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BGSU geologist part of international effort to get to core of Arctic climate

BGSU geologist Dr. Jeffrey Snyder is among an international group of scientists hoping to unearth the most detailed record of past Arctic climate to date.

Led by Dr. Julie Brigham-Grette of the University of Massachusetts-Amherst, the team has received \$3.2 million from the National Science Foundation (NSF) for an expedition to seek data from a polar lake in northeastern Siberia.

Snyder will receive about \$121,000 of the funding for his part in the research, which focuses on Lake El'gygytyn. Roughly nine miles in diameter, the lake was formed when a meteorite hit Siberia about 3.6 million years ago. Unlike much of the Arctic, it was never covered by glaciers or ice sheets and thus has received a steady accumulation of sediment since the time of impact. Brigham-Grette and her team will collect deep cores of the sediment—cylindrical columns of dense muck that should provide a detailed narrative of the past climate of the Arctic.

Sediment cores that the scientists took in 2003 have already provided the oldest continuous terrestrial record of the Arctic—one 16.7-meter core dated to 300,000 years ago. Now the researchers want to go even deeper—to the bedrock below the lake to extract cores dating back to the impact that created it.

Once the cores are extracted, the assemblage of pollen grains, algae and bacteria within the sediment will tell the scientists what was living in and around the lake throughout its history. Snyder, at BGSU, will be one of the team members who will analyze samples from the cores.

He will be looking specifically at diatoms—single-celled, silica-covered algae that have accumulated in the sediment. The work is not new to Snyder, a longtime acquaintance of Brigham-Grette's. He has also examined diatoms from many smaller, glacier-formed lakes in the western Russian Arctic. But Lake El'gygytyn, or "Lake E," is "a very different system because of its origin, size and age," he says.

The researchers will also read the cores for changes in geochemistry, the magnetic orientation of the muck's minerals and other parameters that capture what has happened to the Arctic's climate since the time of impact. These data will be compared with cores taken by other teams from the north Atlantic and Pacific oceans, as well as tropical oceans, allowing scientists to address climate change questions on a broad scale.

The NSF funding is the U.S. portion of a nearly \$8 million investment also involving the governments of Germany, Russia and Canada, and the International Continental Drilling Program. That program is a collaboration of more than a dozen countries that supports scientific drilling projects investigating the geological and geophysical processes of the Earth's crust. The NSF funds come from its Earth Sciences Division and Office of Polar Programs.

The research will occur during the fourth International Polar Year (2007-08), which aims to provide a better understanding of the world's polar regions through international coordination and cooperation by scientists and governments.

Through 2007, Brigham-Grette will be getting permits, buying materials and arranging for the on-site team's equipment to travel to Lake E at year-end by sled convoys and cargo planes. The permafrost will only be able to support the weight of the equipment during the frozen months.

Getting the scientists to the lake will be no small task, either. It's nine time zones east of Moscow, and no roads lead to it. Pevek, a town on the coast of the East Siberian Sea, has

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the closest airport, and from there the researchers will travel the final 155 miles inland to the lake by rented helicopters.

Next January, the team will pitch a small camp at the lake, roughly 35 beds that they will call home the next four months. Snyder says he expects to collect samples from the cores in summer 2008.

The campers' stay may include encounters with 50 to 60 mile-per-hour winds, frigid temperatures and wild neighbors including caribou and wolves, says Brigham-Grette.

But gaining understanding of the natural climatic variations of the Arctic—such as which aspects are cyclic and which are stable—will illuminate how the region evolved from a warm ecosystem blanketed in forest to a cold one covered in permafrost. And ultimately it could give scientists a glimpse at the Arctic of tomorrow, she adds.

“Examining climate change is like reconstructing a puzzle—a 500-piece puzzle, and we have maybe 80 to 90 pieces,” says Brigham-Grette. “This work will fill in a lot of gaps in reconstructing why the Arctic is the way it is today and what it may be like in the future.”

PCA celebrates 10-year milestone, looks to future

In 1996, President Sidney Ribeau read an article about Dr. Kathy Farber, educational foundations and inquiry, who had created a campus-community partnership to help her Educational Psychology students connect the theory and content of their coursework with the quality-of-life issues brought to light by that partnership.

