

George C. Frison Institute of Archaeology and Anthropology

at the UNIVERSITY OF WYOMING



INSTITUTE ACQUIRES TWO WEATHERPORTS

We are most appreciative for the gift of two Weatherports from Mike and Sally Metcalf and Metcalf Archeological Consultants of Eagle, Colorado. These sturdy structures are a must for today's high quality archaeology. Not only do they protect the site, the myriad of high tech computerized equipment we use in the field, and the paperwork from a variety of inclement weather conditions, they make for happy and less distracted crews, thereby minimizing all sorts of recording errors.

Continued on page 7....

SUYANGGAE SITE, KOREA

Investigations of the Suyanggae open air site began in 1983 prior to the construction of the Chungjo Dam on the Namhan River in the Jungwon region of Korea. They have continued until at least 2001 as new associated localities were discovered. Suyanggae site investigations by Professor Yung-jo Lee of the Chungbuk National University Museum of Korea were a part of data recovery effort from the area to be submerged as the result of dam construction.

Continued on page 2...



Professor Yung-jo Lee addressing the Suyanggae symposium.

BULLETIN # 20 March 2009

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An excavation inside a Weatherport.

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The first area investigated, Locality I contains Middle Paleolithic tools on top of and within Pleistocene gravels. The most important component of the site, however, contains a series of Upper Paleolithic age workshops. A 1250 m² excavation area has yielded 49 separate workshop stations. The main raw material in the Upper Paleolithic workshop component was Sanje-gol shale, procured 1.5 km from the site. The chipped stone assemblage consists of handaxes, cores, microblade cores, blades, projectile points and a variety of formal and informal flake tools. The unique projectile point style resulted in naming of the Suyanggae Culture. Together with later discoveries of Localities II, III, IV, and V, the archeological record at Suyanggae has preserved Neolithic, Iron Age, and more recent remains including rice, barley, millet, and other plant foods.

The importance of the site to Korean and East Asian prehistory was recognized by the development and construction of a world class museum at Suyanggae for preservation and study of Korean prehistory. In addition to Suyanggae's importance to East Asian prehistory, the site is potentially significant to discussion of peopling of the Americas. Suyanggae is one of a number of late



Late Upper Paleolithic Suyanggae projectile point.

Upper Paleolithic East

Asian sites along the Pacific Rim that may have been a source area for early American populations. Certainly its age of approximately 16,000-17,000 rcybp is of interest to those investigating post-Last Glacial Maximum Asian precedents to the Clovis explosion.

The significance of the site is also enshrined in an annual international symposium held every year since 1996.

"Suyanggae and Her



Suyanggae Museum

Neighbors" brings together prehistorians from all continents fostering cross-cultural thinking about the people behind the archeological record and international cooperation in Paleolithic studies. The symposia have been held in: Danyang (Cheongju, Korea, 7 symposia), Beijing (China), Meiji University (Tokyo, Japan), Lodz University (Poland), and Krasnoyarsk University (Russia). The 13th symposium, commemorating the 25th Anniversary of initiation of Suyanggae site excavation, was held at the Saitobaru Archeological Museum outside of Miyazaki, Miyazaki Prefecture, Kyushu, Japan from December 5-10, 2008. The 14th Suyanggae Symposium will be held in conjunction with the International Symposium on Paleoanthropology in Commemoration of the 80th Anniversary of the Discovery of the First Skull of Peking Man, The First Conference on Quaternary Research of Asia, and the Asian Paleolithic Association annual meeting, in Beijing, China between October 19 and 23, 2009, and is organized by the Chinese Institute of Vertebrate Paleontology and Paleoanthropology. The 15th and 16th Suyanggae symposia are planned for Haifa (Israel) and Calcutta (India) in the years 2010 and 2011.



Participants of the 13th Suyanggae symposium at Saitobaru Archaeological Museum.



Visit to Sadawara Castle following the Suyanggae Symposium.



Visit to Ushiomata Site following the Suyanggae Symposium.

