

Alumni Newsletter

Science Division



MATH • BIOLOGY • PHYSICS • ENGINEERING • CHEMISTRY • NURSING • COMPUTER SCIENCE

Sioux City, Iowa

Summer 1994

Mary Leida Selected as Faculty Person of the Year

Dr. Mary Leida, associate professor and chair of the Biology Department, has been selected as "Faculty Person of the Year" for 1994 at Morningside.



The award is given annually by the Morningside College circle of Omicron Delta Kappa (ODK), a national leadership honor society. The honor was presented to Dr. Leida during the annual Honors Convocation.

A member of the faculty since 1987, Leida teaches a full load of biology courses including genetics, immunology, parasitology, anatomy and contemporary biology. She was selected chair of the biology department in 1989.

Leida has been very active throughout her career at Morningside. She has been a participant in the interdepartmental

honors program, a judge for Competition in Excellence, a member of Morningside's teaching project and has served as coordinator of freshman advising.

In addition to her campus activities, Leida has been a Sunday School teacher, and a member of the National Association of Biology Teachers and the Iowa Academy of Science. She has also published several articles in many national biology and science journals.

She was a National Merit Scholar and graduated Summa Cum Laude from Texas Lutheran College, with a degree in biology and English. She received her masters and doctorate in zoology from Oklahoma State University. Most recently, Leida was elected president of the Morningside Faculty Senate.

Leida lives in Sioux City with her husband, Steve, who is the Morningside microcomputer technician, and son, Hans, a freshman at East High.

New Science Course

An alternative course for non-science majors to complete their laboratory science requirement will be offered in the fall of 1994. The course, "Environmental Issues," will emphasize major national and international environmental problems that human populations are confronted with today.

The course will attempt to integrate a variety of disciplines and approaches necessary to ameliorate and solve problems of energy consumption and viable alternatives, population growth, endangered species issues, ecosystem balance, resource management, and environmental policy. Students from various disciplines will be asked to apply and relate their discipline to these issues.

The course was taught on a trial basis during the spring '93 and fall '93 semesters. It was well received by non-majors as the "class" was full each semester.

New Science Facility Planned

In April, 1993, the Science Division faculty met with the Educational Policies Committee of the Board of Directors. The purpose was to inform and discuss science/math/nursing/ facilities and equipment needs with board personnel.

The new science building was moved to the top of the projects list and a planning committee was formed which consisted of Joe Clafin as chair; representatives from each of the departments in the Science Division; Bari Watkins, Dean of the College; and two students.

This past April, Arthur J. Lindsay, ACP, partner in a firm from Boston, visited the campus for two days. His report to the planning committee urges the department to think interdisciplinary and consider the long term needs of the college when developing the new building.

Midwest Power Continues Funding

Morningside College will be able to continue valuable environmental research on the Missouri River and in Western Iowa with a \$58,000 grant from Midwest Power.

The 1994-95 grant funds the first year of four-year extension of the Science Education and Undergraduate Research Program (SEURP) supported by Midwest Power.

The objective of SEURP is to provide local high school students and Morningside College students with research opportunities in physics, chemistry, biology, and environmental studies, according to David Dooley, manager-environmental affairs, Midwest Power.

"Our partnership in environmental studies with Morningside College began in the mid-1970s and evolved into the undergraduate research program in 1987. The program also helps elementary and

middle school teachers improve science education through workshops at the Port Neal Field Laboratory and by supporting the "Scientists in the Schools" project," Dooley said.

In 1994, the "Scientists in the Schools" project was introduced to promote science education by enabling Morningside College scientists to present programs and laboratory demonstrations at local elementary and middle schools.

Since 1987, Morningside College faculty and students have used the Port Neal Field Laboratory for conservation and wildlife research and for classes in ecology, field biology, natural history and zoology. The laboratory is located about 17 miles south of Sioux City along the Missouri River and near four Midwest Power coal-fired generating units.

(Continued on page 4)

Faculty Activities

Biology

Dr. Mary Leida, Chair of the Biology Department, served on the Biology Curriculum Development Charette for Western Iowa Technical Institute in November, 1991. Later that year she attended the national meeting of the American Society of Parasitology in Madison, WI, and reviewed a parasitology textbook for Mosby BK, Inc.

