 12 to May 18

Archaeology Week is upon us!

Bill Butler to speak on Ilinwek on March 26

During their famous expedition of the Mississippi River, Marquette and Joliet visited the village occupied by what was probably the Peoria band of the Illini tribe in 1673. The village was thought to be in Iowa, but archaeological investigations have confirmed that it is in northeastern Missouri.

Excavations at Ilinwek have uncovered one long house (ca, 65 feet by 25 feet) and recent geophysical investigations have identified the location of at least four other buried structures. Material culture recovered from over 100 cache pits in the house include brass and metal items, beads, pipes, ceramics and other early trade items, probably of French origin. Sites associated with Euro-american and Indian contact are extremely rare, and investigations at Ilinwek have provided a unique opportunity to illuminate Native American life. Dr. Butler's slide-talk will include an overview of the history and prehistory of the site, a description of the geophysical techniques used, and the results.

Dr. Bill Butler has done field work in California, Arizona, New Mexico, Wyoming, Missouri, and Colorado. He has published and presented papers

on topics such as faunal analysis, the atlatl, burials, tool kits, ceramics, archaeological taxonomies, geophysical investigations and cultural resource management issues. many of his publications are in Southwestern Lore. His Ph.D dissertation is on the prehistory on northeastern Colorado. For the past 19 years he has been with the Interagency Archaeological Services Program within the National Park Service in Denver. He is now the Archaeologist at Rocky Mountain National Park.

1996 FIELD OPPORTUNITIES

The following are opportunities for volunteers in archaeology in our area. If you are interested in any of these projects, please contact me, Tom Cree, at 776-7004. I will provide your name to the person running the project and act as coordinator, getting information to you regarding the projects for which you have volunteered. This is an interest survey, not a commitment. You can change your mind or, in some cases, work part of the time.

For new volunteers, "survey" means to look for, measure, and record any collection of artifacts or objects. A survey crew does a lot of walking and performs archaeology only when something is found (such as a collection of flakes or projectile points, or a stone ring).

"Testing" means to carefully dig a hole that is usually 50 centimeters long by 50 centimeters wide by 50 centimeters deep, and to record anything that is found. Testing is designed to determine if a location found during a survey is worth the time and effort of excavation.

"Excavation" involves an established site, digging within grid lines, and recording all information derived (usually within narrow layers as the dig progresses).

March, April, & Early May

Michael Olendorf will be working on a number of sites near two others that he is completing. He will need volunteers on Tuesdays, Thursdays, and weekends for the next 2 months to survey, test and do some limited excavation. The sites are along a game trail, 3 miles west of Lyons. Some of the work opportunities will occur on short notice. Michael will be serving an internship with the National Forest Service during the summer, so work will continue on weekends during May, June, July, and part of August.

Volunteers to date: Martha Patterson, Dave Pearson, Pam Baker, Quentin Baker, Maureen Arthur, Dave Phillips, Ann Phillips, Connie Duras, Tom Cree.

Late May

Tentative plans for a survey of a game drive system at the YMCA of the Rockies ranch near Estes Park. Some testing will be done. More information will be provided as available. Supervisor is Bob Brunswig. Volunteers, to date: Warren Bradshaw, Dave Pearson, Connie Duras, Martha Patterson, Tom Cree.

June, any time:

Survey of four cabins in the Roosevelt National Forest, Boulder County. The forest service needs the assistance of a qualified person to survey, measure, and photograph the exterior of historic cabins and out buildings for documentation with the State Historic Preservation Office (SHPO) and the National Register. The work can be performed at the convenience of the volunteer.

Volunteers, to date: Martha Patterson, Warren Bradshaw & Tim Cree & Ginny Cree.

June 8th - June 15th

Picketwire Canyon survey. This will be a survey for possible archaeological evidence in the Picketwire Canyon, south of La Junta. Ten volunteers are

needed to work in rugged terrain. Volunteers must serve the eight days. This is a Passport In Time (PIT) project. There will be a central campground area and a bunkhouse. Supervised Al Kane, Pike and San Isabel National Forests. Volunteers, to date: Dave Pearson.