INSTITUTE NEWS

The Dorothy Mountain Memorial Scholarship was initiated by the Loveland Archaeological Society (LAS) to support second year archeology graduate students either at the University of Wyoming or Colorado State University. Dorothy Mountain was a long-time member of the LAS, and a long-time collector of Indian artifacts. She maintained precise site records of the artifacts she found, thereby ensuring their value for archaeological study both before and after her passing. The scholarship was established by her son and daughter-in-law, Phil and Taimi Clark. Memorial contributions in Dorothy's honor have enhanced and will help perpetuate this scholarship. The \$250 scholarship will be awarded once a year, in September, during the Loveland Stone Age Fair (SAF) at the beginning of the SAF program. The SAF is held each year on the last full weekend in September in Loveland, Colorado. Applications are due by April 30 of each year. The scholarship will be administered by the LAS with assistance from the University of Wyoming, George C. Frison Institute and/or Colorado State University. We appreciate the efforts of LAS membership in helping support our students.

FALL MEETING OF THE FRIENDS OF THE FRISON INSTITUTE

The fall meeting of the Friends of the Frison Institute will be held on Thursday, September 24, 2009. As usual there will be a field trip on Friday and Saturday is the Loveland Stone Age Fair.

'DON'T COME' FUNDRAISING EVENT

Invitations are out for this spring's March 15th 'Don't Come Event'. Donors who participate in this fundraiser receive an auto-graphed copy of a talk given by Drs. Kornfeld and Frison. 'Don't Come' refers to the idea that you can donate without getting dressed up and driving across the state for a talk that lasts only an hour.



INTERNATIONALIZATION

Last year saw a significant increase in our internationalization efforts and this year the situation may continue.

SUYANGGAE SYMPOSIUM

While at the Suyanggae symposium (see page 1), the director discussed a variety of exchange and cooperation possibilities with numerous Russian, Chinese, Korean, Japanese, and Polish colleagues. The type of research carried on by many of these colleagues resembles that engaged in by Institute personnel. Consequently, recording, analytical techniques, and other archeological processes and procedures, as well as interpretations of our colleagues are of interest. Perhaps of greatest interest to the Institute, however, is the Upper Paleolithic research carried on over all of eastern Asia, as this region is the origin of Early

American populations. Late Upper Paleolithic and post-Last Glacial Maximum sites are continually undergoing excavation, new ones are being discovered, and old collections continue to yield new data. The possibilities of cooperation in this research area are endless. And currently we are working on at least one joint paper on this topic with Russian colleagues.

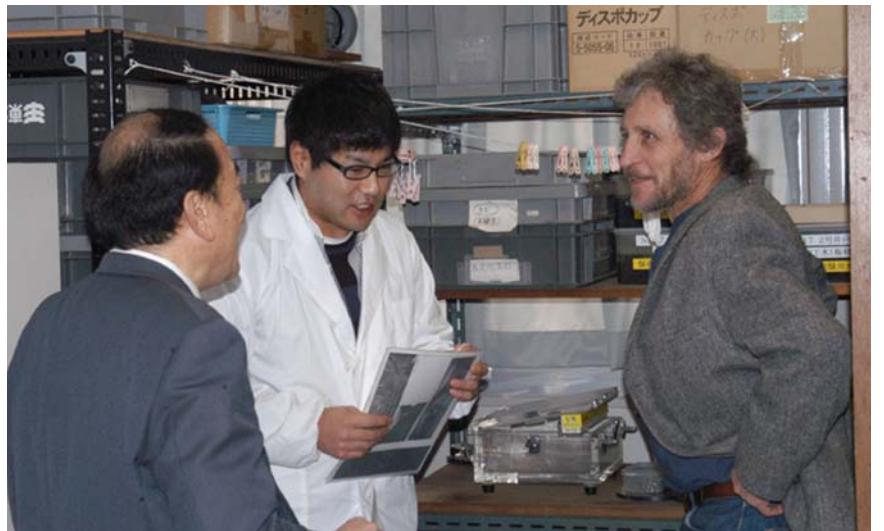


Post-conference tour of Saitobaru mounds, the largest approximately 6th century AD Kofun Period burial complex in Japan.

TOHOKU UNIVERSITY

Following the Suyanggae symposium, the director visited Professor Kaoru Akoshima at Tohoku University in Sendai, Japan. A long standing relationship with Dr. Akoshima dates to the mid 1980s when he was a pre-doctoral student at UW, participated in many projects, and based his doctoral dissertation on stone tool microwear analysis of the Paleolithic Mill Iron site.

