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UNIVERSITY LETTER

UND'S FACULTY/STAFF NEWSLETTER

[Main Navigation](#)

SEARCH UND

SEARCH

[A to Z Index](#) : [Map](#)

ABOUT U LETTER

University Letter is published electronically weekly on Tuesday afternoons. Submissions are due at 10 a.m. Tuesday.

U LETTER

[U Letter Home](#)

[Submit a Story](#)

[Print this Issue](#)

ISSUE: Volume 46, Number 40: May 27, 2009

Contents

Events to Note

- [Art & Democracy Film Series to show "My Big Fat Greek Wedding"](#)
- [Lecture capture solutions to be held at UND](#)
- [Moviemaking camp for adults ends June 12](#)
- [Getting Started program continues through July 10](#)
- [Center of Excellence for General Aviation Research \(CGAR\) annual meeting is June 10-11](#)
- [Playhouse Disney Live! to perform at the Ralph Engelstad Arena on November 15](#)

Announcements

- [Meritorious Service, UND Proud Award winners named](#)
- [There is still time to sign up for OIII@und](#)
- [University Within the University \(U2\) lists new classes](#)
- [2008 Campus Quality Survey is now available online](#)
- [Intro cScibot summer camps are full](#)
- [Smith Hall walking bridge is closed for removal and replacement work](#)
- [Note new ID air travel requirements](#)

Research

- [NSF program funding targets repair/renovation of existing research facilities](#)
- [NSF seeks preproposals for major research instrumentation](#)
- [Valley City is one of three cities selected for National Hospice Project](#)
- [Senate Scholarly Activities Committee announces May travel awards](#)
- [Sunrise selected to host National Science Foundation Research Experiences for Undergraduates program](#)

In the News

- [EERC demonstrates cutting-edge technology to produce clean energy from used railroad ties](#)

In Remembrance

- [Robert \(Bob\) Apostol remembered](#)

EVENTS TO NOTE

Art & Democracy Film Series to show "My Big Fat Greek Wedding"

The next installment of the Art & Democracy Film Series will show "My Big Fat Greek Wedding" Wednesday,

May 27, 7 p.m. at the Empire Arts Center. Each movie in the series is open to the public and free. Come join us for a discussion about assimilation, ethnic heritage, family expectations, comedy in America, and political correctness.

The "Art & Democracy Film Series" offers us all the opportunity to talk, as a community, about the American experience. What are our values? How do we deal with difference? And, of course, what's art got to do with it? Through fun and accessible movies, audiences will explore, debate, and question, the foundations of our democracy and society. Each film is shown at the Empire Arts Center and is free and open to the public. First the group watches the movie together, then the host, Jack Russell Weinstein, Director of the Institute for Philosophy in Public Life and Associate Professor of Philosophy at UND, and host of the Prairie Public radio show "Why? Philosophical Discussions About Everyday Life", interviews a guest about the topic of the film. Then the audience gets the opportunity to talk with Weinstein and his guest, as well as to each other. The conversation is light-hearted and fun, but sophisticated and interesting as well. All perspectives are welcome; the series is non-partisan.

The series also provides the opportunity to see how film-makers portray our lives. Is it accurate? Does it exaggerate? Can it help us learn about ourselves or does it interfere with our self-understanding. Previous guests have included Clay Jenkinson, who led a discussion on what it means to be a North Dakotan, Crystal Alberts, who discussed the role of protest and sub-cultures in political life, and Paul Gaffney, who discussed the place of sports in our society with special attention to women athletes and the role of equality in competition.

Upcoming movies include (guests will be announced at a later date):

June 24: Mr. Smith Goes to Washington

July 29: The Blues Brothers

August 26: Casablanca

September 30: American Beauty

October 28: Let The Right One In

November 25: Dr. Strangelove

More information about the institute and the film series can be found at: www.philosophyinpubliclife.org

Questions can be sent to ippl@und.edu

The Art & Democracy films series is sponsored by the Institute for Philosophy in Public Life and the North Valley Arts Council. The Institute is a partnership between The North Dakota Humanities Council and the UND College of Arts & Sciences.

-- Jack Russell Weinstein, Associate Professor, Department of Philosophy and Religion, 777 – 2887, jack.weinstein@und.nodak.edu

[BACK TO TOP](#)

Lecture capture solutions to be held at UND

Please join us in evaluating possible lecture capture solutions for the campus. The following demonstrations have been scheduled and will be held in Gamble Hall room 7.