In April, 1992, Mary attended a follow up to the National Science Foundation's "Introduction of Molecular Biology Techniques into the Undergraduate Curriculum." The workshop was held in LaCrosse, WI. In addition, Mary attended a workshop entitled "Creating Climates for Learning." This was sponsored by the Council of Independent Colleges and was held in Omaha, NE.

Dr. Joe Claflin, Chair of the Science Division, was granted a one-semester Sabbatical Leave during the fall of 1992. The experience began during the summer of that year when he had placed two students as Interns with the U.S. Forest Service, in the South Dakota Black Hills.

Jean McGinnis and Paula Armstrong lived at the conservation Work Camp, west of Rapid City, SD and worked for the Forest Biologist during the ten week internship. Claflin spent 4 weeks during the summer working with and supervising the Internship activities.

Goshawk surveys, old growth forest assessment, snag marking and stream surveys were a few of the experiences encountered. The information gathered and techniques employed will become part of the existing curriculum in ecology and field biology. Part of the fall was designing as "travel time" and time to design the Environmental Issues course.

Joe attended the Midwest Regional Fish and Wildlife Conference in St. Louis, Missouri in December of '93. Information concerning zebra mussel distribution and impacts was discussed with Mississippi River research biologists. Ideas for future Interim projects were also gathered.

In January of '94, Joe attended a one day "Kaleidoscope" workshop. The workshop, sponsored by the National Science Foundation, was designed to provide information regarding the renovation and updating of existing undergraduate

science research space. The process of writing grants to fund renovation was discussed in some detail.

Then, in April of '94 he attended a two day World Climate Change Symposium at the University of Iowa. The symposium was the second in a series that attempted to evaluate and predict the impact of potential climate changes on agricultural systems, land use, and vegetation.

Jane Hey, assoc. professor of biology, completed her doctorate. She received the degree from Iowa State University on May 14, 1994. Her thesis was entitled "A study of thyroid hormones in eggs and larvae of walleye, *Stizostedion vitreum* and rainbow trout, *Oncorhynchus mykiss*."

The completion of her degree has paved the way for collaborative research between Morningside and ISU.

The biology department has been fortunate to have a highly qualified person to teach the Human Anatomy course for our Nursing students and a number of biology majors and minors. **Angelica Aviles-Saffari, MD** received her medical degree in Panama. She is presently raising a family and is teaching part-time at Morningside. Her insights and relationships with students have added a very positive dimension to our program, which we hope will continue.

Chemistry

Dr. Larry Martin, associate professor of chemistry attended the 207th National Meeting of the American Chemical Society (ACS) in San Diego from Saturday, March 12 through Tuesday, March 15. Larry is on a committee that is writing the new version of the ACS standardized exam for the General, Organic and Biological Chemistry course.

Dr. Martin is on the sub-committee working on the Organic portion of the exam. On Saturday, they completed 2 versions of the exam to be tested at several schools (including Morningside) to determine which questions from the 2 versions will be used to make up the final exam.

The committee will get together next year at the spring meeting being held in Anaheim to formulate the final version of the exam. The committee completed its

work on Saturday, so, on Sunday and Monday he attended some of the technical sections including the "Organic Chemistry Courses" and the "Application of Hypermedia/Multimedia to Chemistry Education" sections in the Division of Chemical Education and the "Organometallic and Catalyzed Reactions" section in the Division of Organic Chemistry. Although the schedule was a little hectic at times, the trip was enjoyable.

After teaching at Morningside College for eighteen years, **Dr. Edward Shane**, professor of chemistry, took a much deserved sabbatical. Ed spent his leave at Worcester Polytechnic Institute teaching in their general chemistry program, but he spent the majority of his time there doing research and studying.

Although he did take courses in biochemistry and molecular pharmacology at WPI, Ed's main concern was with his research on the binding of the drug propranolol to albumin. Ed considers this research quite successful because he was able to gather much information about the binding characteristics of the propranolol/albumin system.

These findings served as the basis of a 1993 summer research project for Cher Moseman ('95). Ed plans to publish his findings in the near future.

Mathematics

In the fall of 1992, the entire department attended the Fifth Annual Conference on Technology in Collegiate Mathematics in Chicago. Some of the special focus areas of the faculty included Precalculus, Calculus, Differential Equations, Linear Algebra, and Abstract Algebra. In addition, participants analyzed interactive computer texts for their level of usefulness.