The success of the partnership was echoed by students, their parents and community members—and it led to the president's request that Farber create Partnerships for Community Action. PCA was charged with redefining relationships between the University and the broader community by creating and supporting campus-community partnerships based on reciprocity, equal participation and mutual benefit. The office is now celebrating its 10th anniversary.

Since 1997, when PCA started its Partnership Support Grant program, 305 co-directors have coordinated more than 500 University departments and community organizations in 119 mutually beneficial projects. In 2003, PCA combined grant resources with the Center for Innovative and Transformative Education (CITE) to meet the mission of both offices and to provide enhanced funding opportunities for campus-community partnerships.

In the past 10 years, the Partnership Support Grant program alone has been responsible for leveraging upward of \$1 million in external and in-kind funds for its projects. In addition, other PCA/CITE partnership activity has led to more than \$17 million in grants and contracts for BGSU.

Celebrating achievement

To recognize these accomplishments, campus and community members are invited to attend “Authentic Commitment,” a celebration of 10 years of partnership activity, to be held from 11:30 a.m. to 1:30 p.m. Friday (Feb. 16) in the Lenhart Grand Ballroom of the Bowen-Thompson Student Union. The event, sponsored by PCA and CITE, is in honor of all those who have created and supported reciprocal campus-community partnerships.

Special recognition will be given to Ribeau and Dr. John Folkins, former provost and now CEO of the new BGSU Research Institute, for their continued support.

The celebration will also include a presentation of the accomplishments of the 12 partnerships funded in 2006 and the announcement of the 12 new Partnership Support Grant awardees for 2007 (See related story).

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This year, BGSU partners represent the following departments and programs: Arts Village, Chapman Community, communication disorders, family and consumer sciences, BGSU Firelands' early childhood education program, gerontology, the Ice Arena, the Math and Stats Tutoring Center, psychology, romance languages, social work, Transcendence and the Women's Center.

Community partners represent the following organizations: Behavioral Connections of Wood County Inc., Bowling Green Christian Academy, DeVeaux Junior High School in Toledo, Eastwood High School, Fremont Middle School, Fremont Ross High School, Lincoln Elementary School in Findlay, Norwalk Catholic School's Early Childhood Center, Shay's for Life Foundation, Sofia Quintero Art and Cultural Center, TransGender Toledo, Wood County Health Department, and the Wood County Senior Center

New opportunities

Friday's event will also unveil two additional opportunities for support of campus-community engagement. The Dissemination Grant Program makes available up to \$5,000 for innovative projects designed to create and return knowledge to all members of the community in respectful and accessible ways, and the Participatory/Action Research Workshop planned for early summer will explore collaborative research that enhances our lives and creates a more equitable and humane society.

For more information about the celebration or the work carried on at PCA, call 2-9624 or

PCA/CITE announce 2007 Partnership Support Grant recipients

Twelve campus-community partnership projects will receive grants this year totaling \$45,000 from Partnerships for Community Action (PCA) and the Center for Innovative and Transformative Education (CITE).

PCA provides funding for projects that address community needs and are built on partnerships between BGSU and the community. CITE is dedicated to fostering collaborative efforts in urban and regional Pre-K-12 education and in interdisciplinary university programming at undergraduate and graduate levels. PCA/CITE programs are based on reciprocity, mutual benefit and equal participation.

The recipients will be introduced during the eighth annual PCA/CITE Grant Launch at 11:30 a.m. Friday (Feb. 16) in the Lenhart Grand Ballroom of the Bowen-Thompson Student Union. This year's theme is "Authentic Commitment: Celebrating 10 Years of Partnership Activity."

Following are the projects funded for 2007 and their partners:

- "Cultural Exchange through Arts Education Program" will allow BGSU students to introduce basic art fundamentals and Latino culture to disadvantaged, artistic youths in the Toledo area. Leading the project are Joe Balderas from the Sofia Quintero Art and Cultural Center and Gordon Ricketts and Jessica Takla from BGSU's Arts Village.
- "Early Literacy Partnership" is a project in which BGSU Firelands faculty and students will develop a literacy partnership with staff and parents of Norwalk Catholic Schools. The project is directed by Linda Hamaide and Lori Pierce, both of Firelands' associate degree program in early childhood education, and Cindy McLaughlin and Diane Hammersmith from Norwalk Catholic School's Early Childhood Center.
- "Eastwood High School Math Peer-Tutoring Initiative" is a partnership between Lisa Foos and Michelle Heckman, BGSU Math and Stats Tutoring Center; and Donna Schuessler and Chris Standing, Eastwood High School, to establish a math peer-tutoring program at Eastwood modeled after the University's program.

