

**GEORGE C. FRISON INSTITUTE
OF ARCHAEOLOGY AND ANTHROPOLOGY
GoFri
UNIVERSITY OF WYOMING**



BULLETIN No. 11

MAY 2004

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INSTITUTE NEWS

The Institute raises pledges towards a Paleoindian Endowment. The Wyoming Archaeological Foundation is raising funds towards the creation of a permanent fund (Paleoindian Endowment) dedicated to Paleoindian Research at the Institute. The Wyoming Archaeological Foundation (WAF) has five years to raise \$50,000 which will be matched by the state of Wyoming, creating a \$100,000 permanent endowment. The WAF already has \$37,700 in pledges of which it has raised \$11,975. We thank the contributors: Jean and Ray Auel, Susan Bupp, Jim Chase, Bill Current, Fremont Chapter WAS, Gail and Ray Gossett, Elmer Guerri, Marcel Kornfeld, Michael Massie, Elise M. Pryzich, Mary Springer, Kristi Wallin, Wyoming Archaeological Society, and Tom Young.

Opening of the Frison Institute membership has resulted in adding 35 new Friends of the Institute. Please distribute the membership form at the back of this bulletin.

September 23 is the Fall Meeting of the Friends of the Institute, including the Board meeting. Speaker will be Dr. Dave Meltzer

FRISON INSTITUTE GRANTS

This is the last year of secure funding for the Frison Institute grants. Two grants were awarded in February and the recipients will be in residence next fall. Dr. Ruthann Knudson of the Agate Fossil Beds national Monument and Mr. Christopher Widga of the University of Kansas received the awards. Dr. Knudson will be a Senior Fellow working on the James Allen projectile point collection. Mr. Widga will be a Junior Fellow and will analyze the Vore Site material.

INSTITUTE FUNDING

New funding for the Bighorn rockshelter research was received from the Worland Field Office of the Bureau of Land Management. Last fall we received \$23,000 for continued rockshelter studies. The Kremmling Field Office of the Colorado Bureau of Land Management provided an additional \$8000 for the Paleoindian study of Middle Park. Both are being matched by a variety of sources including in-kind-matching and the University of Wyoming through the research efforts of its faculty. Mr. Joseph and Ruth Cramer, along with many other donors and the University of Wyoming are funding the Western Plains Paleoindian Study, focused on the research at Hell Gap and Agate Basin Sites.

FELLOWS AND LECTURERS

Three visiting fellows were in residence this academic year, all winners of the Frison Institute Grants.

Dr. Dan Amick of Loyola University in Chicago was a Fellow in December of 2003. Dan analyzed Cody Complex material from several Wyoming sites. The goal of his study is to compare stemmed Paleoindian artifacts from the Plains and the Great Basin. Dr. Amick presented a brown bag lecture "Cody Points and Other Intriguing Early Finds from the Black Rock Desert of Northwest Nevada", in which he discussed the Great Basin stemmed material, in particular the McNine Cache. In his lecture he discussed his initial impressions of the comparison of the Great Basin and Plains stemmed material, with a conclusion that at least some of the complexes seem to be of comparable age and manufacture. (cont'd on pg. 2)

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Mr. Ken Cannon of the National Park Service's Midwest Archaeological Center in Lincoln



was the visiting Junior Fellow in the spring of 2004. Ken investigated the possibility of analyzing radioactive isotopes from bison teeth. The preliminary investigation revealed that the Horner Site bison mandibles provide an appropriate sample for analysis. Ken's interest is in studying the Greater Yellowstone Ecosystem and he presented a lecture, "Zooarchaeology and Its Relevance to Contemporary Conservation Biology: Examples from the Greater Yellowstone Ecosystem".

Mr. Ed Knell, a doctoral student at Washington State University in Pullman has been a Junior Fellow at the Institute since September of 2003. Ed is continuing his study of the Cody complex material from localities I and III/V of the Hell Gap Site for his dissertation. Since September of 2003 Ed has analyzed and nodulized 1000s of Cody age artifacts. His studies should be completed by the early summer. Ed presented a brown bag titled, "The Cody Complex at Hell Gap: Past, Present and Future Studies".

