

CALUMET



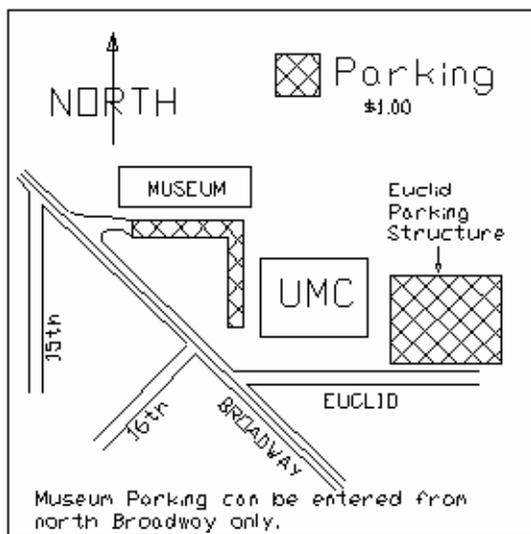
CONSERVATION
EDUCATION

PRESERVATION
EXPLORATION

Newsletter of the Indian Peaks Chapter of the Colorado Archaeological Society
MARCH, 2001

CALENDAR OF EVENTS

**General (lecture) meetings are held in the University of Colorado Museum, Dinosaur Room
Second Thursday of each Month, at 7:00 PM. The public is always welcome.**



The following is a situation that will last through next summer:

**I'm sure you noticed that our Museum parking lot 208 is off limits to non-permit holders, even at night. So, would you please pass that on to your members? They can park in the Euclid parking structure for \$1.25. Euclid parking lot is east of the Museum on Euclid. Just want to avoid tickets and towing.
Thanks, Carol Kliger**

After parking in the Euclid Parking Structure, walk west on Euclid to Broadway, follow Broadway on the sidewalk for one block and drop down into the Museum parking lot. It is only a few hundred yards.

March 8 IPCAS Presentation - Tom Meier, IPCAS Member. Topic: Sand Creek Massacre Site. Tom Meier, former Director of the Boulder Museum of History, participated as a member of the Northern Arapaho team in both the 1997 and 1999 surveys to determine "the location and extent" of the Sand Creek Massacre site. He will give a slide presentation on the evidence gathered to support the establishment of this new National Historic Site.

April 7 Magnolia Shelter testing – IPCAS Project

April 12 IPCAS Presentation - Jeanie Mobly-Tanaka, CU Museum Staff and Doctoral Student. Topic: Yellow Jacket Site in Southwestern Colorado.

April 15 Magnolia Shelter testing – IPCAS Project

April 18 AIA Presentation - Professor David W. Anthony, Anthropology Dept., Hartwick College. Topic: The Earliest Horseback Riders and Charioteers - Evidence from the Steppes.

May 10 IPCAS Presentation - To be determined.

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Road Survey in Wayne County, Utah

Michael John Landem

In the summer of 1998, I was part of an eight-man crew hired by the late Powers Elevation Company to perform pedestrian archaeological surveys of 647 miles of Wayne County roads crossing BLM lands.

Wayne County is about 100 miles long E-W and 25 miles wide N-S, encompassing a remarkable diversity of terrain and ecosystem. From the confluence of the Green and the Colorado Rivers on the east to Fish Lake and the headwaters of the Fremont River on the west, it contains large portions of both Canyonlands and Capital Reef National Parks.

The Henry Mountains, occasionally snow-capped as late as June or July, define the southern border of the eastern half of this huge County. To the north, the San Rafael Reef and San Rafael Swell stand between the Sinbad and the Green River Desert. The Reef holds pockets of deep water when all else is dry and must have served as a major prehistoric travel route and oasis in this region since Paleo times. It is full of rock art panels.

From the Pinon-Juniper covered plateaus and fabulous dissected canyons of the Maze and the Orange Cliffs districts, through the low deserts around Hanksville to the soft, melted topography and many-colored clay reefs of Caineville, eastern Wayne County is a land of impassable canyons, broad deserts, sparse vegetation and dramatic rock formations. The County is split down the middle by the towering shapes and brilliant colors of Capital Reef.

