

Schedule of Events

Saturday, January 25

IPCAS hosts CAS Quarterly Meeting 10 am / Louisville Public Library
950 Spruce St., Louisville.

Friday, January 31st

Anthropologists on War

A Panel Discussion with guest lecturers Dr. Lawrence Keeley, Dr. Steven
LeBlance, Dr. John Patton, & Dr. Doug Bamforth,
7 pm in Hale 270, CU Campus.

Thursday, February 6

IPCAS Executive Board Meeting

7:30 pm / Pub;public Safety Bureau

1805 - 33rd Street

Boulder.

Thursday, February 6

Power in the Rock: Petroglyphs and Pictographs in the West

Speaker is Dr. Lawrence Loendorf

7:30 pm at the Green Center, Colorado School of Mines, 16th and Arapahoe in
Golden.

Thursday, February 27

Mimbres Pottery and Archaeology: Pueblo Prehistory and Art in Southwest
New Mexico.

Talk by Steve Lekson co-sponsored with AIA, followed by special museum-
members-only tour of Mimbres pottery collection on Sunday,
March 2 at 2 pm.

Janet Lever and Courtney Yilk to Speak February 13

These two gifted artists will give related talks on rock art recording in far-
flung parts of the world.

Courtney has worked two field seasons recording the paintings of the
prehistoric peoples of Zimbabwe. She has also worked with Peter Garlake,
author of *A Hunter's Vision*. This presentation will be an introduction to a
number of sites around Harare, and look at the challenges and techniques of
tracing one rock painting, *Gambarimwe* for ten years.

Janet has been moonlighting as a rock art researcher while doing her pottery
and sculpture. Her talk will focus on work at a site in S.E. Utah.

There are parallel issues and concerns in methodology and recordation,
whether in Africa or the US. We will discuss these and entertain more
questions.

Tracing may be a time-consuming technique, but it is the only way to capture
the many faded details that are vital to the understanding of the paintings
and petroglyphs. Tracings do not take the place of the original images; They
are an indispensable tool in the study of the art. D.L. Williams

PAAC Classes to be Held in February and March

IPCAS will host two PAAC classes this spring. Both are 4 week classes. In
case you wonder, the initials PAAC mean Program for Avocational
Archaeological Certification. These mini classes in Colorado history and
archaeological methods will contribute greatly to your effectiveness in the
field and as an archaeological researcher.

The first class, Dating Methods, begins on February 26 and continues through
through March 19. The second class, Photography (for archaeologists), begins
on March 26, and ends on April 16.

All classes will be held at the Foothills Nature Center, 4201 N. Broadway in

Boulder, and begin at 6:30 pm, ending at 9:30 pm. Six classes take place on Wednesday nights. One will be held on Tuesday March 11 and another on Tuesday April 8.

Classes are co-sponsored by IPCAS and the Colorado Historical Society, and taught by Kevin Black, assistant state archaeologist.

The fee is \$12 per class, so if one signs up for both classes, the total fee to CHS will be \$24. There will be an additional \$5 fee to IPCAS, bringing the grand total to \$29.

To pre-register, send checks to Morey Stinson at 7418 Park Circle, Boulder 80301. For information about these and other PAAC classes taught by Kevin Black throughout the state call Morey at 530-7727.

Morey Stinson

Profile of a Docent

Morey and Janet Stinson are IPCAS Board members of long standing.

Together they have also served as the chapter's PAAC coordinators for many years. The following article appeared in a recent issue of Museum Insides, the newsletter of the CU Museum, in recognition of Morey's outstanding contributions as a docent for school groups.

The journey from a physics degree at the University of Louisville in Kentucky to the University of Colorado has been an interesting one for Morey Stinson. Shortly after college, Morey developed an interest and talent for computers which led to a job as research engineer on the Minute Man Missile Project. His career as a Systems Engineer with the Lockheed-Martin Corporation, where he still works full time, brought him to Colorado. A trip to Utah's Arches National Park in 1986 opened the world of southwestern archaeology to Morey. Exploring Canyonlands Park became a passion which inspired him to help found an organization of volunteers dedicated to preserving Utah's Grand Gulch. Morey spends two weeks every year camping in this area and talking to visitors about preserving these sites. This also enables him to photograph ancient rock art and newly-discovered sites.

