



EXPERTS DEMONSTRATE METHODS TO CONTROL CUTBANK SITES EROSION

By Richard Fishel, OSA

From May 31 to June 2, 1996, I participated in a bank stabilization training program at the Iron Nation site, Lower Brule, South Dakota. This program, which concentrated upon revegetation techniques used to stabilize eroding cutbanks, was sponsored by the South Dakota Association of Professional Archaeologists (SDAPA), the Missouri River Site Protection Consortium, the Lower Brule Sioux Tribe, and the U. S. Army Corps of Engineers - Omaha District (USACOE).

The purpose of this program was to train individuals from several disciplines in the low-cost methods of stabilizing eroding cutbanks through various revegetation techniques involving willows. University of California - Davis. Dr. Leiser is a member of the American Society for Horticultural Science, the International Society for Arboriculture, the International Propagators Society, and the California Horticultural Society. He has been involved with the revegetation of disturbed areas since 1961 and has co-authored a book on slope protection, erosion control, and revegetation methods.

Approximately 30 volunteers from five states, including members of the Lower Brule Sioux Tribe, the Natural Resources Conservation Service, SDAPA, the Standing Rock Sioux Tribe, the State Archaeological Research Center of South Dakota, and USACOE, took part in the techniques which can be applied to archaeological sites.

Many different revegetation techniques exist, including contour wattling (willow saplings woven together to form a framework that is partially buried on the cutbank, brush layering, brush trenching, brush matting, and interplanting of willow cuttings. These techniques may be individually used at a particular site or a combination of any may be used.

Three major phases are required to successfully revegetate an area:

- 1) The planning stage includes site surveys to assess the degree and extent of erosion and selecting the appropriate vegetation to control this erosion. At this time a decision must be made as to what revegetation technique is appropriate;
- 2) The procurement state involves the collection of plants and other materials; and
- 3) Implementation Stage involves the preparation of the site for stabilization and the actual stabilization itself.



Eroding cutbank. Photo by Rich Fishel.

The next day and a half were spent in the field stabilizing a 100-foot-long cutbank at the Iron Nation site along the Missouri River. All of the above mentioned revegetation techniques were applied to this cutbank in order to give everyone experience with each technique. While some of the methods are fairly labor intensive, the project proceeded smoothly without any glitches.

Monitoring of the stabilized area will be undertaken over the next several years to insure that our methods are productive in controlling the erosion of the area. Plans are underway to make this stabilization program an annual event at different locations.

Compared to the placement of riprap [a foundation made of broken stones thrown together] or the construction of bulkheads or gabions [a cylinder of wicker filled with earth or stones, formerly used in building fortifications], the use of revegetation to control erosion is very cost effective. Through the utilization of volunteers and the acquisition of willows which abundantly grow in many low lying areas along rivers and streams, the only costs involved cover materials such as wooden stakes and wire to secure the brush matting to the cutbank,

Revegetation not only helps control erosion, but aids in masking the archaeological site from vandals, provides a more aesthetically pleasing area to enjoy, and improves the habitat for

the local wildlife. Maintenance of vegetated areas is often minimal compared to riprapped areas. However, no revegetation technique will resist severe erosion until the vegetation has had time to establish itself within the cutbank area. In areas where the cutbank is always absorbing the full force of the river's flow, riprap or gabions may be necessary to use in conjunction with the vegetation until the vegetation cover has been established.

If you are interested in participating in the next bank stabilization program, contact Renee Boen, President of SDAPA, at the following address:

Renee Boen
State Archaeological Research Center
Box 1257
Rapid City, SD 57701

The floods of 1993 and the yearly flooding of most streams and rivers have taken their toll on Iowa archaeological sites. The Office of the State Archaeologist (OSA) statewide survey of Iowa sites potentially damaged by the 1993 floods found that 30 percent of the sites visited had suffered damage to a certain degree. A Top Ten list was developed of Iowa sites that were severely damaged and in desperate need of preservation. Unfortunately, funding does not exist to stabilize and preserve these sites. Thus, volunteer labor must be relied upon to save these resources. The OSA is compiling a list of volunteers interested in committing short amounts of time (a weekend here and there) to the stabilization of these damaged sites. If you are interested in contributing to this effort, please contact:

Richard Fished
Office of the State Archaeologist
302 Eastlawn
The University of Iowa
Iowa City, IA 52242

or: tel 319-335-2396
or: fax 319-335-2776
or: e-mail: richard-fished@uiowa.edu.

