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Bowling Green State University

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Butterfly ‘bed-and-breakfast’ focus of grant-funded study

After it was decided to attempt to reintroduce an endangered species of butterfly into northwest Ohio and southeast Michigan, Helen Michaels, biological sciences, asked the next most obvious question:

Is the population of a specific plant which the butterfly uses as both nursery and cafeteria robust and healthy enough to support the reintroduction?

With the help of a three-year, $289,000 grant from the U.S. Environmental Protection Agency, Michaels and her colleagues should be able to answer that question and provide insight into genetic changes in plants as civilization encroaches on their natural habitats.

“Plants in small and sparse populations often have low reproductive success,” Michaels said. “Our research is designed to determine the current health of the plant population and the possibility for its long-term viability.

The plant in question is the Larner Blue, which could once be found throughout the northern U.S. and southern Canada, but has not been seen in Ohio since the mid-1980s. It lays its eggs exclusively on the Lupine plant, and the resulting caterpillars dine on the leaves of the plant as they mature into the next generation of butterflies.

Before this area was settled, the butterfly was numerous and the Lupine was one of the dominant plants in the region, Michaels said. But as the prairie-like areas where the plant thrives were cultivated or developed, the range of the Lupine decreased and the distance between the resulting islands of plants grew.

As these “islands” became smaller and more isolated, the chance that each plant was being pollinated by a close genetic relative increased, Michaels said. She explained that, as in animals, inbreeding weakens the genetic health of the plant and threatens its long-term survival.

But how isolated is too isolated? How small an area is too small? How small a population is too small? And what are the stages a plant species goes through on its way to becoming genetically endangered? Those are some of the questions Michaels will attempt to answer in a three-part study over the next three years.

The first part, which will take place this spring and summer, will center on the remaining prairie-like Lupine fields in the region. Examining areas that vary in size from a few hundred square feet to a few acres, Michaels said she will collect census data on the plants, noting information such as the distance between each plant and the number of plants in a given area.

Collaborating with entomologist Randall Mitchell of the University of Akron, Michaels said she will also be studying bees—-the chief pollinators of the plant—in hopes of answering more questions.

Among them: How far is too far for bees to travel? What is their pattern of movement from plant to plant within a specific area? Will they fly from one “island” of Lupine to another? If yes, how often do they travel that distance, and is it enough to maintain a healthy genetic diversity in the plant population?

In addition, Michaels will collect data from both large and small-island populations and grow them in the laboratory to measure the resulting plants to determine their health and genetic diversity and determine if any correlation those findings have with the size of the plant “islands” from which they were collected.

Finally, she will take a DNA “fingerprint” of selected plants. Much like police who use DNA testing to determine if a suspect is the culprit of a crime, Michaels will study these “fingerprints” to determine the genetic variation and diversity of various plant populations.

Helping Michaels and Mitchell in their work will be BGSU and Akron students. From all of the data, Michaels said estimates should be possible on the minimum area needed for self-sustaining Lupine populations.

“The results should improve the ability of the various agencies to manage preserves, augment existing or create new populations of Lupine that will support not only itself, but also the butterfly,” she said.

“We should also be able to recommend guidelines for the development of corridors of plants that will allow the butterfly to disperse throughout the Great Lakes region,” she added.
Health fair

Marsha Bostelman, biological sciences, has a blood sample taken for a cholesterol check at the Student Health Services booth during the April 7 Health Fair in the Student Union. Administering the test is Patty Pickering (right).

Lecturer to address character

Will Keim, a motivational speaker, educator and author, will discuss the ethical dilemmas and leadership potential of today's college students on Thursday (April 13) as part of the Presidential Lecture Series.

His free lecture, titled "The Education of Character: The Truth About College," will begin at 7 p.m. in the Student Union's Lenthart Grand Ballroom.

"Keim is inspiring," said Edward Whipple, vice president for student affairs. "While he emphasizes the real issues facing college students today, he never loses sight of the fact that the broader purpose for education is to build character."

Keim has spoken to more than 2 million students on 1,000 campuses in the U.S., Australia, Greece, Malaysia and Canada. His corporate clients include AT&T, IBM and Delta Air Lines.

He is currently campus minister for the First Christian Church in Corvallis, Ore., and is on the board of directors of Delta Upsilon International Fraternity.

Riding program seeks volunteers

Volunteers are being sought for a new therapeutic horseback riding program sponsored in part by a Partnership for Community Action grant from the University.

In cooperation with Val Meadoues Therapeutic Riding Center in Oregon, the pilot program aims to give people with multiple sclerosis an opportunity to gain physical and recreational benefits from therapeutic riding.