Morey has volunteered with the Museum since 1993, leading hundreds of school children through the Anthropology Hall and introducing them to Anasazi culture. He claims that the first tour he gave to 25 ten-year-olds was more frightening than making a presentation to a panel of Air force generals! He's since overcome his nervousness. "Every group of children is different," he explains. So he adapts his program to fit their interests. You can see Morey in action nearly once a week, sometimes giving two programs in one day. In between, he enjoys spending time with his family - two daughters and a grandson - and supporting the Indian Peaks Chapter of the Colorado Archaeological Society.

The Morfield Reservoir

At our September meeting, Jack Smith presented two archeological puzzles concerning the upper plateaus of Mesa Verde. The first puzzle -- how could there have been an ample supply of water for the Anasazi living on Mesa Verde? -- was discussed in my previous note (CALUMET 11/96). The second puzzle -- what was the real purpose of the Morfield Reservoir? -- will be discussed here.

Jack, himself, had doubts about its function as a reservoir because the site is above the adjacent meadow and there is no water supply in the small valley. The clue to solution of this puzzle is the extreme hardness of the soil within the site. Jack mentioned that his crew had great difficulty digging into the soil because of its hardness and that a back hoe had broken while excavating at the site.

Soil deposited by water or air will not harden that much in a thousand years unless there is some additional force. Clay and silt soils will however harden to the consistency of unfired bricks if they are tamped repeatedly while moist. Motorized Osheeps foot rollers are used to harden the clay core of earthen dams and the foundations for major highways.

Present day Hopi and Zuni Indians perform dances in late summer, winter and early spring when soils are slightly damp from summer rains or winter snows. It is reasonable to assume that the ancient Anasazi also had ceremonial dances during these same seasons. Thousands, or even many thousands of compressions of damp soil by human feet will certainly harden a moist clay soil. But what was the source of the clay? Strong winter winds frequently cause large dust storms in southwestern Colorado. Those storms lift silt and clay soils off the barren slopes of Mancos Shale along Navajo Wash and at the base of Sleeping Ute Mountain just to the west of Mesa Verde. An explanation for the hardened soil at the Morfield Reservoir is complete: clay and silt are provided by the nearly annual dust storms, the clay soils are moistened by late summer rains and winter snows, and the moist clay soil is compacted by the feet of ceremonial dancers.

Again there is a clincher in the discussion: Jack showed a photo of the excavated cross-section of a rectangular inclusion in the soil at the site. That inclusion of different soil has the same shape and size as the storage pits (or drum resonators) that occur in the floors of so many Great Kivas of the Anasazi, places that were used for ceremonial dances or other gatherings for large numbers of people.

The Reservoir was actually a dance pavilion, or at least a gathering place, for the local Anasazi living on the upper plateaus of Mesa Verde many hundreds of years ago.

Seeking High Altitude Pack Rat Middens

Jim Benedict requests that we keep an eye out for pack rat middens during backcountry hikes. He is primarily interested in locations between 8,000 and 9,000. Please record locations and let Jim know at 459-3248

Volunteer Opportunities - 1997

The following is a long list of opportunities for volunteers who would like to do archaeological work in Colorado and/or neighboring states. Many of these are National Forest Service Passport In Time (PIT) programs. If you are interested in any of these projects, please contact me immediately. I will help you enroll (PIT Projects) or give you additional details. Opportunities appear in the order of the starting date but some are active for many months.

Volunteers need not stay for the entire session on most of the opportunities.

Tom Cree
(303) 776-7004
tlc@lanminds.com

Ashley National Forest, Utah

Sponsor: PIT Project,

Dates: Jan. 27 - 31, Feb. 10 - 14. Must commit to one full session

Work: Dutch John Lab Analysis. Reconstruct pottery. Wash, label, catalog, draw, and photograph artifacts.

Facilities: The government dorm in Dutch John.

Cost: Transportation to area and own food.

St. Vrain Drainage, west of Lyons, Colorado

Sponsor: Michael Oberndorf

Dates: March to October, mostly weekends.