Dr. Douglas Swan, Chair of the Mathematics Department, has attended two National Science Foundation sponsored workshops at St. Olaf's College in the last two years. "Computers in Geometry Classrooms" was the topic of the first workshop. At the conference, the Modern Geometries class that is primarily taken by secondary education teachers was rewritten to include the use of three

(Continued on page 4)

Alumni & Student News

Alumni

Greg Harson, a 1992 graduate in biology, is presently a Ranger/Naturalist for the Lyon County Conservation Board. Greg represents a classic example of how a student acquires the independent experiences that lead to a productive, enjoyable profession. Greg worked as a volunteer for the Woodbury Conservation Board during the spring of his senior year, followed by a twelve-month temporary position with the Iowa DNR in the fisheries research and wildlife sections. He gained valuable experiences in wetland restoration, turkey trapping in Eastern Iowa, fisheries management and hatchery operation. The experience gained resulted in his being qualified for the ranger/naturalist position he now enjoys.

Presently, Greg is going through the Law Enforcement Training program in Des Moines. He will then be an enforcement officer as well as the naturalist in Rock Rapids. Greg has returned on at least two occasions to visit with our students and to emphasize the need to "become involved" in activities on and off campus.

Current Students

Jason Kolbe, a **junior** biology major, just returned from Edge Hill College, Ormskirk, England, where he attended winter term classes. Jason took courses in field biology, evolutionary ecology, urban policy, Afro-Asian studies and political science.

He visited Stockholm, Paris, Amsterdam and London during his European stay. "The social and academic interactions with foreign students and professors was a fantastic experience," said Kolbe. "If the opportunity to study abroad presents itself, take it."

Ron Schafer, a **junior** biology major from Mount Ayr, Iowa, recently was accepted to the Anna Beal Trust Scholarship Program for 1994. This program is part of the Nature Conservancy efforts to evaluate, acquire and manage natural areas throughout the world. Ron will receive a summer stipend and a partial tuition allowance for the fall semester.

The ten week internship will involve field activities evaluating species diversity in northwest Iowa prairies, grasslands and riparian habitats.

Field Trips

Twelve students and Professor Claflin began a three-week journey to the Desert Southwest on May 8, 1993 to study the biology, geology and natural history of the southwestern deserts.

The experience began with a visit to the Mammoth Site and Wind Cave near Hot Springs, SD. Lava flows and white sands (NM) were highlighted by rain and wind storms. Sessions with naturalists, who discussed the flora and fauna of the area, however, were most impressive. Saaguaro National Monument, Quitobaquito Springs, the Arizona-Sonoran Desert Museum and the Grand Canyon were highlights of the Arizona segment of the trip. "Tired" was the key word when students returned from hiking to Indian Gardens in the Canyon. Zion and the Arches provided some great photo-ops, as well as interesting geology, on the way home.

The 1994 field trip will extend to the western-most point of the United States, Cape Flattery, on the Olympic Peninsula. Four days will be spent examining the vegetation of the temperate rain forest before heading south to Newport, OR, where intertidal invertebrates, the Oregon Dunes, and bogs will be emphasized. The "clam chowder" in Newport is a real drawing card for most students.

Claflin is going to Alaska this summer in an attempt to develop an itinerary and plans for a 1995 trip. Contacts in Anchorage and on Kodiak Island will hopefully provide experience and field trip options. The "sign-up line" is already forming. ☘

Internships

Summer 1991

Nursing:

Sheri Busch ('92), Rochester Methodist Hospital.

Cynthia Krenz ('92), Rochester Methodist Hospital.

Nancy Mouw ('92), Sioux Valley Hospital, Sioux Falls, SD.

Karre Rouse ('92), U. of Iowa Burn Unit.

Molly Van Rooyan ('92), U. of Iowa Hospital and Clinics.

Summer 1992

Biology:

Stephanie Hotle (SR), Wayne County Hospital, Iowa.

Denise Wagner ('93), Burgess Memorial Hospital, Onawa, Iowa.

Fall 1992

Biology:

Scott Barber (SR), Woodbury County Conservation Department.

Jean McGinnis ('93), Kind and Knox, Sioux City.

Ron Schaeffer (JR), County Conservation, Ringgold County, IA.

Summer 1993

Biology:

Juliane Singer ('83), Nichols Institute, Sioux City.

Greta Gonnerman (SR), Testing Lab, Beef Spec. Packing Plant, Hartley, IA.

Nursing:

Rachel Akins (JR), Healthy Start Program.

Mary Jo Bootsma ('94), Easter Seal's Camp Sunnyside.