Dr. Steven Holen from the Denver Museum of Natural History spent a day in the anthropology department with the comparative mineral collections. While here he presented a brown bag lecture on the recent work at the Kanorado Site on the Kansas Colorado border. The site, first discovered in the 1970s, is currently being investigated by Jack Hofman and Rolph Mondel of the University of Kansas and Steven Holen with funds provided by Joseph and Ruth Cramer of Denver. Sealed in the sediment at the Kanorado site are the remains of late Pleistocene fauna such as mammoth, overlain by layers with chipped stone artifacts.

2004 INSTITUTE FIELD PROJECTS

BIGHORN ROCKSHELTER STUDY *by Marcel Kornfeld and Robert Kelly*

The Bighorn rockshelter study is expanding in several significant directions. In addition to the ongoing studies at Paint Rock Canyon and the Black Mountain Archaeological District, we look into some previously excavated rockshelters as part of our effort to determine why fluted points are rarely found in caves and rockshelters. We also are looking forward to testing two rockshelters, one near Ten Sleep that has not previously been excavated, and one further south, in the hills between Lysite and Thermopolis that has turned up a Clovis point. We will also investigate a series of poorly documented shelters on the western flanks of the Bighorns. The purpose of the expansion is several fold. First, we wish to identify as many

shelters as possible and record their external features such as size, shape, and geologic formation they occur in. Second, we wish to identify as many shelters as possible that contain subsurface cultural material. And third we are in the process of developing a data base on the Bighorn region shelters with which we can approach questions of shelter formation and human occupation and variation in the use of these natural features.

BARGER GULCH LOCALITY B *by Todd Surovell and Nicole Waguespack*

With at least eight Paleoindian localities known, the Barger Gulch site in Middle Park, Colorado, was a location of repeated use by humans in the late Pleistocene and early Holocene. Locality B of Barger Gulch is a 10,500 year old Folsom campsite characterized by an unusually high density of artifacts. From our past excavations at this locality, we have recovered almost 20,000 pieces of chipped stone including more than 200 cores, flake tools, bifaces, and projectile points. The site retains excellent spatial integrity, and we have thus far identified at least one hearth-centered activity area. During the 2004 field season we will be expanding our primary excavation block and testing new areas of the site in an attempt to locate additional artifact clusters.

AGATE BASIN *by Marcel Kornfeld and George Frison*

The major project this season will be investigations at the Agate Basin Site. The site, located south of the Black Hills, on the South Dakota – Wyoming border contains rich deposits of Paleoindian cultural material. Previous studies have identified Clovis (Sheaman Site), Folsom, Agate Basin, and Hell Gap complexes, as well as evidence of post Paleoindian occupation. The Agate Basin Arroyo has preserved pockets of sediments of late Pleistocene and Holocene periods, which in some places contain archaeological deposits.

This year's study will concentrate at the Clovis period Sheaman Site and the Schultz locality (or Agate Basin No. 8). The goal of the study is to provide a better definition of the Clovis component and its extent at the Sheaman Site. As such major effort will be devoted to a geological and geoarchaeological assessment of the sediments by Dr. C. Vance Haynes of the University of Arizona. Work at the Schultz site has the same goal, a geoarchaeological assessment, and archaeological assessment of the site.

**BLACK MOUNTAIN ARCHAEOLOGICAL DISTRICT** *by Marcel Kornfeld*

Field study at Black Mountain Archaeological district will focus at Two Moon Shelter and BA Cave, the two sites under intensive investigation. The goal is to reach and expose Folsom age deposits in Two Moon Shelter in several additional excavation units as well as to collect geospatial data about the shelter. The latter is a prerequisite to three dimensional mapping of in situ artifacts. At BA Cave the goal continues to be reaching the bottom of the shelter.