May 28 - 9 a.m. Echo 360/1 p.m. Mediasite

May 29 - 9 a.m. - Tegrity

June 11 - 9 a.m. - Podcast Producer

Demonstrations from Accordent and Panopto will also be scheduled. Details for those demonstrations will be

sent out when finalized.

The demonstrations are open to all faculty and staff who are interested. Please attend to help us develop a lecture capture recommendation for the campus. For more information, please contact Dave Bell or Dara Faul

-- Dave Bell, 777-3568, davebell@mail.und.edu

-- Dara Faul, 777-6795, darafaul@mail.und.edu

[BACK TO TOP](#)

Moviemaking camp for adults ends June 12

Have you ever wanted to make a movie? Or maybe you just want to jazz up your home videos? Then again, video presentations are becoming a big part of business, web design, and education. Do you have the skills and knowledge it takes to produce your own?

This 2-week evening camp will not only teach you the nuts and bolts of screenwriting, but you will also learn to direct, shoot, edit, properly light and optimize sound elements in your digital movies.

Week one, taught by Kathy Coudle-King, will focus on proper script format, story structure, and dialogue.

June 1-5, 6 to 8 p.m., \$80

Week two, taught by Christopher Jacobs, will focus on producing the indie digital movie from start to finish.

June 8-12, 6 to 9 p.m., \$125 - Register for both for \$185

Then walk down the red carpet at the end of July when we screen your movie shorts on the big screen.

Go to <http://www.english.und.edu> and click on Summer Camps to register. Space limited.

-- Kathy Coudle-King, Sr. Lecturer, English & Women Studies, kathleen_king@und.nodak.edu, 777-2787

[BACK TO TOP](#)

Getting Started program continues through July 10

Freshman Getting Started 2009, an advisement and registration program for new freshmen, will continue through July 10. All students must have a reservation to attend and all session reservations are scheduled on a first-come first-served basis. All reservations should be made on-line at

<http://gettingstarted.und.edu/freshman>.

Freshman Getting Started 2009 is a two-day program to which new first year students, admitted for the Fall 2009 semester, are invited to come to campus for advisement and registration. Program activities begin on the first day at 8:30 a.m. and include a welcome to the university, housing, financial aid, student account services, student affairs, and general information presentations, along with mathematics placement testing for students. Day two begins at 8 a.m. and consists of language placement testing, individual academic advisement and registration, obtaining their student ID and ordering textbooks. There is a separate program for the families of students that runs simultaneously in which they receive information that assists in the adjustments involved in sending a student to college. The program usually concludes around noon on day two.

More information on the program can be found online at <http://gettingstarted.und.edu>.

If you have any questions regarding the program please call the Student Success Center at 777-2117.

-- Angie Carpenter, Assistant Director of Programs, Student Success Center,

angiecarpenter@mail.und.nodak.edu, 777-3910

[BACK TO TOP](#)

Center of Excellence for General Aviation Research (CGAR) annual meeting is June 10-11

The 2009 annual meeting of the Center of Excellence for General Aviation Research (CGAR) will be hosted by UND Aerospace from June 10-11 in the Clifford Hall auditorium. CGAR is a consortium of leading universities in the field of general aviation, of which UND Aerospace is a founding member. The consortium addresses the critical needs of general aviation through focus applied research, education, and technology transfer, in partnership with the Federal Aviation Administration (FAA) and industry. There will be a series of presentations by researchers from around the country during the two days of the meeting. Presentations will touch upon subjects like Unmanned Aircraft Systems, Aircraft Safety, and Aviation fuels. There will also be a demonstration of new technology such as Unmanned Aircraft Systems.

To register for the meeting, go to http://www.cgar.org/current_activities.asp. For further details on the program please contact Debbie Landeis at landeis@aero.und.edu or 777-2935.

-- Debbie Landeis, Admin. Secretary, UND Aerospace, landeis@aero.und.edu, 777-2935

[BACK TO TOP](#)

Playhouse Disney Live! to perform at the Ralph Engelstad Arena on November 15

Playhouse Disney Live!, the live touring stage production featuring favorite characters from four shows in Disney Channel's popular Playhouse Disney program block for preschoolers, is coming to Grand Forks this November. Tickets for performances at Ralph Engelstad Arena go on sale Tuesday, May 19, at 10 a.m.