IOWA HUMANITIES BOARD SUPPORT FOUND THROUGHOUT THE STATE

Iowa's libraries, museums, historical societies and other groups have received the support of the Iowa Humanities Board (IHB) for community-based programs that bring people and ideas together in Iowa. The IHB, a cultural resource for Iowans since 1971, is a private nonprofit organization supported by public funds from the National Endowment for the Humanities and gifts from private resources.

The IHB has two programs "on wheels" that are available to your community.

Vistas: The Humanities Speakers Circuit, formerly known as the Iowa Humanities Board Speakers Bureau, brings free lectures and programs in the humanities to service clubs, libraries, Farm Bureaus, museums, senior centers, and other organizations all

over the state. A selection of 39 humanities topics are offered: ranging from Royal Art of African Kingdoms to Iowa in the Civil War.

Illuminations: The Humanities Reading Experience, formerly known as the Iowa Humanities Board Library Reading and discussion Series, gives readers across the state the opportunity to read and talk about books that will transport you to new worlds with humanities experts.

The Speakers Bureau has sponsored hundreds of programs and served thousands of Iowans since its inauguration in 1989. This year, by reimbursing speakers for miles traveled and eliminating cos-sharing requirements, IHB makes it easier for groups in every part of the state to participate.

IHB provides traveling exhibits for display in schools, libraries, museums, lobbies and other public areas. Most of the exhibits consist of free-standing cardboard kiosks or posters. Printed materials provide background for some exhibits, any of which may be used to accompany and promote an IHB library series or Speakers Bureau presentation.

Muses magazine spreads the word about public humanities programs and opportunities. *humanities events* (sic) is a bi-monthly calendar of programs around the state. *The Iowa Cultural Resource Directory*, produced with the support of the Department of Cultural Affairs, lists the state's cultural and educational institutions.

IHB provides assorted grants to local nonprofit groups to design and present public programs that bring the light of history, literature, and other humanities studies out of the classroom and into Iowa communities. Grantwriting workshops are also available.

All IHB grants are awarded on a competitive basis. Applicants must meet established deadlines and submit proposals using IHB application forms, available from the IHB office. The grants program includes Major Grants (of over \$1,500); Small Grants (\$1,500 or less); Cultural Alliance grant program; and the Senior Iowan Oral History Project.

More specific information may be obtained from:

Humanities Iowa: Public Programs
100 Oakdale Campus
Northlawn
Iowa City, IA 52242-5000
or: tel 319-335-4153

May 15, 1996 was 1,865,932 days
since the Maya Zero date.

IAS MONIES DISTRIBUTED

The Iowa Archeological Society Treasurer's Report was submitted by Linda Forman on July 20, 1996, at a meeting of the executive board of the Iowa Archeological Society at the Office of the State Archaeologist at Eastlawn Bldg in Iowa City

1. Current U of Iowa Credit Union account totals:

Savings	\$13,533.91
Checking	<u>\$ 1,757.16</u>
Total	\$15,291.07

2. The current total balance represents an increase of \$3,536.35 since the last treasurer's report was filed April 20, 1996. Income came from the following sources:

Memberships and subscriptions	\$11,370.47
Field school fees (McKinney site)	\$ 1,436.00
Annual meeting/banquet	\$ 629.00
Interest from credit union accounts	\$ 70.88
Certification	<u>\$ 30.00</u>
Total	\$ 3,536.35

3. Expenses since 4-20-96 (paid out of U of Iowa Credit Union accounts):

Annual meeting expenses (Buena Vista University, speaker's honorarium and expenses, field trip leader's honorarium)	\$ 830.40
Post Office account	\$ 200.00
Board members' postage and phone (Dave Swinehart, Mary Helgevold)	\$ 103.61
Refunds for overpayments (subscription, membership)	\$ 20.33
Copying	<u>\$ 10.40</u>
Total	\$ 1,164.74

