



Website Updates:

Mid-Year Meeting Information

SGU Project Workbook:
Greenhouse Lessons
Learned Article

Quarterly Reports

Follow-up of Mid Year Meeting:

What are some recent efforts to strengthen your NR academic program?

Highlights:

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NRE Partners:

FBCC
ISU
NICC
NDSU
SBC
SGU
SDSU
UNL

Paula's Travel:

None planned in March or April

USDA IFAFS GRANT 2001-2005

Sunday Academy Attracts Students

Fort Berthold Community College's Natural Resources Education project, in collaboration with North Dakota State University (NDSU) and South Dakota State University, participated in the Sunday Academy program, supported through the Office of Naval Research.

These academies were designed to allow interested high school students to spend one Sunday per month participating in various exciting math and science projects. NDSU, FBCC and area high school instructors provided instruction to the students.

The major objectives of the program were to recruit and retain Native American students in math, science and engineering programs, to enhance and enrich curriculum by providing access to math, science, and engineering at all levels, and to establish work and research opportunities through collaborative activities.

This program engaged students in day-to-day problems involving standard-based math, physics, chemistry, engineering and technology along with a cultural connection to each topic. Students created graphs,



Students built straw towers at Fort Berthold Community College as part of Sunday Academy activities.

levers, considered logic, viscosity, magnetic fields and conic sections. Guest presenters included engineers, scientists, and parents. Students from Mandaree, New Town, White Shield, Stanley and Parshall communities participated.

In February, as the last session was held, Ruth Short Bull, NRE instructor at FBCC, acknowledged positive outcomes, "There are 2 of our previous Sunday Academy students currently enrolled at FBCC - so we'll expect to see some of this year's students at FBCC in the near future."

Mid-Year Meeting April 21-22 at Iowa State University

Make your arrangements now for attending the NRE Mid-Year meeting on April 21 and 22 at Iowa State University. The Theme of the meeting is "Visioning the Future of Natural Resource Programs at 1994 Institutions."

Each institution is asked to prepare two presentations with handouts for the Mid-Year Meeting. One is the highlights of NRE programs being conducted at your institution – particularly an update of activities since the annual meeting in October. The other, is to prepare a statement of your institution's vision for Natural Resources programs in the future – after the NRE program is completed.

For the 1994s, this includes setting out a vision with your academic administrators and/or department faculty; for the 1862s, this includes identifying partnership options in the future. Please bring handouts for both of these items to the mid-year meeting.

For the tentative schedule, please check the [website](#). Please call to reserve your room at the Holiday Inn Express, 515-232-2300. A block of rooms has been reserved under the name of Natural Resources Project/ISU at the cost of \$75/room. [Click here for directions](#)

Notice:

MANRRS Conference

March 31-April 2
Pittsburgh, PA
Contact Mary,

mmdb@iastate.edu

Check:

<http://www.manrrs.org>

AIHEC Conference

March 30-April 6
Albuquerque, NM
Contact: [aihec-](mailto:aihec-2005@iaia.edu)

2005@iaia.edu

Check:

<http://www.iaia.edu/aihec2005/>

NRE Mid-Year Meeting

April 21-22

Iowa State University
Host Contact: Paula,
pteig@iastate.edu

NRE REPORTING

Year 4, Quarter 1 reports were due February 1. If you haven't submitted your report, please do so. Next reporting date is May 1

Send your news for the next newsletter to Mary M. de Baca

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NRE on the Web

<http://ifafsnrp.ag.iastate.edu/>

Submit project workbook and photos for the web to Jason at Jason_Decker@hotmail.com

NICC Accreditation Review

Nebraska Indian Community College recently was reviewed by the North Central Accrediting Agency, conducted by Drs. Mark Johnson, North Iowa Area Community College in Mason City, IA, Jerome Migler, Minnesota State Community and Technical College at Moorhead, MN and Kyle Patterson Cross, Research Director, United Tribes Technical College, Bismarck, North Dakota.

NICC President Mike Oltrogge invited Harold Crawford and Paula Teig, Iowa State University to participate with the reviewers on March 8 and John Witkowski, University of Nebraska, Lincoln, on March 9. Reviewers were interested in the present funding through the NRE project and possible collaborations of partner institutions beyond the term of the USDA NRE grant.

AIHEC

Look for NRE partner schools and their students at the AIHEC meeting in Albuquerque, April 2-7. FBCC is planning to take several students, 9 in the science area, accompanied by Kerry Hartman. NICC has students in various areas attending. Jenice Jim and Mary de Baca will exhibit for Iowa State University and the Natural Resources Education Project.

Partner Activities

Nebraska Indian Community College

Spring can't be long in coming, according to Hank Miller who met with his Planting group recently at NICC. In addition to the Macy campus, NICC is hoping for a long term lease of 70 acres on which to restore native prairie, construct riparian buffers, plant edible landscapes, and provide an area for community gardens. Jim Hallum has planted wild rice in the backwaters near Santee and hopes to obtain more native wild rice seed from Minnesota. Hank is working on two areas of research as a part of his Prairie PhD program. He will study influences of precipitation on cottonwoods as a part of disturbance ecology and also conduct research on upright and pale purple coneflowers as part of prairie restoration.

Sinte Gleska University

Subodh Singh, in addition to teaching, has been working with science students on the hazel-nut project initiated by Scott Josiah and Beth Hammond, University of Nebraska. He is exploring the economic potential of Locust Bean Gum (*Ceratonia Siliqua*) with a chemistry research grant, and responding to USDA relative to starting up the SAGE research project. Dave Wiser is working with the greenhouse and Lisa Colombe is finalizing a horse program grant with the University of Nebraska.



Linda Jones (left), SBC conducts a tour for visiting FBCC students Houston Kirkaldie (center) and Coulee Fox.

Fort Berthold Community College

Ruth Short Bull is teaching an Introduction to Biology as a dual credit for a few students from the Boys and Girls Club. As a culminating activity they took a field trip down to Sitting Bull College and met up with Linda Hugulen and others. Linda Jones from SBC took the visitors on a short hike by their marina and showed them a variety of plants and explained their ethnobotanical uses.

First Friday Monthly Conference Calls

First Friday conference call was canceled in April – due in part to several attending the AIHEC Conference in Albuquerque in April. At the mid-year meeting we'll discuss possible themes of interest and a schedule for future conference calls.