Playhouse Disney Live! brings characters from Mickey Mouse Clubhouse, Little Einsteins, Handy Manny and My Friends Tigger & Pooh together on the same stage, creating interactive moments for children and their families. The original storyline follows this colorful cast as they set off in their own unique ways to create and contribute songs and music for an unforgettable musical party at Mickey's Clubhouse.

As a special bonus, at each performance, one lucky family will be chosen to win a ZippityT Full-Body Learning System from LeapFrog.

Ticket information for the Ralph Engelstad Arena Performance:

Date: Sunday, November 15

Show Time: 1 p.m.

Ticket Prices: \$14.50 / 19.50 / \$27.50 / \$41.50

Ticket Outlet/Phone/Internet Info: Ralph Engelstad Arena Box Office, on-line at www.ticketmaster.com, or by calling 1-800-745-3000

-- Chris Semrau, Director of Events / Media Relations, Ralph Engelstad Arena, 777-4379

[BACK TO TOP](#)

ANNOUNCEMENTS

Meritorious Service, UND Proud Award winners named

Ten staff members were given Meritorious Service Awards and one staff member received the Ken and Toby Baker UND Proud Award at the annual recognition ceremony for staff personnel May 19. The Meritorious Service Award recognizes staff for excellence and dedication. They received certificates and checks. Awardees were:

- * Chad Bushy, system administrator and IT specialist, Center for Instructional & Learning Technologies
- * Becky Cournia, alumni and development coordinator, College of Nursing
- * Tim Gilleland, plumber, facilities management
- * Janice Hoffarth, administrative assistant, department of music
- * LuAnn Johnson, statistician, Human Nutrition Research Center
- * Sharon Johnson, administrative secretary, education foundations and research

- * Tammy Kaiser, Twamley Snack Bar supervisor, dining services
- * Bonnie Kee, administrative assistant, anatomy and cell biology
- * Diane Kenmir, building services technician, facilities management
- * Debbie Merrill, assistant to the associate director of facilities management/recycling coordinator, facilities management

The Ken and Toby Baker UND Proud Award is presented to a staff employee who, through service and dedication to the University, to fellow workers, and to the community, exemplifies the qualities of commitment, loyalty, and pride in the University. The award includes \$1,000, a plaque, and a traveling plaque for the department. The award was given to Pat Hanson, director of Payroll.

[BACK TO TOP](#)

There is still time to sign up for Olli@und

The summer semester for Olli@UND starts June 1. Space is available in Visual Communication, IMPACT (Women can learn the tools needed to protect yourself against an assailant), The Holocaust and other Crimes Against Humanity, Gardening, The Bible as Literature, T'ai Chi Chih, John Adams, Ballroom Dancing (don't worry of you don't have a partner - male or female - we need you), Machining and Pottery. Olli@UND offers non-credit courses for individuals 50 years and better. But we don't discriminate against age. If you're under 50 and still want to learn and share experiences with other people, then Olli@UND is for you. It's a fabulous value for 12 contact hours. Check out our website at <http://www.oli.und.edu>. Please call if you have any questions regarding a specific course.

-- *Connie Hodgson, Coordinator, OLLI/DCE, conniehodgson@mail.und.edu, 777-4840*

[BACK TO TOP](#)

University Within the University (U2) lists new classes

Safe Online Practices — Protecting Your Identity & Securing Your Computer

June 04, 9 to 11 a.m., Upson II, Room 361

The Internet can provide a wealth of information and give access to valuable financial, business, educational, and entertainment services. However, when connected to the Internet, you and your computer become vulnerable to scammers, identity thieves, viruses, spyware and more. This workshop will provide the information needed to help you protect your identity and computer while online. Presenter: Brad Miller

Defensive Driving

June 04, 12:30 to 4:30 p.m., Skalicky Tech Incubator, Room 211

This workshop is required by State Fleet for all UND employees who drive State Fleet vehicles on a regular (monthly) basis, received a traffic violation, or had an accident while operating a State Fleet vehicle. Employees are encouraged to bring a family member (spouse and/or dependents). This workshop may also reduce your North Dakota insurance premiums and could possibly remove points from your driving record. Presenter: Tim Lee

-- *Patricia Young, U2 Coordinator, Continuing Education, patriciayoung@mail.und.edu, 777-0720*

[BACK TO TOP](#)

2008 Campus Quality Survey is now available online

UND employees may recall being invited to complete the Performance Horizons Campus Quality Survey this past fall. The results are in, and a report is available online. Visit <http://www.und.edu/dept/datacol> to view the results. Five hundred employees participated in the survey, for a 21 percent response rate. Results include 76 percent of employees reporting they are satisfied overall with their employment at UND and 77 percent of employees report they have an above average overall impression of quality at UND.