June 26th - July 5th

Pawnee Grasslands. The first week of the field school will be used to survey the area surrounding the West Stoneham Archaeological District. Accommodations will probably be the "green giant" highway maintenance shed and grounds in Stoneham (motels are available in Sterling and Fort Morgan). Inexperienced volunteers will be paired with more experienced persons. Volunteers may participate in any combination of days during the session. July 4th will probably be an "off" day. Supervisor is Bob Brunswig. Volunteers, to date: Warren Bradshaw, Ken Larson, Frank Shaller, Michael Braitberg, Dave Pearson, Connie Duras, Martha Patterson, Tom Cree.

July 6th - July 18th:

Pawnee Grasslands. The last two weeks of the field school will be used for survey and testing in the area of Indian Caves, northeast of the West Stoneham Archaeological District. Similar conditions and arrangements as the first week.

Volunteers, to date: Martha Patterson, Warren Bradshaw, Ken Larson, Frank Schaller, Michael Braitberg, Connie Duras, Tom Cree.

July 29th - August 2nd

Two excavations in Devil's Thumb Valley will be supervised by Jim Benedict and Jean Kindig. Jean will be excavating at the Devil's Thumb Pass Trail, where last summer provided twenty-five potsherds, three projectile points, a projectile point tip, and a bifacial knife. Jim will be excavating in a funnel-shaped game drive that was first tested in 1994. Charcoal associated with the game drive was dated at 9390 +/- 70 BP. Twelve volunteers will be used at both sites, interchanging duties in six-member teams. These excavations are for the experienced. Volunteers must work for the five days and be able to backpack six miles, carrying all gear, with a 2,000-foot climb to the sites at 11,200 feet. The scenery is SPECTACULAR. Volunteers, to date: Pam and Quentin Baker, Kathy Mauz, Bonnie Pitblado and R.A. Varney, Steven Cassels, Jerry Morrow, Mike Landem, Dave Pearson.

August 5th - 16th

Ft. Laramie, Wyoming - Fisher Site, Hageman Narrows Site, and Ten Mile Stage Station. The excavation sites are five miles north of Ft. Laramie, on private property. Access is through a farmer's "ranch road" - back-country vehicles only. The stage station is a new survey and excavation on one of the stops for the Cheyenne-Deadwood Stage Line. Volunteers may work less than the full session. Cost for the full session is \$300. Camping areas are available. Motels are available at Torrington. Supervised by George Zeimens. George needs to have volunteers commit by April 15.

Volunteers to date: Warren Bradshaw, Ken Larson, Dave Pearson.

August 5th - 9th

Caribou Lake - High altitude excavation requiring physical ability to hike 4 miles, climbing 3,000 feet, carrying all gear. Volunteers must serve the five days and cross Continental Divide to get to the site. Limited to first 10 volunteers. Supervised by Bonnie Pitblado.

August 12th - 16th

Caribou Lake - Second session of the Caribou Lake excavations. Also limited to 10 volunteers. Volunteers, to date: Warren Bradshaw, Dave Pearson.

September 28th - October 4th

Upper Huerfano drainage. This will be a survey, with a limited amount of testing, of the upper Huerfano river near La Veta. Ten volunteers are needed for the field work in a higher-altitude, rugged terrain. Volunteers must serve the seven days. This is a Passport In Time (PIT) project. There will be a central campground area. The area is very scenic. Al Kane, Pike and San Isabel National Forests, is the supervisor.

Tom Cree / IPCAS Co-president

Escalante Hike to Take Place April 30 - May 11.

Ken Evans is organizing a 6 day hike in the Escalante River area in Utah. The trip will be led by Fred Blackburn of Cortez, CO, an informed and resourceful back country guide and former BLM ranger. Several day hikes will explore some of the canyons on the north side of the river off the Burr Trail road. An overnight backpack will go to a magnificent Barrier Canyon style rock art panel. Cost is \$375. Space is limited. For more information and a detailed trip itinerary call Ken Evans at 499-8743 or e-mail: kevans@ball.com.

Comments Invited on ARNF Forest Service Management Plan and EIS

The Forest Service has prepared six alternative plans for the future of the Arapahoe Roosevelt National Forest and Pawnee National Grasslands, a management area stretching from the town of Evergreen, north to Wyoming and east to Nebraska, and have invited all interested parties to participate in the decision making process.

Each of these plans will impact the cultural resources found on these lands in a different way. Any plan which increases motorized travel or commodity production will also increase the destruction of archaeological sites.