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- “Education to Reduce Risky Behaviors in Youth” is aimed at promoting informed decision making and reducing risky behavior among middle school students by defining and identifying risky behavior and its consequences. Partners include Peggy Adams, BGSU Social Work Program; Violetta Rhea, Fremont Middle School, and Shelley Fannin, Fremont Ross High School.
- “For HER (Honesty, Equality, Respect),” coordinated by Dr. Mary Krueger, director of the BGSU Women’s Center, and Cheryl Rucker, Shay’s for Life Foundation/Shay’s Hearts LLC, will focus on dating-violence awareness education as well as legal advocacy services and support groups for high school-age students in northwest Ohio public schools.
- “Foundations on Ice” is a partnership between Lona Leck and Laura Dunn from the BGSU Ice Arena and James E. Gault, principal of Toledo’s DeVeaux Junior High School, to build leadership and self-esteem in junior high students through the instruction of ice skating skills.
- “Healthy Lifestyles Project” is designed to promote health goals for individuals with serious mental illness who are members at the Connection Center in Bowling Green by utilizing education sessions, potluck dinners, a walking program and a “library” of health resources. The partners include Ann Sezesny, Behavioral Connections of Wood County Inc., and Dr. Catherine Stein and graduate assistants Kathleen Young and Kristen Abraham from BGSU’s psychology department.
- “La Petite Ecole” is a collaboration in which residents of the French House will teach French to groups of elementary and junior high students in a pilot after-school program. Leaders of the project are Drs. Opportune Zongo and Corinne Mann-Morlet, romance languages; Wendie Cuckler, principal, and Anne Wade, teacher, at Bowling Green Christian Academy.
- “Sexuality, Medication and HIV/AIDS and the Older Adult” is a partnership between Drs. Nancy Orel and Charles Stelle of the BGSU Gerontology Program; Dr. Wendy Watson, family and consumer sciences, and Danielle Brogley, Wood County Senior Center, to develop an HIV/AIDS prevention/education program for people over 50, the fastest-growing age group of HIV-positive individuals.
- “Summer Program for Enhancing Language and Literacy” is a partnership to promote language and literacy skills in at-risk first-graders. Leading the project are Dr. Lauren Katz and Laura Schrock, communication disorders, and Dick Dillon, principal at Lincoln Elementary School, Findlay.
- “Transgender Education and Media Project,” led by Joelle Ruby Ryan of BGSU’s Transcendence organization and Marlene A. Bomer, TransGender Toledo, is a partnership to further education about transgender issues in northwest Ohio by establishing a speakers bureau and producing an educational video on transgender people.
- “WCHD-BGSU Partnership to Address Community Concerns about Factory Farms” is a partnership between Dr. Bob Midden, director of the Chapman Community, and Brad Espen, Wood County Health Department, to utilize BGSU students, faculty and staff in monitoring the quality of surface water near new factory farms in our area.

IN BRIEF**Festive MACIE dinner, auction to support student internship**

Faculty, staff, students and guests are invited to enjoy international music and dancing, food and drink at a dinner and silent auction Saturday (Feb. 17). Hosted by the Master of Arts in Cross-Cultural and International Education (MACIE) Program, proceeds from the event will benefit the MACIE student internship scholarship fund.

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Tickets are \$35 and may be ordered by contacting Linda Hamman at 2-7350 or lindah@bgsu.edu.

Make checks payable to The BGSU Foundation Inc. and include on the check memo: MACIE Internship Fund, 30-001588.

'Ancestral traditions in a contemporary world' explored in lecture

The unique funerary practices of Madagascar and their complex relationship to art and belief have long been the research topic of Dr. Rebecca Green, a non-Western art historian in the School of Art. She will discuss findings from her most recent explorations in "Ancestral Traditions in a Contemporary World: Art and the Creation and Performance of Identity in Highland Madagascar," a 1 p.m. lecture Feb. 20 in 308 Bowen-Thompson Student Union.

Green will examine what happens when spiritual objects are relocated into new practices, and when objects used in powerful ceremonies change, as well as the challenge of retaining one's ethnic identity as outside influences increasingly become part of everyday life.