For questions about this survey, please contact Sue Erickson at 777-2265.

-- Carmen Williams, Director, Institutional Research, carmenwilliams@mail.und.nodak.edu, 777-4358

[BACK TO TOP](#)

Intro cScibot summer camps are full

Both Intro camps for the cScibot Lego Robotic Camps are full. They will be held July 27-31 and August 3-7, Monday through Friday, from 1 to 3 p.m. There are still a number of open spaces in the advanced camps which run the same dates as above from 8 a.m. to 12 p.m. The registration form is available on the website at cs.und.edu/cScibot. Please print the release form and include with your registration form. Please call our office at 777-4107 if you have any questions or need more information.

-- Annette Glennon, Administrative Assistant, Computer Science, aglennon@cs.und.edu, 777-4107

[BACK TO TOP](#)

Smith Hall walking bridge is closed for removal and replacement work

The Smith Hall walk bridge over the English Coulee is currently not accessible. Contractors are removing the bridge and preparing the footing to receive a new walk bridge. The new bridge will be much wider and have a concrete deck. This will allow for better snow removal. However, it will take the contractors approximately three weeks to complete the work.

We apologize for any inconvenience. Please use the Fox Memorial Bridge during this time.

-- Larry Zitzow, Director, Facilities Management

[BACK TO TOP](#)

Note new ID air travel requirements

Please note new ID requirements for travel. Airline passenger travel documents must be an exact match to passenger identification documents.

Important Information - Effective May 15

In March, the TSA announced implementation of the Secure Flight Program, which shifts pre-departure watch list matching responsibilities from individual aircraft operators to the TSA and carries out a key recommendation of the 9/11 Commission.

Under Secure Flight, airlines (and travel agents) will gather a passenger's full name, date of birth, and gender when making an airline reservation. The idea behind Secure Flight is to eliminate the possibility of a passenger being mistakenly delayed due to a similar name of someone on the TSA's watch list. By providing the additional data elements of gender and date of birth, Secure Flight will be even more effective in helping prevent misidentification of passengers.

Beginning May 15, tickets must be issued in the passenger's full name as it appears on the government identification they will be using to fly. If the driver's license and passport have different names, the name on the ticket should match exactly to the identification they will use on the specific trip. This means middle name or initial, and anything else noted on the identification, including things such as "Jr."

In the near future, small differences between the passenger's ID and the passenger's reservation information, such as the use of a middle initial instead of a full middle name or no middle name/initial at all, will not be an issue for passengers. Over time, passengers should strive to obtain consistency between the name on their government issued ID and the travel information they use for booking flights. The goal is to eventually, by early 2010, require an exact match. Also note, as of August 15, passengers will need to include their date of birth and gender when booking reservations.

-- Carl Iseminger, Accounting Services Assistant, Accounting Services, carliseminger@mail.und.nodak.edu,

NSF program funding targets repair/renovation of existing research facilities

The National Science Foundation (NSF) has posted a solicitation titled Academic Research Infrastructure Program: Recovery and Reinvestment (ARI-R2). This funding will target repair and renovation of existing research facilities. New construction is not allowed. Please refer to NSF 09-562 for detailed information. Given that UND can only submit one proposal, a letter of intent is due July 1 to NSF, and a final proposal is due by August 24 to NSF. We are asking for a fast response from those interested as outlined below. Cost sharing is not required.

In order to best evaluate the projects, we are asking that interested parties prepare two responses for our office. The first is a quick email as soon as possible indicating intent to prepare the second response. The second response is a Letter of Intent that mirrors the required letter outlined in the solicitation (Section V. A). This letter should be prepared using the instructions in the solicitation on the NSF Fastlane website as if it was actually being submitted. This will facilitate immediate submission by the Research office to NSF when the selection process is completed. A printed copy of this letter should be to our office by noon Thursday, June 25 for review. We will select one project to go forward using review criteria outlined in the solicitation.