Dr. Akoshima showed the director the archeological facilities, laboratories, repositories, and museums of Tohoku University. The Laboratory of Archeology, a somewhat autonomous unit at the University, is responsible for carrying on any salvage investigation at Aoba Castle. This Shogun Period (1600s AD) fortress is underneath much of the Kawauchi campus of Tohoku University and any campus construction must deal with the



Dr. Akoshima (left) and Kornfeld (right), with Kazumasa Obara at the Archaeology laboratory, Tohoku university.

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archeological remains. Several buildings with labs, offices, and repositories are devoted to this operation. The archeology lab is staffed with several specialists who are not only engaged in salvage of the castle, but contribute to the academic program of archeology students by teaching lab and preservation classes as well as providing on-the-job field training. A situation quite analogous to our Anthropology department's relationship with the State Historic Preservation Office and the Office of the Wyoming State Archeologist. Because of a great deal of recovery of wood objects (namely shoes and lacquer plates) the lab engages in preservation and the study of preservation of such materials.

The Anthropology Department at Tohoku University also has labs, repositories, and a currently closed museum. Professor Akoshima's many predecessors (Professors Itoh, Sarizawa, Yamanouchi, Hasebe, and Matsumoto) have been engaged in archeological research since the early 1900. Their collections from the excavations of Paleolithic, Jomon, and Yayoi period sites is extensive and ripe for restudy, much of it engaged in by Dr. Akoshima's students. A significant part of the lab is also devoted to chipped stone tool microwear analysis, Dr. Akoshima's specialty. Tohoku University has one of the finest comparative collections of use wear on experimental stone tools.

While visiting Tohoku University, the director was able to briefly examine collections from several Upper Paleolithic sites, including what may be the earliest Japanese site, the Sozudai site on the island of Kyushu. These collections are clearly something of potential mutual interest in our quest for precedents to modern human expansion and peopling of the Americas. The director also presented a lecture on the First Americans to the archeology students at Tohoku University.

MEMORANDA OF AGREEMENTS (MOA)



Graduate student Nobert Waslik shows Andrei Tabarev (middle) & Sergei Gladyshev (right) artifacts at the Institute.

A visit from Drs. Andrei Tabarev and Sergei Gladyshev from the Siberian Academy of Sciences in Novosibirsk in early February marked another step in the cooperation and student exchanges with Russian institutions. Dr. Tabarev and Gladyshev have been engaged in a research project in Mongolia for over 10 years. Much of the effort has been devoted to Paleolithic site excavations. They presented the results of this and their ongoing research at one of the few buried Upper Paleolithic sites in northern Mongolia.

Drs. Tabarev and Gladyshev also discussed possibilities of future cooperation and student and faculty exchanges with the Director of International Programs, Dr. Anne Alexander. As a result we will explore the possibility of signing an MOA with the Siberia Academy of Sciences in Novosibirsk.

The Institute will also be discussion signing MOAs with the University of Zagreb in Croatia and the University of Olavarria in Argentina. These are two institutions with which we have been engaged in student exchange programs or have research agendas of mutual interest. The next issue will have more information on these programs.



SUMMER PROJECTS

HELL GAP BY MARY LOU LARSON, MARCEL KORNFELD, AND GEORGE C. FRISON

The flagship summer field project will be at the Hell Gap site, held in conjunction with the University of Wyoming Advanced Archeological Field School. After completion of the first volume of the Hell Gap monograph, it has become increasingly urgent to complete the excavation of the block between Locality I and IE. The block contains a complete mid- to west continental Paleoindian cultural sequence, details of which elude us despite nearly 80 years of research. This field season we hope to excavate through the Cody component and into mid-Paleoindian age deposits in the block. In addition to questions regarding Paleoindian chronostratigraphy, we have been gaining a great deal of information about site structure and formation processes. These will eventually help us answer questions about the nature of the archeological record. That is, are there few long term occupations or many short term occupations (palimpsests) represented by Hell Gap components, and if the latter, can we separate them. These as well as other questions will help us interpret Paleoindian behavior and cultural strategies in the region.

TWO MOON SHELTER BY MARCEL KORNFELD

The 17th season at Two Moon shelter will concentrate on two excavation units out of six that either have been or are in the process of being excavated. One of these units is nearly complete, only the very bottom of the Folsom component needs to be removed. The other excavation unit has just reached the top of the Folsom component. After the 2008 field season a preliminary analysis of the spatial structure of the three components of Two Moon shelter (Pryor, Mountain/Foothill, and Folsom) has clearly shown the differential anatomy of the three components. However, the horizontal space excavated is still relatively small, making behavioral inferences on the basis of spatial structure unreliable. This year's excavation should aid this situation.