Volunteers, whether students or anyone else with riding experience, are needed to be horse leaders and side walkers. Training sessions will be held April 24, May 1 and May 15. Classes will follow on Wednesday evenings and Saturday afternoons through Aug. 7. Volunteers may help on either or both days of the week.

The program's other sponsor is the Northwest Ohio Chapter of the National Multiple Sclerosis Society.

For more information, contact either project coordinator Sue Gavron, human movement, sport and leisure studies, at 2-2396 or sgavron@bgsu.edu or Tara Patterson at 2-1132 or tpatterson@bgsu.edu.

Staff to be honored for service

Nearly 160 administrative and classified staff, including 12 who have been with the University for 25 or more years, will be honored at this month's annual Staff Recognition Banquet for 15 or more years of service to the University.

Leading the list of honorees are Charles Codding, facilities services, who has been with the University for 50 years, and Bob Thoma, treasurer's office, who has reached the 40-year mark.

Surpassing their 35-year anniversaries as of last Dec. 31 were Nancy Frey, information technology services, and William Leutz, WBGU-TV.

Also recognized at the April dinner will be 14 staff members with 30 years of service, 28 with 25 years, 65 with 20 years and 48 with 15 years. A 6 p.m. reception will precede the 7:30 p.m. dinner in the Student Union's Lenthart Grand Ballroom.

Marking anniversaries, too, are 89 staff members with 10 years at the University.

They will receive service awards from their area vice presidents.

Other honorees include:
- 30 years: Joanne Amos, facilities services; James Beaudry, parking and traffic; Carol Rockward, dining services; Philip Fisher, facilities services; Beverly Coppler, facilities services; Derek Dickinson, recreational sports; Louis Dietrich, University bookstore; Randy Galler, facilities services; William Henning, information technology services; Barbara Loos, dining services; Joseph Martin, bursar; Nancy Myers, theatre; Janet Watson, communication disorders; Linda Underlie, undergraduate student services.
- 25 Years: Joseph Baker, biological sciences; Alen Bowe, WBGU-TV; Jean Marie Crozier, dining services; Sheryl Dennis-Dickinson, student affairs; Charles Dicken, information technology services; John Dorozuz, facilities services; Elizabeth Eberle, facilities services; Candy Eckel, student life; Hazel Espana, information technology services; Patrick Fitzgerald, WBGU-TV; Linda Glomski, communication studies; Mary Hennings, continuing education; Mary Holley, human resources; Jeffrey Jackson, facilities services; James Keich, athletics; John King, Libraries and Learning Resources; Tina Martini, registration and records; Charlotte Parker, geology; Paul Reed, facilities services; Janet Rowe, recreational (intramural) sports; Frances Seiffert, facilities services; Mary Snellert, business office; Norma Stickler, provost's office; James Treger, Student Union; Betty Walton, facilities services; Larry Weiss, alumni affairs; Jean Wood, facilities services, and Matthew Woolsey, Firelands College.

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Reservations due Wednesday for 'Daughters-to-Work' Day

Wednesday (April 14) is the deadline to make reservations for the University's Take-Out Daughters-to-Work-Day program on April 22.

The day will begin with check-in from 7:45-8 a.m. in the Student Union's Community Suite. A complimentary continental breakfast, with program, will follow from 8-9 a.m.

A visit to the Women's Center is scheduled for 10:30 a.m., followed by a lunch.

Harris to cap Festival Series

Jazz pianist Gene Harris will perform Saturday (April 17) on the Kobacker Concert of the 1998-99 Festival Series.

The performance, the last in the series, will begin at 8 p.m. in Kobacker Hall, Moore Musical Arts Center. Considered one of the greatest jazz pianists in the world, Harris brings to the Festival Series a mix of sensual and religious songs.

Performing publicly since the age of 6, he rose to fame as a member of The Three Sounds, with whom he released more than 35 records during the 1950s and '60s. Harris' swinging, bluesy piano style helped make the ensemble one of the most popular and prolific jazz groups of that era.

His most recent release, "In His Hands," showcases Harris' talents as a performer of gospel music. He is joined on the album by singers he wished to share with his audience, including his daughter, Niki, and pop singer Curtis Stigers.

For his Bowling Green performance, Harris will be joined by drummer Paul Kreske, guitarist Frank Potenza and bassist Luther Hughes.

Tickets for the concert are $28, $22 and $14, and can be ordered by calling the Moore Musical Arts Center box office at 2-8171.