Please address questions to John La Duke, Associate Vice President of Research and Economic Development (7-3641 or 7-4278 or john_laduke@und.nodak.edu)

-- John C. La Duke, Ph.D., Associate Vice President for Research and Economic Development, Research Development and Compliance, john_laduke@und.nodak.edu, 777-4278

NSF seeks preproposals for major research instrumentation

The National Science Foundation (NSF) has issued a call for MRI proposals under the American Recovery and Reinvestment Act of 2009. Please refer to NSF 09-561 at NSF.gov for detailed information.

The MRI Program assists in the acquisition or development of major research instrumentation that is, in general, too costly for support through other NSF programs. Proposals may be for a single instrument, a large system of instruments, or multiple instruments that share a common or specific research focus. Computer systems, clusters of advanced workstations, networks, and other information infrastructure components necessary for research are encouraged. Awards for instrumentation generally range from \$100,000 to \$6 million.

An institution may submit up to three proposals to the MRI program. Up to two proposals may be for instrument acquisition. If an institution submits three proposals, at least one of the three proposals must be for instrument development.

As a result of the limited number of proposals that can be submitted, UND will conduct an internal review of preproposals. Preproposals should consist of the following sections:

- Cover page listing the project name, collaborators, contact person, total budget amount
- Instrument(s) to be purchased or developed and its(their) function(s)
- Impact on the research program of the collaborators, department(s), and college(s)
- Impact on the university's mission as a whole
- Detailed budget. (Correction: The following sentence included in the original announcement does not apply:

Please be aware that the University will be required to provide 30 percent in matching funds this year [see Section V, B of the solicitation for help calculating the needed match]).

Preproposals should be no more than 5 pages in length using a reasonable format (1 inch margins, font size 11, single-spaced). Preproposals are due in Research Development and Compliance (RD&C) by 4:30 p.m. on Monday, June 15. Criteria used for reviewing preproposals will include appropriateness to the goal of the program; probability for funding by NSF; reasonableness of budgetary requests; and impact of the request on the university and the academic units involved. Investigators will be notified of the review results as soon as possible in order to provide as much time as possible to prepare a final proposal for submission.

Contact RD&C (7-4278 or shirleygriffin@mail.und.nodak.edu) for the complete NSF MRI announcement, or download it at:

http://www.nsf.gov/pubs/2009/nsf09561/nsf09561.htm?govDel=USNSF_25.

-- John C. La Duke, Ph.D., Associate Vice President for Research and Economic Development, Research Development and Compliance, john_laduke@und.nodak.edu, 777-4278

[BACK TO TOP](#)

Valley City is one of three cities selected for National Hospice Project

More than a million patients a year who are dying or facing a terminal illness may endure pointless suffering and useless, but expensive, treatments because they lack access to hospice or palliative care services, according to the National Priorities Partnership. Compassionate, high quality end-of-life care can ensure patients are comfortable, ease their pain and help their families make difficult decisions about the course of treatment.

To assist rural communities in meeting the challenge of providing appropriate and compassionate care for patients with a life-limiting illness, Mercy Hospital of Valley City will take part in the National Rural Health Association's (NRHA) Rural Palliative Care Pilot Project. Angel Medical Center in Franklin, N.C., and North Sunflower Health Care in Rulesville, Miss., are also participating in the study.

The purpose of the six-month learning and planning project is to start or strengthen palliative care services in the participating communities. Each health care facility had to submit an application indicating commitment from all key health care providers in their communities: hospital, clinic, home health agency, nursing home, and hospice program.

"This is a great opportunity to bring Valley City together for a shared, common goal. The NRHA project will enable the city to build on the development of palliative care programs in their area. Mercy Hospital was hand-picked from other critical access hospitals (CAH) in the United States," said Jody Ward, ND CAH Quality Network coordinator with the Center for Rural Health at the University of North Dakota School of Medicine and Health Sciences.

NRHA's initiative focuses on rural health care, palliative care standards and processes, and facilitated action planning for participating communities.

"All of North Dakota will be able to learn from the knowledge gained through Valley City. We are doing great things in North Dakota, and this is a good opportunity for the state to be recognized on a national level," Ward said.