Spring 1994

Biology:

Jeree Carlson (SO), Marian Heath Center Physical Therapy

Alumni Update

Name _____ Class _____

Address _____

Undergraduate Major _____

Advanced Degrees/School _____

Recent Employment _____

Honors _____

Activities and items of interest _____

Other Information _____

Send to:

Joe Claflin, Science Division Chair, Morningside College, Sioux City, Iowa 51106

new software products: Cabri, Euclid's Toolbox and Geometric Super-supposer.

The second workshop was "Teaching ODE's with Computer Experiments." At this conference, Doug presented a lab using Derive to solve differential equations that was co-authored by Adrianna Attlwaon of North Iowa Community College in Mason City.

In the Fall of 1993, the entire department attended the Greater Kansas City Mathematics Technology Expo. At this conference, Doug and Dr. Nimmo made a joint presentation, "Cooperative Learning in Calculus." The presentation included a summary of the structure of the course and discussion about the benefits of cooperative learning. They found that both class performance and attendance have increased since implementing this program.

Dr. Steve Nimmo, assoc. professor of math, has been very active with committees this past year. He has been a member of the Academic Policies Committee, the Recreation Advisory Board, Freshman Orientation Pilot Project and has been the Secretary/Treasurer of the Iowa Section of Mathematics Association of America.

Nimmo also presented to the North American Teachers of Mathematics in Des Moines in February, and to the Iowa Section of MAA at Grinnell College in April.

Nimmo is currently working on a Linear Algebra textbook with a colleague from Eastern Kentucky University and is working to develop new teaching strategies for mathematics.

Computer Science

Assistant professor **Carolyn Steinhilber** presented the paper "A Course in Software Development" and a poster

Chemistry (cont.)

Three 1993 SEURP projects will be presented at the annual Iowa Academy of Science conference in April. The titles of the projects are the "Woodbury County Amphibian Study," Propranolol Binding to Protein" and "Computational Chemistry," according to Dr. Jane Hey, director of SEURP.

Hey said, "Projects will focus on extending research that was begun in 1992 and 1993. The SEURP program is valuable to faculty and students as an opportunity to experience research in

with student Doug Rants ('93), "A Software Tool for Teaching Dynamic Data Structures," at the Small College Computing Symposium.

The paper described a course designed as part of her involvement in "Bringing the Industry View of Software Engineering to the Classroom," a workshop sponsored by the National Science Foundation. Carolyn attended this conference in the summer of 1992.

The poster was a demonstration of a program designed by Carolyn and Doug Rants ('93) which presents graphics along with the Pascal code for using fundamental data structures with printer variables and dynamically allocated memory.

Bill Steinman, asst. prof. of information systems, taught a Technique Seminar at Stanford University in Palo Alto, California in August of '93. Fifty-five faculty from a variety of private and public institutions developed new techniques for Pacific Crest Software in Corvallis, Oregon. A five day follow up seminar will be held at Morningside this June.

Bill also presented a paper on Project CECIL at the Small College Computer Symposium in Winona State University, Winona, MN, this past April. In addition, Bill has been the Faculty Senate President during the 1993-94 academic year.

Nursing

Mary Hettinger, RN, MSN, attended the Mid-America Conference in Aging in the summer, 1993. In addition, Mary served as the advisor to the Iowa Association of Nursing Students, a new nursing student organization.

As the American Nurses' Association Congressional District Coordinator of the 5th House District, Mary is interviewing all candidates for this seat. She is receiv-

ing assistance with the interviews from senior nursing majors.

more depth and variety than a classroom permits."

Midwest Power is the electric service division of Midwest Power Systems Inc., a Des Moines-based utility company.

A series of "scientists in the classroom" events are underway during this academic year. Science faculty members has offered to spend up to a full day in an elementary, middle school or high school classroom, demonstrating and discussing basic science concepts with potential science students. ■

ing assistance with the interviews from senior nursing majors.

Carol Searls, RN, MS, passed the 1992 American Nurse's Association advanced certification examination as a clinical specialist in medical-surgical nursing. Carol is now one of only ten certified as such in the state of Iowa.

Carol also earned a 5-year specialty certification through a written exam as a Certified Rehabilitation Nurse by American Rehabilitation Nurses Association.

LaVone Sopher, RN, MSN, served as a delegate to the American Nurse's Association Convention. She also participated in the Family Nurse Practitioner Study.