The lecture is part of Green's fellowship this year at the Institute for the Study of Culture and Society (ICS).

She is the author of *Once Is Never Enough: Textiles, Ancestors and Reburials in Highland Madagascar* (1998), *Ancient Empire of Ghana and The Merina*. She is working on a study of the role and relationships between traditional and contemporary art in highland Madagascar for the creation and expression of identity.

The ICS Fellows program is supported by the offices of the Vice Provost for Research and the dean of the College of Arts and Sciences.

CALENDAR

Monday, Feb. 12

BGSU Firelands Man's Inhumanity to Man Movie Series, "The Laramie Project," 11:30 a.m., Firelands Room, 115 West Building.

Tuesday, Feb. 13

Provost Lecture Series, "Queer Regions: From 'Fire' to 'The Journey,'" by Dr. Gayatri Gopinath, women studies and gender studies, University of California, Davis, 6:30 p.m., 202B Bowen-Thompson Student Union.

BGSU Firelands Man's Inhumanity to Man Movie Series, "The Killing Fields," 7 p.m., Firelands Room, 115 West Building.

Film Director Series: Andrei Tarkovsky, "Ivanovo detstvo (My Name Is Ivan; Ivan's Childhood)" (1962), Russia/USSR, 7:30 p.m., Gish Film Theater, Hanna Hall.

Guest Recital, pianist Caroline Oltmanns, 8 p.m., Bryan Recital Hall, Moore Musical Arts Center.

Movie, "Stranger than Fiction," 9:30 p.m., Union Theater.

Wednesday, Feb. 14

Brown Bag Luncheon, "Identity Development for the Progressive African-American Female College Student," by Dr. Linda Whittington, psychologist and executive director of Avenues to Healing, noon-1 p.m., Women's Center, 107 Hanna Hall. In recognition of Black History Month.

BGSU Firelands Man's Inhumanity to Man Movie Series, "The Killing Fields," 12:30 p.m., Firelands Room, 115 West Building.

Women's Basketball vs. Akron, 7 p.m., Anderson Arena.

Pallister French Canadian Lecture and Film Series, "Les Passeurs (The Go-Betweens)" (2003), directed by Hejer Charf, who will introduce the film, French Canadian/Tunisian, 7:30 p.m., Gish Film Theater, Hanna Hall. Presented with support from the

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Gish Film Theater Endowment.

Faculty Artist Series, jazz pianist Russell Schmidt performs his own compositions, with Andrew Bishop, saxophone; Charles Saenz, trumpet; Jeff Halsey, bass; Roger Schupp, drums, and Nathan Douds and Olman Piedre, percussion, 8 p.m., Bryan Recital Hall, Moore Musical Arts Center.

Art History Association Film Series, "Do the Right Thing," 9-11:30 p.m., 204 Fine Arts Center. February's theme is Black History Month.

Thursday, Feb. 15

Black History Month Event, "Mapping the Study of Black Popular Culture," with Dr. Angela Nelson, chair of the popular culture department, 11 a.m.-noon, Pallister Conference Room, 150A Jerome Library.

BGSU Firelands Man's Inhumanity to Man Movie Series, "Cambodia: Killing Fields 1975-1979," with a special presentation by Dr. Benjamin N. Muego, political science, 7 p.m., Cedar Point Center Auditorium.

International Film Series, "Facing Windows" (2003), directed by Ferzan Ozpetek, Italy, 7:30 p.m., Gish Film Theater, Hanna Hall.

Distinguished Visiting Writer Nancy Lord reads from her fiction and nonfiction works about Alaska, 7:30 p.m., Prout Chapel.

Concert, Trumpet Ensemble, 8 p.m., Bryan Recital Hall, Moore Musical Arts Center.

Friday, Feb. 16

PCA/CITE Grant Launch, "Authentic Commitment: Celebrating 10 Years of Partnership Activities," announcement of the 2007 Partnership Support grantees, 11:30 a.m.-1:30 p.m., Lenhart Grand Ballroom, Union. For more information, call 2-9624 or email pca@bgsu.edu.

BGSU Firelands Man's Inhumanity to Man Movie Series, "The Laramie Project," 12:30 p.m., Firelands Room, 115 West Building.

Women's Research Network, "Seeing Is Believing: African-American Romance Novels," by Julita S. Edwards, American culture studies, 1:30-3:30 p.m., Women's Center, 107 Hanna Hall.