To the west is another world entirely. When you emerge from the deep gorge that the Fremont River has carved through this spectacular monument, you find yourself in a wide valley filled with orchards, houses and agriculture, surrounded by forested hills to the north and south, sage-covered hills to the west, beautiful rock formations of bright pastels, fields of alfalfa and fields of large basalt boulders. Seven towns exist in this half, fed by the Fremont River and the fierce determination of early Mormon settlers. Zane Grey ended his first trip west in this valley in 1907, taking back with him images that would capture the imaginations of many generations to come.

This was the land we were to survey. Negotiations, begun in March, dragged on into June when the job finally began. By late June, daytime temperatures regularly exceeded 100 degrees. We were required to average 10 miles per day, but a combination of extremely low humidity and the frequent ingestion of cold water made conditions far more bearable than thermometer alone would indicate. Only twice in the purple clay lands north of North Caineville Reef did I briefly grow dizzy and disoriented from the intense heat. After we moved our headquarters from Hanksville to Bicknell for the last half of the project, the higher elevations west of Capital Reef afforded mid-summer daytime temperatures comfortably between 70 and 90 degrees and heat was no longer a problem.

We began with the low deserts surrounding Hanksville, spending a fair amount of time during the first few weeks getting our trucks unstuck from the deep loose sand that composed many drainages and slopes. Some of the roads we were being paid to survey had long ago vanished under moving dunes and had to be followed by landmarks and compass readings alone. Finally we learned the wisdom of driving less and walking longer distances and those hours previously wasted became productive ones recording hundreds of sites and innumerable isolated finds.

The archaeology on both sides of Capital Reef is rich, plentiful and fascinating. Eastern Wayne County cherts are among the most varied and colorful lithic resources I have ever encountered. We had to use color descriptions not seen in any single chart: violet, orange, bright red, burgundy, lime green, yellow, blue, and peach. We discovered that we could not make the usual distinctions between cherts, jaspers and chalcedonies, as they were often mixed in a single specimen. We found lithic scatters along ridge tops and plateau edges that frequently extended for over three miles.

Pottery was less abundant. Near Canyonlands, we found about five ceramic sites containing sherds and smoothed handles (temp site # 194b-902) from stout jugs of what I tentatively identified as Emery Gray Ware (Jennings 1981). Most of the pottery in this region, corrugated or smooth, contained glittering black tempers of crushed basalt in a fine gray matrix. All of Wayne County is Fremont country, yet to the west, where small sherds of this same material blended perfectly with the weathered gray basalts that make up most of the sage hills around Loa, we found only two ceramic sites.

Only in the Bull Creek area, south of Hanksville, were ceramics of many different kinds scattered liberally across low gravel ridges and eroded house mounds. This area, declared an archaeological district over twenty years ago, is a broad valley (formerly subject to frequent inundation) that became a Fremont agricultural settlement in 780 AD and continued to be used extensively until around 1250 AD (Jennings 1981) when the water source, Bull Creek, was pirated away by a neighboring canyon (Hunt 1946). These people traded liberally with Fremont and other groups: Virgin, Kayenta, even Mesa Verde, for pottery as exotically named as Tsegi Orange Ware, Shinarump Brown, Moenkopi Corrugated and Dead Man's Black-on-Red (Jennings 1981).

The points we found varied greatly in morphology and workmanship, stylistically spanning six or seven thousand years. Some huge sites had few or none, stripped by collectors over the past century and a half; some small sites were amazingly rich in complete, undamaged formal tools, untouched it seemed since the last residents suddenly departed.

I found a hafted Fremont knife blade made of translucent white chalcedony less than an eighth of an inch thick that measured 4 1/2 inches long by 1 1/2 inches wide. In the same site, (e179b-201) we found a beautifully made Humboldt Concave Base point of burgundy chert with gray spots and a creamy yellow band just above a lime green tang. Drills, points, scrapers and polished stones were all gently preserved in the soft sand.