Work: Survey and test excavations will continue on the Middle Fork Ranch. Survey will be performed on the Glacier View Ranch. Both ranches are private property.

Facilities: Work will be day-trips.

Cost: None. Volunteers must provide own transportation, equipment, and food.

Boulder County Cabin Surveys

Sponsor: National Forest Service.

Date(s): March to October, weekends.

Work: Team will perform class III cultural resource inventories of selected cabins on NFS land. Inventory work consists of pedestrian survey, photography, drawings, and verbal descriptions of cabins and outbuildings. The team will provide a written summary to the NFS, including appropriate SHPO forms and recommendations for future cabin use.

Facilities: Work will be day-trips.

Cost: None. Volunteers must provide own transportation, equipment, and food.

Nez Perce National Forest, Idaho.

Sponsor: PIT Project,

Dates: April 7 - 11. Must commit to the full session.

Work: The historic Moose Creek Ranger Station is located in the heart of the Selway-Bitterroot Wilderness. This gorgeous but rugged country, with its beautiful creeks, rivers, and mountains, became the hub of much activity around the turn of the century. Volunteers will help identify, photograph, and catalog items collected in 1895.

Facilities: Motels, restaurants, and RV parks available in Grangeville.

Cost: Transportation to area, own food, and lodging..

Pike & San Isabel National Forests, Colorado

Sponsor: PIT Project

Dates: April 20 - 25. Must commit to the full session.

Work: Picketwire Dinosaur Tracksite Maintenance. Picketwire Canyonlands is a spectacularly rugged area containing the Purgatoire Dinosaur Tracksite and other paleontological and archaeological resources. Volunteers will assist in stabilization and maintenance of the dinosaur tracks. The crew will help remove vegetation, debris, and silt, and stabilize the river bank. We also will examine the bedrock geology of the canyon for fossil locations. The project will include a tour of the famous Picketwire Canyonlands prehistoric rock art.

Facilities: The Forest Service will provide bunkhouse facilities in the Picketwire Canyonlands, or there will be space for tents or campers.

Cost: Transportation to area, own food, and lodging.

Main site, north of Greeley, 6 miles south of Wyoming border.

Sponsor: PIT Project. Director is Dr. Robert Brunswig.

Dates: Middle of May to end of May.

Work: Survey, testing, and excavation Facilities: Volunteers are responsible for own transportation, camping gear, equipment, food, and insurance.
Cost: None.

Santa Fe National Forest, New Mexico

Sponsor: PIT Project

Dates: May 18 - 23. Must commit to the full session.

Work: Gallina Cultural Site Identification. Help survey the beautiful high mesas of New Mexico for traces of the little-known Gallina Culture.

Volunteers will hike in rugged terrain to discover single- and multiple-room habitation structures, pit houses, cliff dwellings, and rock-art sites.

Facilities: Camping will be in a remote area without water. Temperatures will be extreme (30; F to 80; F+). Participants will be required to provide: their own transportation on rough dirt roads; camping equipment; and food.

Cost: None

Mitchell Springs near Cortez, CO

Sponsor: Glendale Community College

Dates: May 18 - 29, June 1 - 12, and June 15 - 26

Work: Field School. In the past six years, test trenches have indicated the presence of continuous Anasazi occupation from AD 700-1300. A new area of the 90-acre parcel will be tested. The project consists of an intensive, twelve-day, ten-hour-per-day experience.

Facilities: Local motels and restaurants.

Cost: \$321 tuition and fees. Volunteer provides travel to location and insurance.

Tecolote Pueblo, San Miguel County, New Mexico

New Mexico Highlands University, Las Vegas, New Mexico

Date(s): May 19 to June 8

Work: The field school will perform excavation and artifact analysis.

Facilities: Attendees responsible for all meals, lodging, travel and insurance.

Cost: \$251 tuition

Near Lowry Ruin, Cortez

Sponsor: Fort Lewis College

Dates: May 19 to July 4

Work: Field school. Part of a continuing, ten-year research project on an important site near Lowry Ruin. Facilities: Program provides insurance and local commute. Attendees are responsible for lodging (camping available), meals, and travel to location.

Cost: \$535 for tuition.