GIS IN SOUTHWESTERN WYOMING *by Mary Lou Larson*

This year's Southwest Wyoming Moxa Arch project will test a predictive model of site location within the Moxa Arch gas field west of Granger, Wyoming. The predictive model we will test estimates the age of deposits and therefore the potential for both surface and buried archaeological deposits. Mary Lou Larson and a small crew of UW students will visit already recorded prehistoric archaeological sites to verify remotely sensed surface geology, verify location, and understand more about the prehistory of southwest Wyoming.

OTHER 2004 FIELD PROJECTS**FORT LARAMIE NATIONAL HISTORIC SITE, 2004** *by Danny Walker*

The 2004 archaeological field season at Fort Laramie National Historic Site will focus on testing at least seven features recorded by the previous year's geophysical surveys, and continue additional geophysical surveying of the site.

DONORS AND APPRECIATIONS

We would like to thank the following individuals and organizations for contributions made to the George C. Frison Institute in 2003/2004, our most successful fundraising year yet!

PALEOINDIAN SPONSORS *(gifts under \$100)*

Jill Anderson
Ed Cheramy
Brent Eastman
Mary Gerty
Tommy & Margaret Harless
Susan Hughes
Michael Massie
Elise M. Pryzich
David & P. Jaye Rippley
Barbara Sivertsen

GOSHEN SPONSORS *(gifts of \$100-\$999):*

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Dewey and Janice Baars
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Fremont Co. Arch Society
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Elmer Guerri
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Philip Jenny
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Marcel Kornfeld
La Ramie Soil (Michael McFaul)
Thomas & Kathryn Lessard (Cooper Landing Fish Camp)
Jerome Marrow
Robert Rudd
Mary Springer
John & Barbara Vietti
Robert Volz
Kristi Wallin
Tom Young

FOLSOM SPONSORS *(gifts of \$1000-4999)*

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Bill Currant
Fremont Chapter WAS
Gerber Companies Foundation
Gail and Ray Gossett
Hillside Veterinary Hospital
Rhoda Lewis
Sager Foundation
Mr. & Mrs. M. Toft
Wyoming Archaeological Society
Bonita W. Wyse

CLOVIS SPONSORS *(gifts over \$5000)*

Jean and Ray Auel

REPORT TO THE WAS FROM THE BOARD OF THE FRIENDS OF THE FRISON INSTITUTE - APRIL 17, 2004
Expanded Friends Membership

It was a beautiful day in Laramie WY and the Meeting of the Friends was most well attended, 27 listed with 22 in the photograph. This was largely due to the Friends featured speaker Jane Auel. Her presentation drew a crowd of 600 in the afternoon.



The main point of discussion at the 2003 board meeting was to extend membership in The Friends of the George C. Frison Institute to all supporters of the Institute. Anyone can become a Friend by submitting your name to the George C. Frison Institute, Anthropology Department, Dept. 3431, 1000 E University Avenue, Laramie WY 82071. A letter with this information was sent out in December of 2003, to donors and volunteers (See back page). Friends applications were sent to the constituent societies. I want to stress you do not have to be a volunteer or donor to become a Friend. I have some of these requests to become a Friend with me--- see me after the meeting.

The reports of the field activities and research of the Institute for the past summer has been a most exciting part of every fall event and occurs during the morning session (Approximately 8:30 to 10:30 a.m.). These 10-15 minute presentations are very informative and from now on will be an opportunity for all the Friends to hear about the ongoing archaeological activities first-hand from the very impressive Institute faculty and staff. Example---Todd Surovell, on confirming the presence of a Folsom age structure at the Barger Gulch Site in Colorado in 2003.

As in the past, everyone is invited to the Frison Institute lecture series, in the afternoon. This year Dr. David J. Meltzer of Southern Methodist University will be the speaker. His subject is "Back Where It All Began, A New Look At The Folsom Site, New Mexico." The date is September 23, 2004.

There will be some additional, at this time undecided, benefits and perks with being a Friend. So, I urge you all to become a friend, to enjoy the Institute facilities and programs, to receive the newsletters, hear of upcoming volunteer opportunities and archeo-tours.