Perhaps the richest and most fascinating site was not far from Bicknell. It had been reported in the early sixties, partially recorded again in the seventies, and was once again attempted by us. The result is a simplified sketch of all that there is, like a pre-Columbian map of the world. All efforts to record this site (42WN147) to date have been incomplete, frustrated by the size and complexity of the system of cairns, blinds and game drive walls that run off into the distance in several directions. This is the stuff of a doctoral thesis or a summer field school.

On a hilltop the size of a small house we found over 50 bifaces, mostly tiny little projectile points of the Rosegate series known as Carson Miniatures (Elston & Budy 1990). There were also Rose Spring Corner-notched, Desert Series, Cottonwood Triangular, Square Base Side-notched, and even a few clunky Elko Corner-notched points, suggesting three or four thousand years of use. On my one afternoon off, I went out there to sketch and photograph as many of these artifacts as I could fit between thunderstorms.

While I was there, an antelope approached the site, saw me from about 50 yards away, and ran off sounding cries of alarm. I do not believe the drive system was designed for antelope. Several drive walls crossing drainages converge on the four blinds atop this small hill.

Mountain sheep, I am told (Benedict, personal communication, 1998) don't look for danger from above and so can quite easily be driven uphill into the range of waiting hunters. While almost extinct in this region today, these animals played a vital role in prehistoric diets, as evidenced by local rock art and the archaeological record:

...None of the artiodactyls from James Creek Shelter is unexpected; the relative scarcity of deer and pronghorn compared to mountain sheep is common in prehistoric Great Basin archaeological faunas...

(Elston & Budy 1990, pg. 95)

One of the things archaeologists frequently have to endure is very bad food, often the only thing available in many remote communities. Such was not the case on this job. In Hanksville, the Red Rocks Restaurant served an excellent fare and in Bicknell, you had your choice of several decent places, including a very fine restaurant called Rabbit Valley. Bicknell is host to the International Monster Movie Festival, an event that each summer draws an eclectic and growing crowd from around the world.

My job in Wayne County remains one of the most memorable summers of my life. We covered a tremendous amount of territory, recording over five hundred new sites and thousands of isolated finds. I have gained an intimate knowledge of one of my favorite parts of the world, as well as a great deal of experience drawing maps and artifacts, and remarkably, I was paid for it!

I think Goethe put it best: "Zum erstaunen bin ich da".
"I am here to wander" - the motto of a fortunate few.

REFERENCES

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The Archaeology of James Creek Shelter.
University of Utah Anthropological Papers, #115: 77-86, 95.

Hunt, Charles B., 1947.
Guidebook to the Geology and Geography of the Henry Mountain Region.
Guidebook to the Geology of Utah, Vol. 1. Utah Geological Society, Salt Lake City: fig. 12

Jennings, Jesse D., 1981.
Bull Creek University of Utah Anthropological Papers, #105: 5-15, 65-69, 78-94.

SKETCHES OF ARTIFACTS

42WN147

7/22/98

T-21 OPAQUE
WHITE CHERT



NO PHOTO

T-22 OPAQUE BRKT
WHITE CHERT



NO PHOTO

T-23 OPAQUE TAN CHERT



(MPL2-13)

T-24 OPAQUE
GRY CHERT



(MPL2-13)

T-25 OPAQUE
WHITE CHERT



(MPL2-13)

T-26 TRANSLUCENT
RED CHERT



(MPL2-14)

T-27 CLEAR
CHERT



(MPL2-14)

T-28 OPAQUE
WHITE ± GREY CHERT



(MPL2-14)

T-29 TRANSLUCENT
WHITE CHERT & 2
BLACK + ORANGE SPOTS



(MPL2-14)

T-30 OPAQUE
GREY CHERT &
CREAM MOTTLING



(MPL2-15)

T-31 OPAQUE
TAN CHERT



(MPL2-15)