The Comment period continues through April 15th. Open houses are being held up and down the Front Range during the next few months. Boulder's open house will be on March 13 from 6 to 9 pm at Centennial Middle School, just west of Norwood and 26th Street. Another will be held the same night at Nederland High School from 10 am to 2 pm. Send written comments to M. M. Underwood Jr. / Arapaho-Roosevelt Nat'l Forest / 240 West Prospect Street / Ft. Collins, CO 80526. Copies of the plan and impact statement are available at most local libraries and at Forest Service offices.

Here is a summary of the alternatives:

Alternative A would leave things as they are: a few new acquisitions, "multiple use" management, and an ever-increasing level of commodity production.

Alternative B is their preferred alternative, a "reasonable resolution of issues", balancing economic, recreational, and ecosystem management principles.

Alternative C stresses increased timber and mineral production, the theme being "economic stability", while preserving scenery for recreation and tourism.

Alternative E favors increased "recreational opportunities", primarily by increasing off-highway vehicle access.

Alternative H was conceptualized by the Colorado Environmental Coalition and is called the "Citizen's Management Alternative". This plan would increase wilderness protection, decrease motorized travel, and "protect the greater ecosystem from the worst effects of human use". It is the most desirable alternative from a conservationist point of view..

Alternative I proposed by the Ecosystem Council for Multiple Use, would increase motorized travel, "recreational opportunities", and commodity

production.

Only 5% of these public lands has as yet been inventoried, resulting in the discovery of 468 prehistoric sites, and 243 historic properties. Of these 711 properties, 102 may be eligible for the national Register of Historic Places (NRHP). Only 7 are currently listed.

Our comments will have an impact on the decisions that are about to be made. Our voices should be heard during this pivotal time.

- Michael John Landem

IPCAS Co-president

Rock Creek Abstract

This report documents archaeological investigations conducted at the Rock Creek Site during 1990, 1992, and 1993.

The site, which is located on land owned by the Boulder County Parks and Open Space Department in Eastern Boulder County, was actively eroding from the embankment of Rock Creek when discovered in 1989. Evaluative testing during the spring of 1990 was followed by data recovery excavations during 1990, 1992, and, in 1993, in areas of the site most severely threatened by erosion.

As a result of this work, 73 square meters of the site were excavated, revealing the presence of a shallowly buried ceramic period deposit over much of the site, and deeper early plains archaic and middle plains archaic. The investigations have documented thirty pit features, mainly fire pits, and 3,477 artifacts have been recovered, including ceramic sherds, a wide variety of chipped and groundstone tools, and bone tools. Biological remains, including faunal bone and teeth, botanical material, and blood residue on stone tools were recovered.

Analysis of the recovered data addresses chronology, cultural affiliation, site function, subsistence, and seasonality for the three periods of occupation.

13 radio carbon dates reveal that the Early Archaic occupation dates to approximately 6200 years BP. The Middle Archaic component dates to 3,000 BP, and a series of ceramic period occupations spanned approximately 1,100 to 650 BP (AD 850 to 1,300). The Ceramic Period occupation includes the transition from the Early Ceramic period to the Middle Ceramic period, generally thought to have occurred about AD 1,000.

Data from Rock Creek support the concept that the people living here were adapted to the Front Range and plains/foothills transition zone, and were neither hunting parties from settled villages on the Central Plains, nor a modified Upper Republican base culture. This multiple activity site was inhabited by a people engaged in a hunting and gathering lifestyle that utilized resources such as Boulder granodirite and Lyons sandstone from the base of the Front Range, lithic sources from the mountains, including Middle Park, as well as lithic material from the local plains. The Hog Back Complex is the most appropriate designation for the Ceramic period at the Rock Creek site.

Evidence from Rock Creek indicates that the occupants participated in an interactive sphere and/or seasonal round that extended well into the Front Range and Middle Park, and offers support for a rotary model of seasonal transhumence, involving the Front Range, intermontane parks, and the plains/foothills transition zone.

Wormington Award Honors Mort and Joanne Turner

The Center for the Study of the First Americans has honored two families with the H. Marie Wormington Award for contributions to First American studies. The awards are named for the late Marie Wormington, a leader in the study of earliest American prehistory.

Geologists Mort D. Turner and Joanne C. Turner of Boulder, Colorado, were sited for their role in getting the Center started. Joanne Turner was the

principal architect for developing the Center's advisory board, and is a charter member and secretary of the board. Her husband, Mort, helped develop the Center's scientific council and its publishing program.