BA CAVE BY MARCEL KORNFELD



Excavations at BA Cave in 2005.

This year marks the 16th season of investigations at BA cave. We continue to recover a rich chipped stone and faunal assemblage at the site. Last season after the removal of Early Archaic age rockfall we discovered significant quantities of large animal remains, still in the Early Archaic component. The rockfall had been an impediment to excavation for several seasons, and now that it is removed we will be able to investigate deeper strata. On the basis of diagnostic artifacts discovered during the initial investigations in 1994, we suspect that Paleoindian components lie below the Early Archaic ones. We hope to confirm this early occupation of the shelter during the upcoming season.



WHITE CREEK CANYON BY MARY LOU LARSON AND MARCEL KORNFELD

Three survey seasons of White Creek Canyon have yielded data on numerous rockshelters. The shelters have made a significant addition to our Rocky Mountain rockshelter database. Since the initiation of this project we have discovered about 80 shelters, recorded 74 of them, and tested 4 shelters. So far the testing results have been largely negative, with most shelters not yielding remains of human occupation. This season we will be recording the remaining shelters in White Creek Canyon as well as continuing shelter testing. The results will provide us new data in our quest to understand prehistoric human use of rockshelters.

LAST CANYON CAVE BY MARCEL KORNFELD AND JUDSON FINLEY

Last Canyon cave, a small rockshelter in the Pryor Mountains of southern Montana has proven to have about 40,000 years of nearly continuous sedimentation. This Pleistocene deposit contains abundant faunal material, consisting of both bone and fecal pellets. Over one half dozen species are represented by the bone, including at least two extinct taxa (Pleistocene horse and sheep). The fecal material appears to be either bighorn sheep, pack rat, or both. This year's investigation will focus on mitigating the impacts of looting that destroyed much of the cultural and paleontological record in the shelter. The mitigation will consist of excavating a shallow (10-20 cm deep) Holocene cultural component that contains one or possibly two hearths, small quantity of burned bone, and probably some chipped stone. We hope to recover sufficient information to be able to interpret human use of Last Canyon Cave and thereby preserve some knowledge of prehistory from this site. We will also sample the deeper Pleistocene strata to be able to discuss paleontological history of the cave and make paleoenvironmental interpretations of the late Pleistocene.

PAINT ROCK CANYON AND LITTLE MOUNTAIN BY ROBERT L. KELLY

We will continue working on rockshelters in the Bighorn Mountains during the 2009 field season. It is most likely that this year we will be working on shelters on Little Mountain, outside Lovell, as well as in Paint Rock Canyon and near Ten Sleep. As before, our goal is to determine which shelters contain pre-10,000 BP sediments, and which, if any, of those contain occupations at >10,000 BP. The projects use only small crews, and normally require tent camping, and often long daily hikes into the sites. Please contact Robert L. Kelly for field dates.

WEATHERPORTS, CONTINUED FROM PAGE 1....

The metal frame Weatherports donated by Metcalf Consultants are of two sizes, one is 20' x 20' (6 x 6 m) and the other is 20' x 25' (6 x 8 m). Thus each can accommodate an excavation block of significant size. The metal frames are covered with heavy duty, vinylized covers that can withstand various harsh weather conditions of the Rocky Mountain region. These sturdy structures are designed for year round use. The Weatherports significantly improve the Institute's field capabilities.



The Institute's new weatherport.