Sign-up sheets for each station will be at the continental breakfast. Parents must accompany their child or send them with another parent.

Reservations may be made with Mary Holley, human resources, at 2-2222. Information should include the number of participants, which meals will be attended and, for planning the lunch program, children's ages.

Moore wins national award

Paul Moore, biological sciences, is the recipient of a $5,000 national award for his research exploring the sense of smell among crustaceans.

Moore will receive the Takasago Award for Research in Olfaction on Wednesday (April 14) in Sarasota, Fla., during the annual meeting of the Association for Chemoreception Sciences.

The award is designed to reward and encourage scientists who are "emerging leaders in the field of olfactory science.

Moore has been a member of the Bowling Green faculty since 1994.
A faculty mentoring program will be available to student-athletes for the first time in fall.

The program is being launched by the Inter-collegiate Athletics Committee (IAC) and will initially focus on first-year student-athletes entering for fall term. Each faculty member will be paired with one student-athlete based on the faculty member's legal status of athletic program and the student-athlete's choice of college and specialization. Faculty may volunteer to mentor more than one student-athlete if they desire. Ideally, the program is designed for student-athletes to be mentored by a faculty member in the same college and specialization, whenever possible.

"The mentoring program is designed not to be labor intensive," said Robert Helm, student services; Deborah Browne, facilities services; and Sylvia Dill, College of Arts and Sciences; "to provide the student athletes with a dedicated friend and to help them achieve their academic goals.

During the 1999-2000 year, the teams of faculty volunteers and student-athletes must meet at least once per semester after a practice or game, match or meet, and in the faculty member's office.

"Of course," said Helm, "the teams' care fee to meet more often and to develop a more substantial relationship. A mid-season evaluation form will be sent by the Academic Affairs Office of the Athletics Department to each mentor and mentee. A training session and a handbook will be provided on what the faculty volunteers can and cannot do based on the NCAA Rulebook, i.e., purchasing a new car for the student-athlete or writing a term paper for him or her are not permitted, but meeting him or her on campus is fine.

The program will be launched by Thomas Rutter, facilities services; Terri Brooks, information technology services; and Judith Ackerman, human resources; "to provide the student-athletes with resources they will need to be successful."
Financial planning seminar set

The BGU Greater Toledo Alumni Chapter will host a financial planning seminar from 6-8 p.m. Wednesday (April 14) at the Clarion Westgate, 3356 Secor Road, Toledo. The seminar is open to anyone and costs $5, with all proceeds benefiting the chapter scholarship. Financial Design Group representatives will be available afterward to meet with participants individually.

Walk-ins are welcome, but reservations are requested by emailing ppmonts2@ Toledo.edu. For more information, call Paul Pawlacky at 2-2701.

Monday, April 12

Jazz Week '99 opens with Jazz Lab Band II, 8 p.m., Kobacker Hall, Moore Musical Arts Center. Free.

Dissertation defense, 1 p.m., 459 Mathematical Sciences Building, by Phyllis J. Curtiss on "Characterizations of Several Multivariate Discrete Distributions and Applications to Goodness-of-Fit Tests."

Baseball hosts Xavier, 2 p.m., Steller Field.

Men's and Women's Track and Field hosts Toledo and Detroit, 3 p.m., Whitacker Track.

Tibetan monk speaking tour, 5:30-7:30 p.m., 111 Olscamp Hall. The Venerable Palden Gyatso will retrace the atrocities he suffered at the hands of Chinese officials. Sponsored by Amnesty International. For more information, email rzender@bgnet.bgsu.edu.


Jazz Week '99 Student Jazz Combos, 8 p.m., Bryan Recital Hall, Moore Musical Arts Center. Free.

Wednesday, April 14

CITLT Workshop, 11:30 a.m.-1 p.m., Alumni Room, Student Union. Assessment: Exploring Its Meaning and Use for Faculty, Students, and Administrators. Lunch will be provided. To RSVP, call 2-6898 or email gldwig@bgnet.bgsu.edu.

Brown Bag Luncheon, noon-1 p.m., Women's Center, 107 Hanna Hall. Teresa Bettos-Cobau of Bowling Green Women's Care Center will discuss "PM's: Myths and Realities."

CITLT Workshop, noon-1:30 p.m., 128 Hayes Hall. Creating Quizzes Online to Assess Student Learning Outcomes (Windows 95). To register, call 2-6898 or email gldwig@bgnet.bgsu.edu.