T-32 TRANSLUCENT
DIRTY YELLOW CHERT



(MPL2-15)

T-33 MOTTLED OPAQUE
TAN ORANGE CREAM
CHERT & BLACK
SPECKLES AT BASE

(MPL2-16)



T-34 TRANSLUCENT
WHITE CHERT

(MPL2-16)



E-197B-204

6/30/98

E-197B-204

6/30/98



DESERT SIDE-NOTCH



COTTONWOOD TRIANGULAR



PARAGON BASAL NOTCH OR COTTONWOOD TRIANGULAR ← THIS



E197B-201

DULL GRAY

6/30/98

CLEAR MILKY CLEAR



BURGUNDY + GRAY CHERT



LIME GREEN T10

T-5 ELRO CORNER NOTCH OR EARL

T-2 EVANS SITE TYPE DRILL

T-1 HUMBOLDT CONCAVE BASE



BUTTERSCOTCH + BURGUNDY CHERT.



BLACK TRANSLUCENT CHERT

T-9 SAN RAFAEL OR DESERT SERIES

T-8 SQUARE BASED SIDE NOTCH

T-7 BIG HOPTED KNIFE FRONT.

CLEAR MILKY + YELLOW WHITE + BLACK INCLUSIONS

TRANSLUCENT WHITE CHERT

T-1



(MPL2-6)

T-2 CLEAR CHERT



NO PHOTO

T-3 MILKY CHERT



NO PHOTO

T-4 YELLOW TRANSLUCENT CHERT



(MPL2-7)

T-5 OPAQUE WHITE/ ORANGE/ GRAY CHERT



(MPL2-7)

T-6 BROWN+WHITE MOTTLED CHERT



(MPL2-7)

T-7 NON-LUSTEROUS WHITE CHERT



(MPL2-8)

T-8 CHALK-WHITE CHERT PATINATED?



T-9 MILKY WHITE CHERT



NO PHOTO

T-10 WHITE CHERT



NO PHOTO

T-11 WHITE TRANSLUCENT CHERT



NO PHOTO

T-12 CLEAR CHERT



NO PHOTO

T-13 OPAQUE RED CHERT



NO PHOTO

T-14 OPAQUE LIGHT GRAY CHERT



(MPL2-9)

T-15 TRANSLUCENT YELLOW CHERT



MPL2-9

T-16 TRANSLUCENT TAN CHERT



T-17 RED, MARGONANT ORANGE CHERT



(MPL2-10)

T-18 GREYISH OPAQUE CHERT



(MPL2-11)