NEW MEMBERS JOIN IOWA ARCHEOLOGICAL SOCIETY IN 1996

Adams, Kimberly J., Ames
Ahrendsen, Rosalie, Oxford Junction
Applebee, Jenifer, Lone Tree
Applebee, Russ, Coralville

Bardole, Betty J., Lytton
Barry, Patrick D., Waterloo
Bestenlehner, Robert, Omaha, NE
Betts, Colin, Urbana, IL
Bickford, Dan, Selma
Blikre, Lowell, Decorah
Breeling, Violet, Little Sioux
Bruen, Anna Marion, Fairfield
Bruhn, Ruby, Blakesburg

Christiansen, Del, Adel
Darbyshire, Mary, Davenport

Darbyshire, Mary, Davenport
Davis, Mindy, Crawfordsville
Dennison, Margie, Des Moines
Dieckman, Lester, Bellevue

Dillon M.D., Mark L., Ottumwa
Dunbar, Paul, Iowa City
Fishel, Rich, OSA, Iowa City
Garvin, Roy & Judy, Avoca
Gaumer, Keith, Indianola

Golio, Janet, Solon
Grundmeier, John, Lakeside
Hall, Christine Hall, Genoa, WI
Heminger, Wes, Mason City
Hennings, Carol, Blakesburg

Jennewein, Marilyn, Coralville
Kimpston, Lu, Hamburg
Larsen, John, Clear Lake
Lauinger, Brett D., Fort Dodge
Marquardt, Marcia & Amy, Mediapolis

Mason, Dick & Carol, Neenah, WI
May, Dr. David, UNI Dept of Geography, Cedar Falls
McCann, Kathleen, Storm Lake
McMillen, Keith Allen, Fort Madison
Mohr, Stephen, Davenport
Morris, Stacey B, Minneapolis, MN
Morse-Kahn, Deborah, Minneapolis, MN
Mulin, M. D., Keokuk
Munro, Adrienne, Burnaby, BC, Canada

Nepstad-Thornberry, Curtis & Tina
Newman, Andrew, Macomb, IL
Nichols, Gail, Iowa City
Nichols, Jim, Storm Lake

O'Brien, Amy, Ames
Peterson, Cynthia, OSA, Iowa City
Pfeiffer, Neil, Storm Lake

Redlinger, Tom, Keota
Reysack, James D., Geneva
Roepke, Dave & Robin, Sioux City

Schatz, William, Cedar Rapids
Schlater, Melissa, Carroll
Schmidt, Michael J., Cedar Rapids
Schroeder, Maria, OSA, Iowa City
Shields, Kevin, Norwalk
Slater, Marty, Marion
Swagler, Sarah J. Pomeroy, Des Moines

Twomey, Jay, Champaign, IL
Withrow, Randall M., Louis Berger & Associates, Inc., Marion
Wolfe, Roger, Muscatine
Zalesky, James A., Solon

IAS Operating Budget 1996

ANNUAL EXPENDITURES	ANNUAL INCOME
<u>PRINTING</u>	<u>DUES</u>
Newsletter 900.00	Student 98.00
Journal 2800.00	Regular 4395.00
Mailing labels 65.00	Household 1134.00
Membership cards 15.00	Sustaining 650.00
Membership brochures 225.00	Institution 1160.00
Copyright fees	
<u>PHOTOCOPYING</u>	<u>INTEREST INCOME</u>
Meeting notices 175.00	Savings account 180.00
Field School notices 150.00	Checking account 20.00
Renewal notices 75.00	
<u>POSTAGE</u>	
Newsletter 320.00	
Journal 600.00	
Late Journals, back issues 250.00	<u>BACK ISSUE SALES</u> 400.00
Meeting notices 430.00	
Field school notices 250.00	
Renewal notices 300.00	
Correspondence 50.00	
USPS permit 85.00	<u>FIELD SCHOOL FEES</u> 1350.00
<u>ANNUAL MEETING</u>	<u>ANNUAL MEETING FEES</u>
Room rental 75.00	Registration 600.00
Speaker's expenses 300.00	Banquet 600.00
Refreshments 100.00	Field trip fee 200.00
Name Name tags, supplies 20.00	
Banquet meal 600.00	
Field trip bus/van 200.00	
<u>FALL MEETING</u>	<u>FALL MEETING FEES</u>
Room rental 75.00	Registration 250.00
Speaker's expenses 100.00	
Refreshments 100.00	
Name tags, supplies 20.00	
<u>PUBLICITY</u>	<u>OTHER</u>
T- Shirts 170.00	Contributions
Caps	Certification Fees 75.00
<u>FIELD SCHOOL</u>	
Field School Support 1350.00	
Scholarships	
<u>AWARDS</u>	<u>TOTAL</u> 11112.00
Plaques 50.00	
<u>OTHER</u> 500.00	
Iowa Archaeology Week	
<u>TOTAL</u> 10350.00	<u>INCOME OVER EXPENDITURES</u> 762.00