-- Denis F. MacLeod, Communications Specialist, Center for Rural Health, dmacleod@medicine.nodak.edu, 777-3300

[BACK TO TOP](#)

Senate Scholarly Activities Committee announces May travel awards

The Senate Scholarly Activities Committee received 40 travel grant applications, requesting a total of \$61,589.30 in response to the May call for proposals. The following awards were made at the committee meeting on May 12:

Alaska, Hawaii, and foreign travel awards

Bandyopadhyay, B. P. (Mechanical Engineering), \$1,600
Dixon, Kathleen G. (English), \$1,084
Gourneau, Bonni F./Holen, Jodi Bergland (Teaching and Learning), \$1,113.59
Heggie, Travis W. (Recreation and Leisure Services), \$2,458
Hu, Wen-Chen (Computer Science), \$715
Jerath, Sukhvarsh (Civil Engineering), \$1,764
Johnson, William P. (Law), \$1,230.70
Kim, Eunjin (Computer Science), \$1,234
Loyland, Mary J. (Accountancy), \$1,400
Milavetz, Barry I. (Biochemistry and Molecular Biology), \$864
Shafer, Richard E. (English), \$750
Weatherly, Jeffrey N. (Psychology), \$1,264
Xi, Baike (Atmospheric Sciences), \$1,722.87
Zhu, Weizhu (Research Affairs), \$1,500

Domestic or Canadian Travel

Burin, Eric A. (History), \$521
Campbell, Katherine (Accountancy), \$353.20
Cavalli, Matthew N. (Mechanical Engineering), \$371.70
Coudle-King, Kathleen M. (English), \$306.20
Du, Guodong (Chemistry), \$373.20
Fazel-Rezai, Reza (Electrical Engineering), \$333.20
Gerla, Philip J. (Geology and Geological Engineering), \$388.20
Huang, Luke H. (Technology), \$778
Ide, Bette A. (Family and Community Nursing), \$350.20
Jackson, Jon A. (Anatomy and Cell Biology), \$445.20
Kenville, Kimberly A. (Aviation), \$342.40
Koepke, Yvette M. (English), \$493.20
Kubatova, Alena (Chemistry), \$254
LeMire, Steven D. (Educational Foundations and Research), \$472.21
Lindseth, Paul D. (Aerospace Sciences), \$333.20
Mullendore, Gretchen L. (Atmospheric Sciences), \$295.20
Noghanian, Sima (Electrical Engineering), \$380.40
Offutt, Susan M. (Medical Education), \$677
O'Neil, Thomas E. (Computer Science), \$373.20
Prescott, Cynthia C. (History), \$340.40
Reese, Ty M. (History), \$333.20
Zahui, Marcellin (Mechanical Engineering), \$583.86
Zuo, Yanjun (Information Systems and Business Education), \$373.20

-- Patrick A. Carr, Ph.D., Chair, Senate Scholarly Activities Committee, Anatomy and Cell Biology,
pcarr@medicine.nodak.edu, 777-4278

[BACK TO TOP](#)

Sunrise selected to host National Science Foundation Research Experiences for Undergraduates program

UND science and engineering faculty of the Sustainable Energy Research Initiative and Supporting Education (SUNRISE) group have been selected to host a new National Science Foundation Research Experiences for Undergraduates program based on chemistry-focused undergraduate research that contributes to the advancement of sustainable energy technologies.

For the next three years, this \$216,000 grant, under the direction of PI Evgenii Kozliak, UND Professor of Chemistry and co-PI Wayne Seames UND Professor of Chemical Engineering, will provide primary funding for a 10-week summer program where undergraduates students from around the United States conduct research and attend weekly program sessions, with an emphasis on publication-quality research projects and the improvement of oral and written communications skills. NSF will support eight undergraduate students for 10 weeks of summer research at UND. Supplemental funds from other sources will allow SUNRISE to host 16 students this summer. 2009 participants come from six nondoctoral institutions: Truman State University, Alma College, Manchester College, Cal Poly Pomona, San Jose State, and South Arkansas plus UND.

In selecting UND, the review panel stated that "the research described in the proposal was found to be well conceived, well funded, topical, and certain to be of interest to undergraduates. The collaboration between scientists and engineers was notable. The prior work of a related UND REU program was judged to be highly successful, especially in regard to publications with participants. The proposed program seems highly likely to equip scientists and engineers to deal with issues concerning global supply and demand of energy."