Because of this expansion of the Friends Membership, the name of the original advisory group called Friends of the George C. Frison Institute has now become the Board of the Friends of the George C. Frison Institute. The advisory board meetings will continue to be held from 11 a.m. till 2 p.m. on the day of the "Friends of the Frison" events.

I have stepped down as a vice-chair of the speakers committee with the Board of the Friends, and was then elected as "member at large". Most

importantly, at this time, I will be the liaison between the Friends and the WAS, and the constituent WAS societies. Please contact me with your support for this important change in membership, also let me know of your concerns and questions.

Paleoindian Endowment

As you may recall at the 2003 WAS Spring Meeting in Sheridan, the Fremont Chapter of WAS challenged the WAS to match their contribution to the Paleoindian Endowment of up to \$1000.00. This was approved and the \$2000.00 was the beginning of the effort to secure a \$50,000.00 Frison Institute Paleoindian Endowment. The Wyoming Archaeological Foundation generously agreed to help the Friends of the Frison Institute raise funds for the establishment of the this endowment. Then a pledge to the University of Wyoming Foundation for \$50,000.00 was locked in. (This means we have now locked in the state match (\$50,000.00). We have a total of five years to raise the funds.)

In December of 2003 there were \$36,700.00 in pledges, and as of this date \$10,850.00 has been received towards the \$50,000.00. Barbara Nahas Keiry, Treasurer of the Wyoming Archaeological Foundation has these funds invested in C. D's and \$33.62 interest has accumulated.

If you wish to contribute or pledge to the endowment you can make your check payable to the Wyoming Archaeological Foundation, a non-profit corporation, mail your check or pledge to: George C. Frison Institute, Department of Anthropology, Dept. 3431, 1000 E. University Avenue, Laramie WY 82071. I have pledge agreement forms with me also.

I understand that more matching funds were made available by the Wyoming Legislature in 2004, if we overshoot the \$50,000 we can try for the 2nd \$50,000.00 fund.

Ray S. Gossett
Board of Friends of the Frison Institute
Member at Large

DATES AND CONTACTS FOR 2004 INSTITUTE PROJECTS

2004 Frison Institute Project Dates

- Barger Gulch: 5/21-5/30, 6/4-6/13
- Bighorn Shelter Study (Paint Rock and Cutt Shelter): 6/4-6/13, 7/16-7/25

- Black Mountain: 7/29-8/8
- Agate Basin: 6/18-6/27, 7/2-7/11, and 7/16-7/25
- Southwest Wyoming Survey: 6/18-6/27, 7/2-7/11

Other Project Dates

Fort Laramie, Wyoming: 5/27-8/6 (weekdays)

CONTACTS:

- Barger Gulch: Dr. Todd Surovell (307) 766-3239 surovell@uwyo.edu or Dr. Nichole Waguespack (307) 766-2931 nmwagues@uwyo.edu.
- Bighorn Shelter Study: Dr. Robert L. Kelly (307) 766-3135 or rlkelly@uwyo.edu ; Dr. Marcel Kornfeld (307) 766-6920 or anpro1@uwyo.edu
- Black Mountain: Dr. Marcel Kornfeld (307) 766-6920 or anpro1@uwyo.edu
- Agate Basin: Dr. Marcel Kornfeld (307) 766-6920 or anpro1@uwyo.edu
- Southwest Wyoming Survey: Dr. Mary Lou Larson (307) 766-5566 or email mlarson@uwyo.edu
- For all projects: Lynda Payne (307) 766-6920, or payne@uwyo.edu
- Fort Laramie: Dr. Danny N. Walker, Assistant State Archaeologist, P.O. Box 3431, Laramie, WY 82071; or (307) 766-5565, dnwalker@uwyo.edu

Dear Volunteer/Visitor,

This letter is to inform you about general conditions, arrangements, and schedules at the sites that will be investigated this summer (2003). For specific projects please contact the individuals listed on the previous page.