CHAPTER NEWS

Southeast Iowa Chapter

By Anton Till

The 1996 season opened with Chapter members beginning the initial stage of conducting a preliminary Phase I survey of the former [Tom and Roseanne] Arnold estate, a rambling 1000 plus acre tract located northeast of the town of Eldon, and now under the ownership of Indian Hills Community College (IHCC), Ottumwa.

The Chapter's efforts will assist IHCC's administration in developing a comprehensive management plan for the property and also provide the Office of the State Archaeologist with valuable site data for this portion of the Des Moines River Valley.

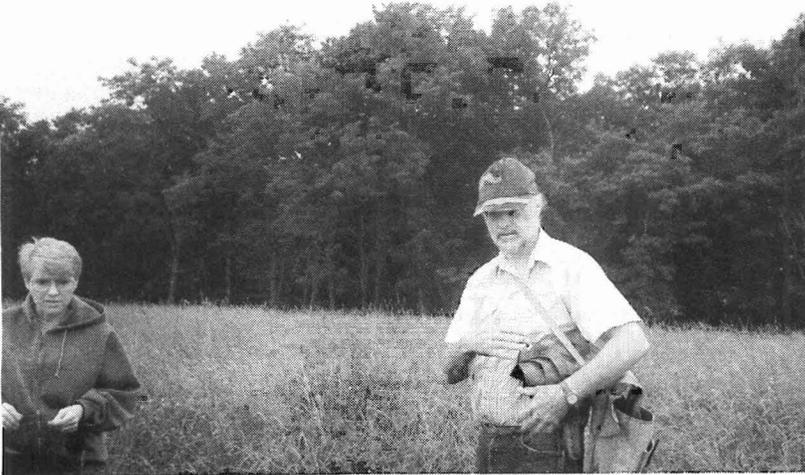
As of our last field exercise held in May, chapter members identified two Euro-American house sites and one potential prehistoric manifestation. All the sites were located in the first designated survey area located in the southwest corner of the property. Although the surface conditions were

Throughout the summer, additional sample areas will be examined, and hopefully more sites identified.

Southeast chapter officers:

President: Anton Till
Secretary/Treasurer: Bill Anderson
Historian: Al Hunt
Newsletter Editor: Karen Stickels
Archaeologist: Anton Till

[The above chapter news is from the Chapter's quarterly *Newsletter*]



In the field at the former Arnold property are Carol Hennings and Anton Till. Photo by Bill Anderson.

Through a series of negotiations with college officials and the land tenant, the Southeast Iowa Chapter was successful in obtaining the blessing from all parties to initiate this important study.

poor due to heavy vegetation, the chapter did manage to collect several sample collections that can be processed during the winter months. The chapter is still waiting for Bill Anderson to find that Clovis point!



On a rainy morning in the field, members l. to r. Al Hunt, Tom Redlinger and Carol Hennings with Anton Till at work. Photo by Bill Anderson



The stone foundation of a barn on the former Arnold property is examined by l. to r. Anton Till and Tom Redlinger. Photo by Bill Anderson.

Contact:
Bill Anderson
Box 51
Richland, IA 52585

Tel. 319-456-3911

Central Iowa Chapter

In June the Chapter gathered at the State Historical Building for a "show and tell" session.

In July, Wendell Spencer, Director of the Madison County Historical Complex, guided the Chapter through the several buildings that make up the complex. Of special interest was the late Amel Priest's worldwide collection of rocks and mineral, as well as the Indian artifacts.