T-19 TAN OPAQUE CHERT

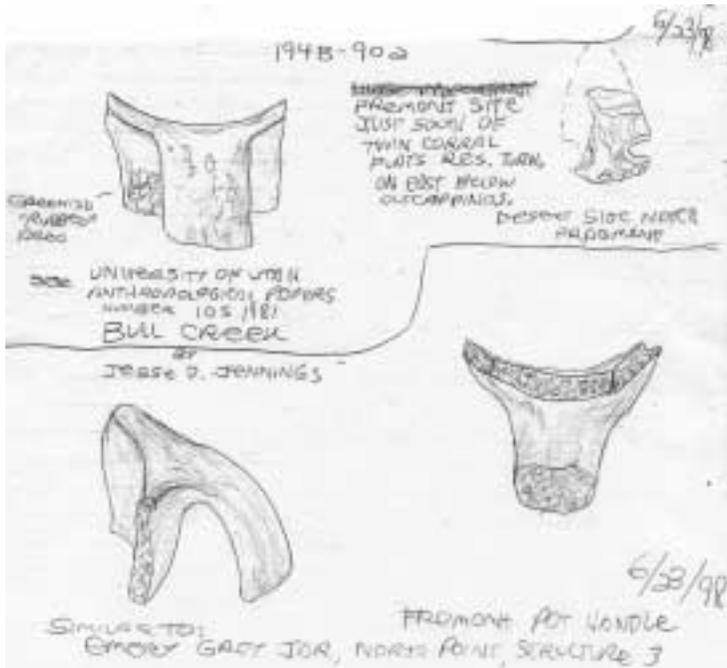
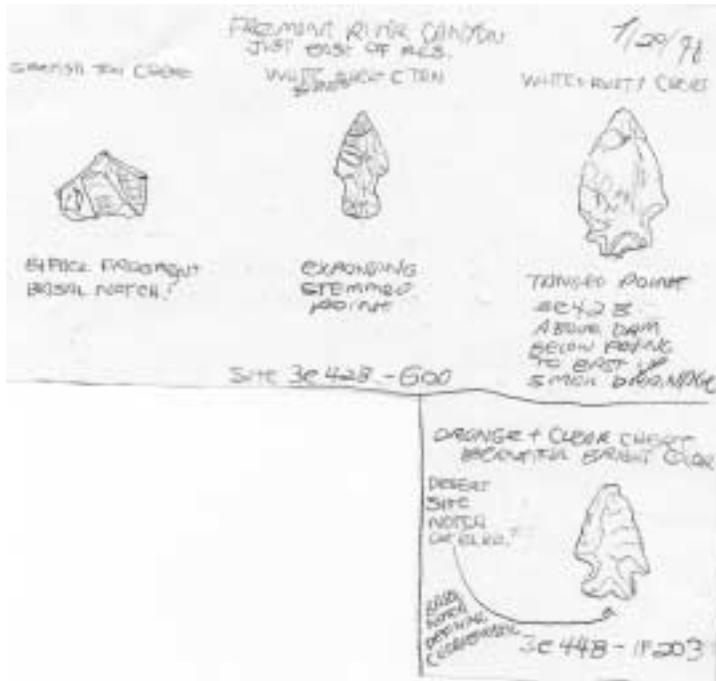


(MPL2-12)

T-20 - OPAQUE DARK MARGON CHERT



(MPL2-12)



Magnolia Excavation Plan

I've scheduled the Magnolia Shelter testing for my class (and CAS) for **April 7 and 15, 2001** (Saturdays), with a weather alternate date of April 28th. We'll do a GPS survey of the immediate area of the shelter with my Trimble GPS for a later site area map. I have all the equipment necessary for testing and will bring that up. We definitely need to scan the artifacts because digital camera resolution (unless you have a 3 MB+ camera) is too coarse for good research imaging. We have had excellent results in flatbed scanning and developed good techniques for doing so. Also, I have a comprehensive lithic collection for comparative analysis of materials, debitage study, etc. I could have CAS members come here (UNC in Greeley) to do the analysis using my lab facilities, collections, etc. - Robert Brunswig -

January Executive Board Meeting

Thursday, January 4, 2001

Meeting called to order at 7:30 PM at Alterra at The Atrium. Attendees: Damon, Holien, Landem, Morrell, Pitre, Rosquist, Shay, Smith, and guest Judith Frazier.

Secretary's Report (Holie): December meeting minutes approved.

Treasurer's Report (Damon): Balance is \$1948.92. Have not received renewal yet for P.O. box. New President will need to obtain signature authorization at bank. Will check on link to Amazon.com.

Vice President's Report: Office as yet unfilled.

President's Report (Landem): Shay introduced guest Judith Frazier who is the current newsletter editor for the Boulder Society of the AIA (Archaeological Institute of America). Ms. Frazier proposed sharing program information between IPCAS, the Boulder Society and the Denver Society of the AIA, in each group's newsletters to expand readership base. Potentially each group could have increased attendance at their respective programs as our archaeological topics and meeting dates do not conflict. After questions and discussion, the Board agreed to share program information with AIA. The Board concurred to publish all membership information in the Calumet with a notice that any member who does not wish for his/her address to be published in future editions to advise an officer or board member. Membership information will not be posted on the IPCAS Web Home Page. Landem will contact Channel 8, the Boulder community TV station, about possible broadcasting of IPCAS's archaeological video tapes such as Hell Gap. Landem asked each officer and board member to be thinking about goals for this year. Possible field trips were discussed with suggestions of Rabbit Mountain, Hell Gap and CU Museum collections.