As usual, if you are volunteering, you are welcome to camp with us. We normally leave camp by 6:30am, so if you want to go to the sites with us, please arrive before 6:30am or the evening before. We return to camp around 6 pm. If you plan to use your own vehicle, a 4-wheel drive is required at some of the locations.

Some sites are at relatively high altitudes (above 8000') and cold, near freezing temperatures are possible. In addition, it may be wet, so cold, wet weather gear is a must. That means a good sleeping bag, long underwear, warm parka, poncho, weather-proofed shoes, and a tent that will keep you dry. Of course it is just as likely that the weather will be warm/hot and dry, so plan for both and you'll be safe. Exposure to the elements at high altitudes also requires plenty of sunscreen, lip gloss, hats, etc. Hot weather may require salt pills and definitely a water container (a 1 gal. bottle or canteen is recommended). Mosquitoes, gnats, and ants are frequent visitors so be sure to bring insect repellent if desired. Small tents get tiresome after a while, so if you can spring for a tent you can stand up in and put a cot in, it's a good idea, but keep in mind that it has to be wind worthy. Think of your comfort while camping. After working all day, a little comfort may be desirable. Other odd items that are a good idea include: solar shower (we will try to provide a shower enclosure for privacy at all camps), flashlight, extra batteries, water container (at least three gallons). Most camps are dry camps; we will haul water in but conservation is a must. Inquire with each Principal Investigator for conditions specific to each camp and project.

Please fill out the Volunteer Application Form and mail it to us as soon as possible.

See you in the field, call if you have any questions (Lynda Payne (307) 766-6920 or e-mail payne@uwyo.edu; Marcel Kornfeld (307) 766-5136 or e-mail anpro1@uwyo.edu).

VOLUNTEER and CREW APPLICATION FORM*

(One per applicant)

Volunteer

Crew

Name: _____ Soc. Sec. No. _____ - _____ - _____
Address: Street _____
City _____ State _____ Zip _____
Phone: _____ Cell Phone _____ E-mail: _____

I am interested in volunteering/working (circle one) for the _____ project (Please indicate the project in which you wish to participate), between _____ month ____ day and _____ month ____ day, _____ (year).

Volunteers are asked to participate for at least five days. If you wish to volunteer for multiple projects please copy this form and fill out a separate form for each project.

Will you need transportation from Laramie to the field site? Y___ N___

Do you have medical insurance? Y___ N___

Do you have any medical problems we should be aware of? Y___ N___

We may be in some isolated places without access to emergency services and it is critical for us to plan as much as possible; please describe your medical problems below:

If you have an expected medical condition that might require immediate treatment (for example allergic reaction to bees), please describe in detail below and on the back of this sheet what we need to do:

Would you be willing to pay \$15/day for the time you spent as a volunteer to help support this project? Y___ N___
Food is provided as a part of volunteering.

* This application form is required for your participation in the project, please mail it to:

George C. Frison Institute
Department of Anthropology
University of Wyoming
Box 3431
Laramie, WY 82071-3431

Volunteers: Please mail or email this form at least two weeks before the beginning of any project. You are automatically accepted into the program unless you hear otherwise from us.



College of Arts & Sciences
University of Wyoming
Department of Anthropology

Name _____

Spouse Name (if joint gift) _____

Address _____

City _____ State _____ Zip _____

Home Phone _____

Business Phone _____

E-mail address _____

Please make check payable to
UW Foundation.
P.O. Box 3963
Laramie, WY 82071-3963

All gifts to the University of Wyoming are Tax deductible to the extent allowed by law.

Many companies and firms have matching gift programs for their employees, employees' spouses and board members. Please check with your human resources or community relations department for more information.

I would like to make a gift of \$ _____ to the Department of Anthropology in the form of a

Check Credit Card

Account Number _____

Expiration Date _____

Signature _____

I would like my gift to support the following UW Anthropology activities

(please check all that apply):

- George Frison Institute of Archaeology & Anthropology
- Mulloy Lecture Series
- Anthropology Museum
- General Department Needs - Student Scholarship fund

Gift of Securities _____

Do not sell stock in your own name, if you do, you will be liable for capital gains tax.