APPRECIATIONS

Last year's Institute projects were enhanced by many people. Mark Tubs and family were most helpful in providing us a great camping facility while working in the Agate Basin Arroyo. Without it we could not have undertaken the project and our future efforts to investigate this important site would have suffered. Stan and Mary Flitner helped with access to our field site on Black Mountain and provided us several necessary resources, not the least of which was access to nearby drinking water. Their long term support is most appreciated. Paula and Dave Flitner were most helpful in our efforts to access the White Creek Canyon project area. Without access this project would have been impossible. Although we did not work at the Hell Gap site last season, Dewey and Janice Baars continue to perform critical maintenance activities on the WAF property that enhances our research efforts, such as those planned for next season. Mike Bies of the Worland BLM field office and Carolyn Shreve-Bybee of the Billings BLM field office continue to be supportive of our research efforts in the Bighorn and Pryor mountains of northern Wyoming and Southern Montana. Shannon McPherron of the Max Plank Institute in Leipzig made a valiant attempt to help us establish two working field recording setups, by attempting to modify the EDMwin software for Nikon Total stations. Frank Rupp of the Kremmling BLM field office continues to support our Paleoindian research programs in Middle Park. The success of the Institute programs owes much to all of them. We undoubtedly left out some significant volunteers and others that have enhanced our efforts, we regret any such omissions.



Alm Shelter at the mouth of Paint Rock Creek.

Field work Dates for 2009

Last Canyon	May 1-12
Hell Gap	May 18- June 28
Two Moon Shelter	June 29-July 21
BA Cave	June 29-July 21
White Creek Canyon	June 29-July 21
Paint Rock Canyon	TBA
Little Mountain	TBA



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GoFri

VOLUNTEER and CREW APPLICATION FORM*

(One per applicant)

	Volunteer
--	-----------

	Crew
--	------

Name: _____ Soc. Sec. No. _____ - _____ - _____

Address: Street _____

City _____ State _____ Zip _____

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 _____ 2009.

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___

* This application form is required for your participation in the project.

Please complete and mail it to:

George C. Frison Institute

Department of Anthropology

University of Wyoming

Dept. 3431, 1000 E. University

Laramie, WY 82071-3431

or submit by email to: Willa Mullen wmullen@uwyo.eduVolunteers: **Please mail this form at least two weeks before the beginning of any project you wish to work on.**

By submitting this form you authorize the University of Wyoming, its agents, successors, and assigns, to use and reproduce photograph(s) in which you appear in official UW publications, and I waive any right that I may have to inspect and approve said photograph (or any copy that may be used in connection therewith) or to receive compensation for the use of said photograph..

Because you may have to drive a University vehicle in an emergency we strongly recommend that you acquire an **ADDITIONAL USE OF NON-OWNED VEHICLE COVERAGE** from your automobile insurance carrier.

I agree to duplicate and provide the Institute all photographs that I have taken with my personal camera as soon as I return from the field, or if digital photos, make a copy of files on a CD or otherwise leave with the site director.

Name _____ Signature _____

Date: _____



College of Arts & Sciences
University of Wyoming
Department of Anthropology

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

Name _____

Check Credit Card

Spouse Name (if joint gift) _____

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

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Please check with your human resources or community relations
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(307) 766-6300 or email mag@uwyo.edu*

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

NO9AN

Pledge Agreement

Pledge Agreement or Contribution for the Frison Institute Endowment

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 funds will be transferred to the University of Wyoming Foundation and matched by the State of Wyoming.

My/our commitment is designated for: **George Frison Institute Endowment**

Please make check payable to the: Wyoming Archaeological Foundation

For purposes of recognition and acknowledgment, I/we wish my/our name(s) to be listed as follows:

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

Installment	Amount:	Date	Please Mail to: George C. Frison Institute Dept. 3431 1000 E. University Laramie, WY 82071
Payment #1	\$		
Payment #2	\$		
Payment #3	\$		
Payment #4	\$		
Payment #5 (Sept. 1, 2011)	\$		

EXECUTED THIS _____ day of _____, 20_____.

(Signature) _____

NEW BOOKS!

Medicine Lodge Creek Site, edited by George C. Frison and Danny N., Walker has been completed by Clovis Press and has been available at the University of Wyoming Bookstore since spring of 2008.

Hell Gap: A Stratified Paleoindian Camp at the Edge of the Rockies, edited by Mary Lou Larson, Marcel Kornfeld, and George C. Frison is in press at the University of Utah press and should be available by early spring 2009.

Prehistoric Hunter-Gatherers of the High Plains And Rockies (3rd edition of Prehistoric Hunters of the High Plains) by Marcel Kornfeld, George C. Frison, and Mary Lou Larson (with contributions by Bruce A. Bradley, Julie E. Francis, George W. Gill, and James C. Miller) is in press with Emerald Publishing Company and should be available late in 2009.

Purchase the books at the University of Wyoming Bookstore
www.uwyobookstore.com

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