Faculty Artist Series, 8 p.m., Bryan Recital Hall, Moore Musical Arts Center. Presenting a Jazz Week '99 concert will be Todd Davidson, trumpet; Steve Flanagan, trombone; Chris Buzzelli, guitar; Russell Schnittke, piano; Jeff Halley, double bass, and Roger Schupp, drums. Free.

Concert by Shringara Nepal, a Nepalese ensemble, 8 p.m., Ice Arena Lounge. Rescheduled from April 11. Free.

Thursday, April 15

Dissertation defense, 8 a.m., 213A East Hall, by Tamara Powell on "Killing Scarlett O'Hara."

Presidential Lecture Series, 7 p.m., Lenhart Grand Ballroom, Student Union. Author and educator Will Kim will discuss "The Education of Character: The Truth About College."

Women 4 Womyn, 7 p.m., Women's Center, 107 Hanna Hall.

Friday, April 16

The Challenges for Global Managers in the Next Millennium, 9 a.m.-4:30 p.m., Campus Room, Student Union.

Klaus Bodel, manager of executive training and leadership development for BMW in Munich, Germany, will be the featured speaker. Pre-registration is required by 5 p.m. Thursday (April 15) by calling the Office of Graduate Studies in Business, 2-2488. Number of participants limited to 50. Free.

CITLT Workshop, 10:30 a.m.-noon, 126 Hayes Hall. Introduction to CD-ROM Technology. Using an Old Technology for New Ideas in Teaching and Learning. To register, call 2-6898 or email gldwig@bgnet.bgsu.edu.

Softball hosts Marshall, doubleheader, 2 p.m., Softball Field.

Men's Tennis hosts Eastern Michigan, 2:30 p.m., Keefe Courts. Economic Colloquium Series, 3:30 p.m., 4000 Business Administration Building. Bettie Gidlow, history, will present "Railroad Politics: Gender, Citizenship and Consumer Culture in the Early 20th Century United States."

Jazz Week '99: Vocal Jazz Ensemble, 8 p.m., Bryan Recital Hall, Moore Musical Arts Center. Free.

Campus Film, "Mulan," for Sibs and Kids Weekend, 8 p.m. and 11 p.m., 111 Olscamp Hall. Admission $1 for everyone.

Saturday, April 17

Jazz Week '99: High School Jazz Festival, 10 a.m.-noon, Bryan Recital Hall, Moore Musical Arts Center. Free.

Women's Tennis hosts Ball State, 10 a.m., Keefe Courts. Baseball hosts Kent, doubleheader, 1 p.m., Steller Field. Softball hosts Ohio, doubleheader, 1 p.m., Softball Field.

MFA and BFA Thesis Exhibition II opening reception, 7-9 p.m., Dorothy Uber Bryan and Willard Wankelman galleries, Fine Arts Center. The show continues through April 22, with another round to be on display April 24-27. Hours are 10 a.m.-4 p.m. Tuesday-Saturday and 2-5 p.m. Sundays. Free.

Campus Film, "Mulan," for Sibs and Kids Weekend, 8 p.m. and 11 p.m., 111 Olscamp Hall. Admission $1 for everyone.

Festival Series: Jazz pianist Gene Harris, 8 p.m., Kobacker Hall, Moore Musical Arts Center. Tickets are $28, $52 and $14; to order, call the box office, 2-8171.

Sunday, April 18

Baseball hosts Kent, doubleheader, 1 p.m., Steller Field. BGU Planetarium, "Don't Duck-Look Up," a show for children ages 6 and under, 2 p.m.

Women's Chorus, 7:30 p.m., Student Activity Center, Terra Community College, Fremont. Free.

Symphonic Band, 8 p.m., Kobacker Hall, Moore Musical Arts Center. Free.

Monday, April 19

Canadian author series, Robert Kroetsch, 7:30 p.m., 101A Olscamp Hall. For reservations, call 2-2457. Free.

Continuing Events

April 12-16

American Red Cross blood drive, 11 a.m.-5 p.m. daily, Olscamp Hall. Walk-ins are welcome, but appointments are preferred. Call 1-800-GIVE-LIFE, ext. 143, to make an appointment.

April 16-17 (7:30 p.m.) and April 18 (2 p.m.)

Treehouse Troupe presents "Happy Birthday (You Poor Old Wreck)," written by E. Scott Regan, theater, and "Irish Annie," adapted by Regan from the book by Helen Esley. The productions will be in Joe E. Brown Theatre. Admission is $9; call the box office (2-2719) to reserve tickets.

Thursday, April 23

BGU Planetarium, "Is This The End of the World?" Tuesdays and Fridays, 8 p.m.; Saturdays, 7:30 p.m. 51 donation suggested.