Contact:

Dorothy Kelley
2235 S. 4 St
West Des Moines, IA 50265

Tel 515-243-5207 work
515-287-0332 home

Northwest Chapter

Chapter members spent a March afternoon in a lab session to label some of the bone collection excavated at the Wittrock Site, 13OB4, in 1959.

The bone material was discovered this past winter when Linda Burkhart and Jason Titcomb made a final search of the Storage rooms for material for Jason's project in creating a database for the Cherokee County collections. They discovered a large carton buried in the depths of a storeroom. Inside the box were many shoe boxes full of paper bags of bone material from various depths of the Wittrock Site in 1959.

Linda searched back issues of the *NWIAS Newsletter* and found two articles concerning the project (July & Sept. 1959).

Dr. R. J. Ruppé, Professor of Anthropology at the University of Iowa, and crew who conducted an excavation at the Wittrock site, left six large boxes of bones at the museum and took the worked artifacts with them. Ruppé gave a brief site summary in the *IAS Journal* (July 1959, Vol. 9, No. 1: 9-11), including the "plan to publish pictures and descriptions of some of the more striking material as we come to it, and there will be a formal report on the site. Apparently however, no report was written.

According to the *NWIAS Newsletter* (Sept. 10, 1959, Vol. VII, No. 5:2), the excavation closed on August 13.

"Six large boxes of bones collected at the site were deposited at the museum. This is a valuable collection from a zoological standpoint and should furnish some interesting data to future researchers on the study of

Iowa's early animal life. The laboratory preparation of these bones will be undertaken this winter..."

Apparently, the other five boxes of bone material were labeled. Other material with the 13OB4 nomenclature is stored with other labeled site materials, Linda reported.

In May a field trip to Milford, IA was planned in order to view the collection of Greg Helle. Helle knew of several sites which are not recorded with the OSA, and the chapter planned to assist in getting them recorded.

[The above chapter news is from the Chapter's March, 1996, issue of the *NWI'S Newsletter*, as is the following article]

Sites Found in the Maple River Valley

By Jason Titcomb, Anthropology and Environment Studies student at Iowa State University.

Several weeks ago I ventured down to Ida Grove to talk to Jerry Jensen, who is a conservation officer at Moorehead Park. Mr. Jensen showed me his collection as well as locations of the sites located in the area. Mr. Jensen had been visited by other Chapter members earlier this fall, and it was decided to record these sites.

So what did I see? Mr. Jensen had an interesting collection. From all the sites some projectile points have been found. The range of types were several corner-notched and side-notched projectile points.

There were also one side and basal-notched point similar to a Triple Notched Cahokia point, and one point without any notching. Mr. Jensen also found several "bird points" that were found on a site that appears to have a Great Oasis occupation.

The sources for these points are of different cherts. Though none of the sources

were identified, nothing stood out from the collection such as any flints.

It appeared that a couple of the points were made of heat treated material. Mr. Jensen mentioned that he also had several ground stone tools from most of the sites. There were also a couple of drills and scrapers in the collection.

Ceramics provided a smaller portion of the collection. Some apparent Great Oasis sherds were collected from the same site that produced the "bird points." Some sherds were cord-impressed, and some from another site were more orange in color. All the sherds appeared to be grit tempered.

All the sites were relatively small with the exception of the site with the Great Oasis material. This site is also down river on the other side of Ida Grove, as the other sites were all located north of town along the river. The four sites north of town are all located in close proximity to each other. From one site to the next is only 1/2 to 3/4 of a mile apart, making each site visible to one another.

These sites are all small, and are found on the same side of the river. Some interesting questions could be raised as to when these sites were occupied, and if any coincide with each other.

Though resources such as wood may be limited, and thus the occupation of two sites at the same time may not have occurred. The Maple River valley is scarcely populated with trees today, it is assumed that these conditions were similar hundreds of years making difficult for survival in this part of the state. It would be interesting to see how long these sites were occupied and what kinds of resources were being used.

All the sites are located on terraces next to the Maple River. At this time none of the sites appear to be in any danger. It is good that Mr. Jensen took the time to share this information with us. Now if only others would cooperate this well, we would be able to learn more about the prehistoric occupation from this part of the state.