Unfinished Business: Continued discussion of fund raising ideas including rock art calendar, note cards, and rock art photos. There was a suggestion to explore the possibility of selling items in the CU Museum gift shop. The Board expressed support for Pete Gleichman's previous proposal to contact Flatiron Crossing management about erecting an interpretive sign on site. The Board discussed the present parking situation at CU Museum and possible change in meeting location. All agreed to continue meeting at CU Museum as the optimal site. Morrell agreed to stay on as coordinator for the Magnolia Project.

New Business: Mary Jo Kraus and Kevin Black will be the speakers at the January General Meeting. The Board brainstormed potential guest speakers for May meeting and Fall 2001. The Board discussed various venues for promoting our lecture series, i.e. Museum newsletter, post on campus, AIA newsletter, The Denver Post, Denver CAS, Channel 8.

Meeting adjourned at 9:04 PM. - Kris Holien, Secretary -

February Executive Board Meeting

Thursday, February 1, 2001

Meeting called to order at 7:30 PM at Alterra at The Atrium. Attendees: Cree, Ferguson, Holien, Landem, Miller, Morrell, Pitre, Prillaman, and Smith.

Secretary's Report (Holie): Approved, after one correction to January minutes to change the Channel 8 reference to Channel 54.

Treasurer's Report (Damon): Balance is \$1600.42. Received renewal for P.O. box (\$19).

Vice President's Report: Office as yet unfilled.

President's Report (Landem): Landem will contact Channel 54, the Boulder community TV station, about possible broadcasting of IPCAS's archaeological video tapes such as "Mammoth Meadows" and "Vogel Canyon". Also to check with Channel 3 in Longmont. Ferguson agreed to post flyers on campus announcing IPCAS programs at the CU Museum. Other board members took a few flyers to post around other locations. Miller agreed to set up buttons on IPCAS Web site for each program.

Unfinished Business: Board came up with some speaker suggestions for the lecture in May, which has been designated as Archaeology and Historic Preservation Month. Goals for 2001 are: Field Trips (suggestions were Spanish Diggings in Wyoming, Rabbit Mountain, Heil Ranch, view CU Museum collections), Fund Raising and Guest lecturers for Fall 2001. More fund raising ideas: sell 8x10 rock art images, establish a Rock (art) Festival. Miller will check with printers on start up costs, etc. for a rock art calendar for 2002. Morrell will work on written permission and releases from property owners of Magnolia Project area for this spring's excavation. Smith continuing to work with Channel 3 on his Petra presentation to be broadcast.

New Business: Landem informed the Board of a possible survey and mapping project of the Old Valmont work farm (Valmont and 63rd) which includes 19th century foundations.

Meeting adjourned at 8:48 PM. - Kris Holien, Secretary -

2001 IPCAS Officers, Board Members, and major functions

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Board Member	Russell Smith	(303) 776-5503	rdsmith@lanminds.net

Please check the chapter web-site at: <http://www.indianpeaksarchaeology.org>

MEMBERSHIP APPLICATION - INDIAN PEAKS CHAPTER		
<u> </u> Individual \$25 / Year	<u> </u> New	<u> </u> Date
<u> </u> Family \$28 / Year	<u> </u> Renewal	
<u> </u> Student \$12.50 / Year, with Calumet delivery by e-mail		
NAME _____	TELEPHONE (____) _____	
ADDRESS _____	E-MAIL _____	
CITY _____	STATE _____	ZIP _____
Please make check payable to:	Indian Peaks Chapter, CAS	
Mail to:	PO Box 18301	
	Boulder, 80308-1301	
When you join or renew you will receive the <i>Calumet</i> , our monthly newsletter, and <i>Southwestern Lore</i> , the quarterly publication of the Colorado Archaeological Society. And you will have opened the door to Colorado Archaeology.		

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