West Stoneham Archaeological District, west of Sterling, CO

Sponsor: PIT Project. Director is Dr. Bob Brunswig

Dates: Summer.

Work: An interpretive program will be established at the archaeological district including parking areas, trails, and signs. Volunteers with construction skills and/or equipment would be preferred, all volunteers are appreciated.

Facilities: Volunteers are responsible for lodging, meals, travel to location, and insurance.

Cost: None.

Hell Gap, Wyoming

Sponsor: University of Wyoming, George C. Frison Institute of Archaeology and Anthropology, Wyoming Archaeological Society, .

Dates: June 3 - 23. Must stay for at least one week.

Work: Excavations, stratigraphy, computer support techniques, archaeomagnetic sampling, pollen/soil/flotation sampling, grid system setup.

Facilities: Camping.

Cost: Volunteers responsible for all except meals and local commute. Must bring own tent and personal gear.

Smoky Hill Jasper Quarries, Kansas

Sponsor: Kansas State Historical Society, Kansas Anthropological Association

Dates: June 7 - 15

Work: A pedestrian survey along selected portions of the Smoky Hill and Saline River drainages to identify the distribution and kinds of aboriginal quarries used to mine jasper from the Smoky Hill chalk formation of western Kansas.

Facilities: Motels and restaurants in the area.

Cost: \$15 registration fee and all personal expenses.

Indian Caves, Pawnee Grasslands, west of Sterling, Colorado

Sponsor: PIT Project, Director is Dr. Robert Brunswig.

Dates: 3rd week of June to 3rd week of July.

Work: Project includes survey along the creek southwest of last year's camp, GPS and GPR survey, survey in Battle Canyon (private land).

Facilities: Volunteers must provide own camping gear, food, equipment, and insurance.

Cost: None.

Surveying of high altitude locations

Sponsor: Jean Kindig

Dates: Mid-July to late August or early September.

Work: Survey of promising locations above and slightly below tree-line.

Facilities: Most surveys will be day-trips.

Cost: None. Volunteers must provide transportation, food, equipment, and insurance.

Location: Middle Park Paleoindian Project, Kremmling, Colorado.

Sponsor: BLM, SHPO, and University of Wyoming

Date(s): July 12-26

Work: This project is an ongoing study of paleoindian occupations of high altitude Rocky Mountain regions. This year's investigations will concentrate on the Barger Gulch and 5GA639 (Cody-like material and bison bone) localities. Test units will be completed.

Facilities: Volunteers are responsible for all except meals and local commute. Must bring own tent and personal gear.

Cost: None

January IPCAS Board Meeting Minutes

Meeting called to order on 10/15/96 at 7:30 pm. at the Public Safety Bureau Bureau. Present: Avery, Braitburg, Cree, Damon, Holien, Landem, Miller, Morrell, Owens, Patterson, Shay, Smith, & M. Stinson.

Secretary's Report (Holien)
November minutes approved.

Treasurers Report (Owens)
Balance \$3351.84. 74 paid memberships. 40 free mailers.

Vice Presidents Report (Cree)
Volunteered to be CALUMET assistant Editor. Volunteer Opportunities: Early PIT Projects, Earthwatch, and Magnolia Survey will be listed in the next CALUMET. Still working on IPCAS Library inventory.

President's Report (Landem)
Organizing a geologic tour of NE Colorado in June, possibly with Pete Palmer. Requested suggestions for fall speakers. Cree, Landem, Miller, Morrell, Mutaw, A. Phillips and M. Stinson are hosting CAS Quarterly Meeting in Louisville on January 25..

Unfinished Business
Montgomery still has IPCAS equipment in storage. Would like to move to Avery's if space allows. Janet Lever has obtained 2 grants (total of \$2,000) for David Louis Williams's talk in May. Looking for a third sponsor. Speaker for Beverly Heumann's 7th & 8th grade classes is being sought. Book sales at monthly meetings at CU museum on hold.

New Business
New coffee pot needs to be purchased. Discussion of strategy and public relations to retain and gain new members -- Internet, CU, field projects, personal contacts. Shay will contact expired members.

Meeting adjourned at 8:20 pm.
Kris Holien, Secretary