OSA NEWS

A SPECIAL SECTION OF THE IOWA
ARCHAEOLOGICAL SOCIETY NEWSLETTER



IOWA ARCHAEOLOGY WEEK SEPTEMBER 14–22, 1996

“13,000 Years of Iowa Culture”

The wait is over—Iowa Archaeology Week has arrived! Now is the time for IAS members to participate in this special Sesquicentennial celebration of Iowa’s archaeological heritage.

All over the state Iowans will again have a wide variety of opportunities for hands-on involvement in archaeology. This year we focus on the theme “13,000 Years of Iowa Culture,” showing that people were here long before 1846 and that archaeology is the key method of learning about that ancient past.

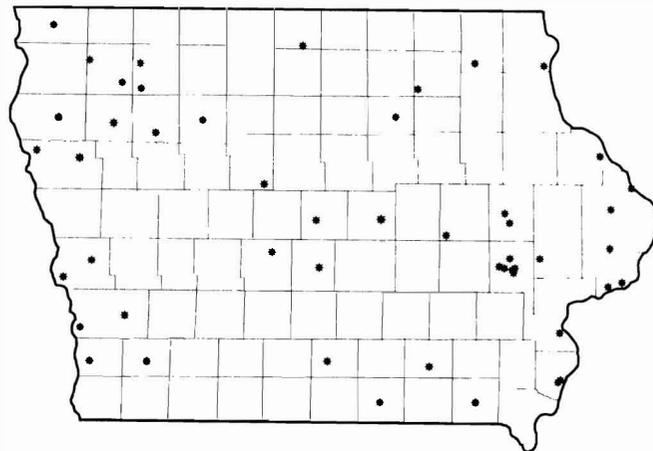
This year 70 events are scheduled in 46 towns and cities across the state, listed in the next column. A poster and a detailed calendar of events are available from:

Iowa Archaeology Week
Office of the State Archaeologist
Eastlawn
University of Iowa
Iowa City, IA 52242-1411

Or call 319-335-2389, fax 319-335-2776, or e-mail osa@uiowa.edu. If you have an Internet connection check out the Iowa Archaeology Week site on the World Wide Web—<http://www.uiowa.edu/~osa/events/arcweek/arcweek.htm>.

Iowa Archaeology Week is sponsored by the Office of the State Archaeologist, University of Iowa. Co-sponsors and supporters include the Iowa Archeological Society, the Iowa Humanities Board and National Endowment for the Humanities, the State Historical Society of Iowa, the National Park Service, and the Association of Iowa Archaeologists.

Ames
Belle Plaine
Bellevue
Bettendorf
Burlington
Cedar Rapids
Centerville
Cherokee
Clarksville
Coralville
Correctionville
Council Bluffs
Davenport
Dayton
De Witt
Des Moines
Dubuque
Everly
Forest City
Ft. Atkinson
Glenwood
Iowa City
Keosauqua
Le Mars
Lucas
Maquoketa
Marquette
Marshalltown
Missouri Valley
Nashua
Oakland
Ottumwa
Palo
Perry
Peterson
Pocahontas
Red Oak
Rock Rapids
Sheldon
Sioux City
Storm Lake
Sutherland
Swisher
Wapello
West Branch
Woodbine



Locations of Iowa Archaeology Week 1996 Events

IOWA
150 
Celebrate
Our State
1846 • 1996
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*Officially Endorsed by the
Iowa Sesquicentennial
Commission*

FALL MEETING OF THE IOWA ARCHEOLOGICAL SOCIETY SATURDAY, NOVEMBER 2, 1996, IOWA CITY

The IAS fall meeting will be held in conjunction with the 54th annual meeting of the Plains Anthropological Conference in Iowa City. The IAS meeting date—Saturday morning, November 2—coincides with the last day of the three-and-a-half-day Plains Conference. Right after the meeting, IAS members are invited to attend a special symposium on University Research Collections.

A post card mailing will be sent to all IAS members in October. Chapter representatives and other members will have an opportunity to share information on recent finds and activities. Members will also be able to attend other Saturday-morning sessions of the Plains Conference and to view book displays and other exhibits. Slots may be open for afternoon field trips, too.