[BACK TO TOP](#)

IN THE NEWS

EERC demonstrates cutting-edge technology to produce clean energy from used railroad ties

The Energy & Environmental Research Center (EERC) at UND announced today it has begun a groundbreaking demonstration of a revolutionary clean energy system that converts used railroad ties into heat and power. The demonstration unit is located inside the EERC's National Center for Hydrogen Technology (NCHT) demonstration facility.

The EERC is working with Aboriginal Cogeneration Corporation (ACC), based in Winnipeg, Manitoba, Canada, to convert biomass to energy in environmentally friendly ways. The company is working to install two 1-megawatt commercial clean power systems at its demonstration site northeast of Vancouver at Kamloops, British Columbia, Canada.

"This is a real breakthrough in technology," said Nikhil Patel, Project Manager and Research Scientist at the EERC. "Railroad ties treated with creosote are some of the most difficult biomass feedstocks to process safely because they contain significant amounts of coal tar. The U.S. Environmental Protection Agency has placed severe restrictions on the disposal of the railroad ties because the tar can be harmful to humans," he said.

The EERC, in conjunction with ACC, has reached a major milestone in generating power from waste ties via a proprietary EERC process that meets the stringent environmental regulations of British Columbia. The EERC process also reduces emissions to well below U.S. federal regulations.

"With 25 million used railway ties a year being disposed of in North America, an environmentally challenged material can now be converted into clean green energy," commented Maurice Hladik, CEO of ACC. "Another priority opportunity exists for the 100 plus native communities on diesel-powered generators. Sustainable quantities of locally harvested wood can be utilized to replace the very costly diesel at a substantial savings in energy costs, plus provide meaningful employment opportunities. In addition, the heat generated could be used in a variety of value-added commercial applications."

"The potential applications for this technology are endless," said EERC Director Gerald Groenewold. "This is going to open a lot of doors for the clean utilization of many other renewable fuels and waste products for the production of heat and power throughout the world."

The EERC's power system, which has been under construction for about 2 months, can process about 35-40 pounds of fuel an hour. The railroad ties are chipped before being fed into the system. The system operates at a much lower pressure and flow rate compared to other systems of this type, making it much easier to operate and integrate with other commercially available technologies for generating heat and power.

-- Derek Walters, Communications Manager, 777-5113, dwalters@undeerc.org

[BACK TO TOP](#)

IN REMEMBRANCE

Robert (Bob) Apostal remembered

Robert (Bob) Apostal, 78, passed away on May 16 at Altru Hospital in Grand Forks. Bob was born April 27, 1931, in Duluth, Minn., to Jean (O'Brien) and Alexander Apostal. Bob grew up and attended school in Duluth. He served in the Minn. Air National Guard and U.S. Air Force.

Bob married Joyce Williams on July 18, 1953, and graduated from the University of Minnesota-Duluth. The couple attended graduate school in Missouri where daughter Kathy was born. The couple also lived in Maine where son David was born. The family moved to Grand Forks where Bob was a professor in the Department of Counseling at UND for 25 years. He served as department chairperson for much of his tenure.

Bob was appointed by then-Governor Sinner to lead the N.D. Board of Counselor Examiners. The board established the requirements for licensed counselors, and Dr. Apostal became the state's first Licensed Professional Counselor in 1990. Bob retired from UND in 1992 and maintained a small counseling practice focused on issues faced by senior citizens and their families.

Bob and Joyce established the Friendship Circle Round Dance Club in Grand Forks. The couple traveled in the US and Canada teaching at round dance workshops and festivals. They were active in round dancing for 35 years.

After retirement Bob and Joyce lived in Grand Forks and Thief River Falls, Minn., and spent winters in Mesa, Ariz. Bob was a trumpet player in the city bands in Grand Forks, Thief River Falls, and Mesa, and he was the band manager at the Venture Out RV Park in Mesa. Bob recently started studying the electric bass guitar. In addition to music and dance, Bob enjoyed sports and reading.

Bob is survived by his wife of 56 years, Joyce, and his children, Kathy and David. He was preceded in death by his parents, his brother, John, and his sister, Jean.

[BACK TO TOP](#)