Soon, LaVone will complete a post-master's Family Nurse Practitioner program through SDSU. She is currently doing her preceptorship with Drs. Opheim and Cline.

LaVone will finish in July with Certification Board exams in October '94.

Janet Phillip, RN, MS, spent the 1992-1993 academic year on sabbatical, working on her doctorate in Educational Administration at the University of South Dakota.

Janet also passed her comprehensive exams for her doctorate in Educational Administration in April at USD and plans an August '94 graduation.

Sharon French, RN, MSN attended the 1993 National Maternal Child Nursing Convention. Sharon also presented a poster presentation, "Development of an Early Discharge Program: A Challenge to Meet the Needs of the Childbearing/Childrearing Family" during the National Maternal Child Nursing Convention in Dallas, TX this past March.

Sharon was also a candidate for the Women In Excellence Award

Kathy Buchheit, RN, MN was recently elected president of the Advisory Committee for Silver Advantage at Marian Health Center.

Kathy has also successfully completed comprehensive examinations for her doctorate in Educational Administration at USD. She is currently conducting research on clinical teaching behaviors. She plans a December '94 graduation.

Thirty student nurses attended the NSNA state conference in Oct; 11 went to Regional meeting in Texas; 8 went to national convention in Philadelphia. ■

SEURP 1994

The 1994 Summer SEURP projects are as follows:

Port Neal Field Station

Jane Hey and Tim Orwig
Amphibian Survey in Western Iowa
Butterfly Monitoring
Bluebird Trail
Native Prairie Maintenance

Propranolol Binding to Serum Proteins

Ed Shane

Refining a Non-Science Majors

Laboratory Manual

Mary Leida

Zebra Mussel Monitoring

Joe Claflin

Development of Computer Based General Chemistry Lab Experiments

Larry Martin

Acyl Anion Equivalents

Larry Martin

The above projects will employ both college and high school students for a 10 week summer period.

Each research group will develop posters that will be presented at the August luncheon with Midwest Energy personnel. Some will be presented at the April 1995 Iowa Academy of Sciences meeting.

Alum Discovers Fossil

Roger McGinnis, a 1992 graduate, recently found a fossil fish in the Cretaceous limestone deposit north of Stone Park in Sioux City. The fish, ultimately identified as *Ichthyodectes stenodens* is between 70-135 million years old.

It is one of the most complete finds of this particular species known to paleontologists. Roger was working as the manager of the Iowa Great Lakes watershed when he had a vascular problem diagnosed which took him out of the work force for a period of months. During his recuperation, he began "digging," a hobby he had long enjoyed.

The segments of the fish were carefully removed, transported to his home, and eventually to the Morningside chemistry lab. There Roger began the tedious task of "cleaning" the specimen. The identification was confirmed by University of Nebraska and University of Oklahoma scientists.

Roger continues to "dig" and "clean" the specimen. This has been an interesting sidelight for our biology students to view techniques and methods for isolating and preserving a 100 million year old specimen.

Science Club Meetings 1993-94

- September 22 General Meeting
- October 13 Election of officers: President, Jim Graff
Vice Presidents, Jason Kolbe/Vince Dvorak
Treasurer, Matt Sanford Secretary, Amy Pease
- November 3 Greg Harson '92 - Lyon County Conservationist
- December 1 Dr. Craig Bainbridge
- December 13 Student/Faculty Volleyball
- January 22 Student/Faculty snow softball - students realize how well faculty cheat
- February 8 Dr. Robert Powell - spoke about his trips to Costa Rican Rainforest
- March 2 Dr. Frank Stein - discusses his research on "Self Regulation of Depression" and USD's Occupational Therapy program
- March 22 Roger McGinnis '92 - talked about the fish fossil he found north of Sioux City and the preservation process
Election of Officers for 1994-1995: President, Jim Graff
Vice President, Matt Sanford Treasurer, Rita Takes
Secretary, Jason Lauritson Social Director, Michelle Carr
- April 6 Science Club Career Night: Conservationist, Janyce Keeney; Medical Technician, Randy Williams; Veterinarian, Dr. Deb Simonsen; Landscape/Nursery, Ron Poe; Pharmacist, Dr. Mike Padomek; Dietician, Marilyn Hoeffler; Physician, Dr. Merle Muller; Engineer, Jim Dougherty; Teacher, Shelly Nash.