The University Research Collections symposium on Saturday afternoon will be of interest to anyone who works with archaeological, historical, or natural-history collections. Speakers and workshops will address topics of collections cataloging, conservation, and management.

The IAS fall meeting and the Plains Conference will be held at the Holiday Inn, downtown Iowa City. The collections symposium will be held at the Pappajohn Business Administration Building at the University of Iowa.

Call, write, or e-mail the OSA for information on any of these meetings, or dial up Web sites <http://www.uiowa.edu/~osa/events/plains/reg.htm> and <http://www.uiowa.edu/~collect/symphtm.htm>.

CALENDAR

Oct. 4 - 6, 1996 - The 59th Tri-State Geological Field Conference will be held in the Cedar Falls-Waterloo area.

The Saturday field trip includes hydro-geological sites, highway construction and recreations sites, and Pleistocene glacial materials including paleosols.

The banquet speaker, Saturday evening, will be Dr. Kenneth J. DeNault, of the UNI Dept of Earth Science.

Contact:

Sheila Lundberg
Univ of Northern Iowa
SHC 132
Cedar Falls, IA 50614-0223.

Tel: 800-782-9519

Or: 319-273-6855.

Oct. 30 - Nov. 2, 1996 - The 54th Annual Plains Anthropological Conference will be sponsored by the Office of the State Archaeologist, University of Iowa, and will be held in Iowa City.

For program information, contact:

Joseph Tiffany, Program Chair,
Dept. of Anthropology, 319 Curtiss
Hall,
Iowa State University,
Ames, IA 50010-1050

e-mail: jtiffany@iastate.edu

For general information, contact:

William Green,
Office of the State Archaeologist
Eastlawn
University of Iowa

Iowa City, IA 52242-1411

Fax: 319-335-2776

e-mail: bill-green@uiowa.edu

Web:

<http://www.uiowa.edu/~osa/events>

Nov 2, 1996 - IAS Fall meeting in Iowa City, in conjunction with the Plains Conference.

November 14 - 17, 1996 - The 29th Annual CHACMOOL Conference has chosen as its theme: The Archaeology of Innovation and Science, hoping to reveal how archaeologists identify techniques, technologies, and science used by past cultures. Send suggestions, session abstracts, or paper abstracts to:

1996 Conference Committee

Dept. of Archaeology

University of Calgary

Calgary, Alberta

Canada T2N 1N4

Tel: 401-220-5227

Fax: 403-282-9567

e-mail:

1304@ucdasvml.admin.ucalgary.ca

April 2 - 6, 1997 - The 62nd Annual Meeting of the Society for American Archaeology will be held at the Opryland Hotel, Nashville, TE.

June 4 - 7, 1997 - A Symposium on Bison Ecology and Management in North America will be held at the Holiday Inn in Bozeman, MT., to provide a forum for information and discussion on utilizing

various disciplines to understand and manage bison in North America.

Sessions will provide insight into how disease, genetics, ecology, management, prehistory, and tribal concerns can affect bison.

For information contact:

Bison Symposium
Montana State University
235 Linfield Hall
Bozeman, MT 59717
Tel: 406-994-3414

ANNUAL MEMBERSHIP DUES

VOTING:

1. Active	\$15
2. Household	\$18
3. Sustaining	\$25

NON-VOTING:

1. Student (under 18)	\$7
2. Institution	\$20

SEND DUES TO:

Treasurer, Iowa Archeological Society
c/o Office of the State Archaeologist,
Eastlawn, University of Iowa, Iowa City,
IA 52242-1411

The Iowa Archeological Society is a non-profit, scientific society legally organized under the corporate laws of Iowa. Members of the Society share a serious interest in the archaeology of Iowa and the Midwest.

The Newsletter is published four times a year. All materials for publication should be sent to the editor: Sheila Hainlin, 1434 44 St., Des Moines, IA 50311. 515-279-5315.

Iowa Archeological Society
303 Eastlawn Bldg
The University of Iowa
Iowa City, IA 52242

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Office of the State Archaeologist
14 Eastlawn, University of Iowa
Iowa City, IA 52242