Both Turners have been involved in the Center's research program, serving as co-investigators of the Mammoth Meadow site near Dillon, Montana.

Also honored was the Hall family of Corvallis, Oregon. Roberta Hall, a professor of anthropology at Oregon State University, was instrumental in helping the Center move to OSU from the University of Maine in 1991. Her husband, Don, has served as editor of the Mammoth Trumpet Since October 1991.

- Mark Floyd
Mammoth Trumpet
January 1996

March Minutes 3/19/96

Meeting called to Order 7:30 pm. Present: Avery, Braitburg, Cree, Hayes, Holien, Landem, Montgomery, Morrell, Owens, Patterson, M. Stinson.

Secretary's Report (Hayes)
February's Minutes approved as read.

Treasurers Report (Owens)
Cash balance is \$3,795.31 CALUMET mailing list has 75 paid, 33 at large.

Vice Presidents Report (Avery)
Up-coming speakers: Yardley Beers in April, TBA in May. No meetings during the summer. Bonnie Pitblado in Sept, E. James Dixon in October. Speakers not yet set for November and January 1997. Avery will provide microphone for speakers.

Search for new lecture hall continues.
Discussion about archaeologist Jean Clottes, France's leading rock art expert, speaking to large Audience. \$400 honorarium is set. Expenses for lodging, meals, airline ticket, advertising could total \$1,200. Possible dates: 5/4, 5/5, 5/20, & 5/21. Topics: French caves, rock art, Q & A. NIST hall is free but can only request donations. We would charge \$5 or more. Avery and Landem will look for another location.

Co-President's Report (Cree)
List of summer volunteer opportunities were mailed out early march. Distributed and discussed survey results. 18 - 20 surveys were returned.

Co-President's Report (Landem)
Presented IPCAS home page print-out. Will include maps, graphics, and CALUMET articles. Colorado Archaeology Network:
<http://netONE.com/~mlandem>
Home page is free to IPCAS, but netONE rep wants to attend our meeting & hand out their floppies to attract new subscribers.

Old Business
Rock Creek Report (Montgomery)
Report should come out in one month. Will check cost of printing 80 copies.

Library Inventory (Avery)
Put on back burner for now.

Project Archaeology Workshop (Hayes)
Nancy Silbert, CU Museum Education Coordinator, suggests .

Mailing List Update:
Some names added to list (Avery).

Library Inventory
Try to combine April or May Executive. Board. meeting with work session at MutawÕs to organize library (Avery).

New Business

Open Forum: Committee has not met. Meeting adjourned 9:30 pm
Ann Hayes for Kris Holien, Secretary

WorldÕs Oldest Paintings

Some of the paintings at Chauvet Cave in southern France were created 32,000 years ago, making them the worldÕs oldest cave art, according to new carbon dates. Discovered last December, the cave contains hundreds of images and engravings that were first dated to ca. 20,000 years ago, based on style.

Eight samples of charcoal from wall paintings and the cave floor were carbon-dated in European labs. Samples from paintings of two rhinos and a bison are astonishingly early, $30,340 \pm 570$ and $32,410 \pm 720$ years ago. Samples were taken from torch marks on the cave wall are more recent, $25,700 \pm 850$ years old, while some samples from the cave floor are younger still, $22,800 \pm 400$ years ago. Until now the worldÕs oldest dated painting was a hand stencil in the Cosquer Cave, near Marseilles, believed to be about 27,000 years old. The well-known art of Lascaux Cave is generally assigned to only 17,000 years ago. Caution is required in assessing the new dates because they give the age of the charcoal, but not necessarily the time when the paintings were made. It is possible that later cave dwellers painted with charcoal from fireplaces left by earlier occupants. Later torch marks (ca. 25,000 years old) are on top of calcite deposits that cover earlier paintings. Because of the paintingsÕ sophistication, most specialists had placed them in the Solutrean or Magdalenian period, between 20,000 and 13,000 years ago. If the paintings were indeed created 10,000 years earlier, radical adjustments to theories about the development of Stone Age art will be required. Sophisticated art was already known from this earlier period (more than 30,000 years ago) in southwestern Germany and Austria, but all in the form of small carvings. Rock or cave art in this period was thought to be rudimentary, artists not yet having mastered depicting three-dimensional forms.

From Archaeology, September/October, 1995.