IA Academy of Sciences Presentations

1993

Catherine Daniels Hennessy:
Oral Presentation of her paper on the ecology of the parasites of aquatic snails.
This research was sponsored by Dr. Mary Leida.

1994

Poster presentations

Cher Moseman:

"Propranolol Binding" A project directed by Dr. Ed Shane.

Rebecca Spieker:

"Computational Chemistry" A project directed by Dr. Larry Martin.

Jeree Carlson, Jim Graff, Matt Sanford:

"Field Station Activity: Amphibian Survey, Distribution and Abundance"

A project directed by Dr. Jane Hey.

Research gets External Funds

A number of projects, independent of the funding through Midwest Energy (SEURP Program) have developed due to expertise and experience gained through SEURP research. Projects funded through the Sioux City Health Department (water quality), the State Department of Natural Resources (heavy metals in aquatic systems), Midwest Energy (thermal plume and depth profiles at the power plants on the Missouri River), have all received external funding and have all provided opportunities for both faculty and student experiences in the sciences.

Centennial Plans Underway

Tentative plans have been made for the Science Division during the College's year-long Centennial Celebration that recently got underway.

During the All College Reunion, August 4-7, the division will sponsor a number of events.

First, on Friday, August 5, there will be three classroom sessions, 45 minutes each, that will focus on research activities and SEURP projects, interim trip slide shows and internship options for students.

On Saturday, August 6, from 9:00 to 11:00 a.m. and again from 1:00 to 3:00 p.m., the science buildings will be holding an open house.

Over the noon hour on Saturday, there will be a luncheon at the Port Neal Field Station. Transportation from the college will be made available. The luncheon will honor the late Dr. T.C. Stephens who taught at Morningside from 1906 to 1947.

Dr. Stephens was a well known naturalist and ornithologist. He was a supporter and teacher at Lakeside Lab on Lake Okoboji for many years. Former

students of Dr. Stephens will be invited to attend the event.

Throughout the weekend, there will be wildlife art on display by Steve Brauhn ('93). Also, the location of the new science building will be "flagged" so everyone can know where it will be built. General plans may be available to indicate internal and external arrangements.

Also in honor of the Centennial, the nursing department will host Dr. Quinceala Brunk, a member of the faculty at the University of Alabama, Birmingham, School of Nursing. Dr. Brunk will present a convo on November 9 entitled "Activists for Change: Lessons from Civil War Nurses."

Then, on November 10, she will present a workshop called "Vision of the Past, Promises for the Future" as a continuing education program for Siouxland nurses.

Plan now to attend the All College Reunion and many other Centennial Events. For more information contact the Alumni Office at 1-800-831-0806. ♣

Enrollment, Placement both Excellent

Fall 1992 saw 30 new students (freshmen and transfers) choosing a biology or pre-health profession major. This increased the total number of biology majors to 70. There were more than 40 new students in biology in the fall of 1993. After figuring the number of graduates, transfers and major changes, the total number of biology majors in the fall of 1993 was more than 75. ♣

Over the past 4 years, close to 90% of graduates were accepted into their first choice of graduate/job related programs.

Pre-Med: 100% - 12 of 12 have been accepted in a medical program at Iowa, Des Moines or Kirksville, MO.

Chemistry: 100% - 3 of 3 accepted into graduate programs in chemistry.

Biology: 84% - 37 of 44 accepted into graduate school or professional programs. ♣

Galli Retires



Professor Jim Galli retired this year following a 37 year relationship with Morningside.

Jim is a 1954 graduate of Morningside and has been a faculty member in the physics department for the past 33 years.

He has taught physics, math, astronomy and geology courses to hundreds of Morningside grads. Former students look back on the field trips, star gazing and classroom antics with fondness.

Jim's contributions to the college will be missed as he plans to camp, boat and care for his six children. We in the sciences will miss him. ♣

Anxiety Study

Faculty members from math, biology and nursing have designed a series of workshops to develop strategies for combating science and math anxiety problems.

Robbie Rohlena, instructor of math, Lavone Sopher, associate professor of nursing education and Jane Hey, associate professor of biology, are involved in attempting to combat anxiety by promoting success in science and math disciplines.

Faculty members are in the process of working out strategies to overcome lack of interest and frustrations common in introductory courses in these disciplines. ♣

**Science Division
Morningside College
Sioux City, Iowa 51106**

Non Profit Org.
U.S. Postage

PAID

Permit No. 650
Sioux City, Iowa



printed on recycled paper