If you, or your broker, have any questions, please call MaryAnn Garman, at (307) 766-6300 or email mag@uwyo.edu

Please send me information about planned giving. (wills, trusts, insurance)

NO4AN

Pledge Agreement

I/we believe in the George C. Frison Institute of Archaeology and Anthropology's commitment to be premier research and outreach facility dedicated to the study of North American, High Plains, and Rocky Mountain archaeology and culture. Because I/we support the Institute's vision and its goals for distinction, I/we am/are pleased to pledge and promise to make a gift to the Wyoming Archaeological Foundation (WAF) in the amount of \$ _____. The gift will be held in trust by the WAF until such time that cumulative gifts total \$50,000. At that time, the funds will be transferred to the University of Wyoming Foundation and matched by the State of Wyoming.

My/our commitment is designated for:

George C. Frison Institute of Archaeology and Anthropology Paleoindian Program

For purposed of recognition and acknowledgment, I/we wish my/our names to be listed as follows:

I/We intend to make this contribution according to the following schedule:

Installment	Amount:	Date
Payment #1	\$	
Payment #2	\$	
Payment #3	\$	
Payment #4	\$	
Payment #5	\$	

EXECUTED THIS _____ day of _____, 20_____.

(Name)

(Name)

December 15, 2003

**FRIENDS OF THE
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Leslie Pfeiffer
P. Jaye Rippley
Dennis J. Stanford
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Oliver B. Walter

Dear Friend or New Friend of the Frison Institute,

At the recent Board meeting of Friends of the Frison Institute it was decided to expand the "Friends of Frison" concept, to invite a greater number of individuals to become part of the "Friends" family and to enjoy the Institute facilities and programs, including receiving this newsletter, volunteer opportunities, and archeo-tours. We are inviting you to become a friend of the Institute and would like to invite you to Laramie on September 23 and 24 to be a part of the activities at next year's 2004 "Friends of Frison" events. We are contacting you at this time to give you as much lead time as possible to plan to attend. The "Friends" meetings and festivities are scheduled during the week prior to the annual Stone Age Fair, which will be held in Loveland, Colorado on September 25-26, 2004.

The tentative schedule for the "Friends" activities in September 2004 is:

Thursday, September 23

- morning reports by Frison Institute and Anthropology faculty and staff discussing 2004 field work
- mid-morning "behind-the-scenes" tour of the Anthropology Department, labs and museum
- lunch
- afternoon Frison Institute lecture series (Dr. David J. Meltzer of Southern Methodist University will be the speaker)
- evening – reception and visits with "Doc" and "Friends" and Institute and Anthropology faculty.

Friday, September 24 ~

- "caravan" to the Hell Gap Site, then to Loveland for the Stone Age Fair.

Saturday, September 25 ~

- optional attendance to Stone Age Fair artifact show, demonstrations, and afternoon lecture program

The entire "Friends" program is about people and things ~ Paleo!

We hope you will consider coming to Laramie in September 2004. We have enjoyed the time spent in past years visiting the Anthropology Department, making friends with the staff and other "Frison Friends" and hearing about ongoing archaeological activities first-hand from the very impressive students in the Department.

It is a great program!

A spring newsletter detailing summer field projects and volunteer opportunities, times and dates will be available around March or April, please sign up for it now by becoming a FRIEND.

Sincerely,

Board of Friends of the Frison Institute

If you have been receiving the bulletin we already consider you a friend, please check here _____

New FRIENDS please add your name here _____

STREET _____

CITY, STATE, ZIP _____

Please return in the self addressed envelope or return to:

University of Wyoming
George C. Frison Institute
Department 3431
1000 E. University Avenue
Laramie, WY 82071-3431

PLEASE FEEL FREE TO DUPLICATE AND DISTRIBUTE TO YOUR FRIENDS.

University of Wyoming
George C. Frison Institute
Department of Anthropology
Dept. 3431
1000 E. University
Laramie, WY 82071