Movie, "Stranger than Fiction," 6:30 and 9:30 p.m., Union Theater.

Recital, bass clarinetist Kevin Schempf, 8 p.m., Bryan Recital Hall, Moore Musical Arts Center.

Saturday, Feb. 17

Young People's Concert, "Basses Loaded," featuring bassist Jeff Halsey and students in the BGSU bass studio, 11 a.m.,

Bryan Recital Hall, Moore Musical Arts Center. Admission is \$1 for children and \$2 for adults. Box office will open at 10:30 a.m. Recital, bass clarinetist Thomas Labadorf, Central Connecticut State University and Connecticut College, 1:30 p.m., Bryan Recital Hall, Moore Musical Arts Center.

MACIE International Dinner and Silent Auction, a benefit for the Master of Arts in Cross-Cultural and International Education student internship scholarship fund, 6-11 p.m., 101 Olscamp Hall. Tickets are \$35. To order, contact Linda Hamman at 2-7350 or lindah@bgsu.edu.

Recital, bass clarinetist Michael Lowenstern, Juilliard, 7 p.m., Bryan Recital Hall, Moore Musical Arts Center.

Sunday, Feb. 18

Feminism Film Festival: Movies and Discussion, "North Country," 6-9 p.m., 105 Hanna Hall.

Movie, "Stranger than Fiction," 9:30 p.m., Union Theater.

Monday, Feb. 19

Presidents' Day Open House, 8:30 a.m.-4 p.m., campuswide.

BGSU Firelands Man's Inhumanity to Man Movie Series, "Guns, Germs, and Steel: Geographic Luck," 11:30 a.m., Firelands Room, 115 West Building.

Continuing Events Through Feb. 14

Art Exhibition, Student Enameling Exhibition, Little Gallery, BGSU Firelands. Gallery hours are 9 a.m.-5 p.m. Monday-Wednesday.

Feb. 15-18

Theatre Production, "Shifting Skins: Tales of Transformation," a medley of dance and theatre inspired by traditional folk tales and Asian music. Performances are at 8 p.m. Feb. 15-17 and 2 p.m. Feb. 17 and 18. Tickets are \$10 for adults and \$5 for children under 12. To order, call the box office at 2-2719. A co-production of the University Performing Dancers and the Department of Theatre and Film.

Through Feb. 21

Exhibition, BGSU's third annual Architecture Studio Exhibition, Union Art Gallery. Hours are 8 a.m. to 9 p.m. Monday-Saturday and 10 a.m. to 9 p.m. Sundays.

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Through Feb. 28

Art Exhibition, annual Undergraduate Art and Design Exhibition, Dorothy Uber Bryan and Willard Wankelman galleries, Fine Arts Center. Gallery hours are 10 a.m.-4 p.m. Tuesday-Saturday and 1-4 p.m. Sundays.

Through March 2

Planetarium Show, "Nine Planets and Counting," 8 p.m. Tuesdays and Fridays and 7:30 p.m. Sundays, BGSU Planetarium, 112 Physical Sciences Lab Building. \$1 donation suggested. Stargazing follows planetarium show on Fridays and Sundays if weather permits.

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Department of Theatre and Film. Instructor. Call Ron Shields, 2-2222. Deadline: March 10.

Labor Postings

<http://international.bgsu.edu/index.php?x=facinfohires>

Contact the Office of Human Resources at 419-372-8421 for information regarding classified and administrative positions. Position vacancy announcements may be viewed by visiting the HR Web site at www.bgsu.edu/offices/ohr/.

Employees wishing to apply for these positions must sign a "Request for Transfer" form and attach an updated resume or data sheet. This information must be turned in to Human Resources by the job deadline.

CLASSIFIED

On-campus classified:

www.bgsu.edu/offices/ohr/employment/BGSU_only/page11151.html

Off-campus classified:

www.bgsu.edu/offices/ohr/employment/cl_staff/page11145.html

ADMINISTRATIVE

www.bgsu.edu/offices/ohr/employment/adm_staff/page11137.html

OBITUARY

Elden Smith, 96, died Feb. 5 in Seminole, Fla. He began his career in education at BGSU in the speech and theatre department and was the dean of students from 1955-61. He was president of Ohio Wesleyan University from 1962-69.