



*Northern*  
**HORIZONS**

SPRING/SUMMER 2005

THE MAGAZINE FOR ALUMNI AND FRIENDS OF NORTHERN MICHIGAN UNIVERSITY

The Nature  
of Things

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*Horizons*, the magazine for alumni and friends of Northern Michigan University, is published three times a year (winter, spring/summer, and fall) by the Communications and Marketing Office and the NMU Alumni Association.

Funding is provided by Northern Michigan University, NMU Alumni Association members, alumni, and friends. Subscriptions are available at \$15 per year, \$7.50 for NMU retirees. Views expressed are not necessarily those of the NMU Alumni Association.

**Letters Policy:** Unless noted as "not for publication," communications to the editor are considered for publication. Letters will be printed as space permits and may be edited for space and clarity. Please limit your comments to *Horizons* magazine or to topics mentioned in the magazine. Mail to: Editor, *Horizons*, Northern Michigan University, 1401 Presque Isle Ave., Marquette, MI 49855; fax: 906-227-2722; e-mail: horizons@nmu.edu.

Northern Michigan University is an affirmative action/equal opportunity institution.

POSTMASTER: Send address changes to *Horizons*, Communications and Marketing, Northern Michigan University, 1401 Presque Isle Avenue, Marquette, Michigan 49855. Third-class postage paid at Midland, Michigan 48642.

#### EDITOR'S NOTE

## Have a drink, save a tree

What does quenching your thirst have to do with environmental responsibility? If you ask members of the NMU recycling committee, they might rattle off a number of facts. Maybe the fact that it takes 500 years for an aluminum soda can to break down and one million years for a glass bottle to break down. They might mention that recycling that same glass bottle saves enough energy to power a 100-watt light bulb for four hours or that recycling aluminum takes only 5 percent of the energy needed to manufacture it from raw materials. Or perhaps they would simply hand you a cup.

That's what they do for every incoming NMU freshman. Along with a university-issued notebook computer, each incoming student receives—free of charge—a reusable cup that he or she can use in lieu of a disposable, grab-and-go cup at any university dining establishment to purchase hot and cold beverages.

The NMU recycling committee was formed a decade ago and is comprised of NMU faculty, staff, and students who are committed to developing a comprehensive campus recycling program. The reusable cup initiative is just one of many spearheaded by the group. Thanks to the committee's ongoing efforts, NMU has a long-standing mixed paper recycling program in all departments and offices as well as recycling programs for paper, glass, and plastic in the residence halls and university apartments. Departments now recycle everything from copy machine and laser printer toner cartridges to antifreeze and vehicle batteries. The university grounds crew composts grass clippings, leaves, and other materials, and, of course, the university encourages the use of recycled paper and paper products.

These efforts have not only saved the university money, they have lessened the amount of trash going into the Marquette County landfill. For example, during the 2003-2004 academic year, NMU recycled more than 500 tons of paper, cardboard, scrap metal, and toner cartridges, which translated into a savings of \$10,500 in landfill costs.

Northern's sustained conservation efforts date back to 1973, when the university began an energy conservation program. Early projects included installing energy-efficient windows and individual heating controls in residence halls. Current efforts include installing energy-efficient heating and lighting in the Seaborg Science Complex, replacing the steam/condensate lines on campus, and upgrading the Ripley Heating Plant. Combined, current energy-saving efforts have helped the university avoid energy costs of nearly \$200,000 per year. Since the inception of the energy program, the university has saved an estimated \$20 million in energy costs.

NMU is now stepping up its efforts by working to make entire buildings "green." Northern recently registered with the U.S. Green Building Council, which calls for the development of high performance, sustainable, and environmentally friendly buildings. The renovation of Magers Hall back into a residence hall will be the first building to comply with the green building initiative (see story on page 2).

A big part of why many students, faculty, and staff choose to come to Northern is because of the beauty of its natural surroundings. While the cost savings and environmental impacts associated with Northern's recycling and conservation efforts are truly inspiring, what is even more inspirational is learning how those same people, along with generations of active alumni, are investing their lives in making sure that this little corner of the world—as well as many other corners out there—remain as untouched as humanly possible.



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The wildlife black market is one of the most profitable transnational crimes today, and one of the most difficult to track and punish. NMU criminal justice professor Gregory Warchol has spent the last several years studying the bush meat trade, traditional medicines market, and illegal plant and wildlife poaching to help educate people about the importance of protecting the world's rare and endangered animal and plant resources.

### 10 Unearthing Presque Isle's Past

The serene beauty of Presque Isle Park has been drawing visitors inside its gates for as long as many people can remember. But for NMU geography professor **John Anderton '87 BS**, the park is much more than a place to watch the waves of Lake Superior crash over the breakwater or hike through the forest. In the process of documenting Presque Isle's cultural and geologic history, Anderton has uncovered five millennia of human activity.

### 14 Permafrost Paradox

Evidence shows that permafrost temperatures have increased over the past twenty years. While some believe that global warming is to blame for the increase, University of Delaware geography professor **Frederick Nelson '73 BS** says researchers do not yet have enough data to form such conclusions. In order to increase the observational record, Nelson and other scientists have established a program to model and track changes in permafrost thickness and temperature.

#### ON THIS PAGE

Trees during late fall at Presque Isle Park. Photograph by Bill Sampson.

# Northern builds green

Northern has registered with the U.S. Green Building Council and will seek “Leadership in Energy and Environmental Design” (LEED) certification for all future capital projects, beginning with Magers Hall, which is being converted back to a residence hall.

According to its Web site, the U.S. Green Building Council is a “coalition working to promote buildings that maximize economic and environmental performance.” Its 4,000 members include local, state, and federal governments; product manufacturers; contractors; builders; utilities; and educational institutions.

The LEED Green Building Rating System developed by the council’s membership is a voluntary, consensus-based national standard for developing high performance, sustainable buildings. Kathy Richards, director of engineering and planning at NMU, said the Michigan Department of Management and Budget now requires that all state-supported major capital outlay projects be designed and constructed in accordance with the LEED system and score enough points to meet minimum “LEED Certified” status.

“As a result of this requirement, NMU has decided to have all of its capital projects comply with this green building initiative,” Richards said. “The potential benefits we see are energy savings, resource conservation, waste reduction, environmental sensitivity, marketing promotion, and keeping consistent with our motto, ‘Northern. Naturally.’”

Research cited by the U.S. Green Building Council states that buildings account for 36 percent of total energy use and 65 percent of electricity consumption in the United States. They are also responsible for nearly one-third of all greenhouse gas emissions, raw materials use, and waste output.

The USGBC states that breakthroughs in science, technology, and operations have made it easier to “build green” and reap several environmental and economic benefits. These include improved air and water quality; enhanced and protected ecosystems and biodiversity; reduced operating costs; optimized life-cycle economic performance; enhanced comfort and health; and improved employee productivity and satisfaction.



## Fast-track renovation

Construction on the estimated \$6.1 million renovation of Magers Hall began in March and is expected to be complete in just three months. The self-imposed schedule will serve as a trial for future residence hall renovation projects in the hope that on-campus housing will not be impacted during the academic year.

“In order to have better control of the scheduling, we’ve approached the bidding process differently,” Art Gischia, NMU director of business services said. “Instead of having an architect draw up one complete bid package, this time we had three individual bids—for general contractor, mechanical, and electrical—held by the university. It will take two or three shifts to accomplish this, but if it works, we may consider it again for future residence hall renovations.”

The renovation project also served as a real-life learning experience for construction management students, who worked on the schedule and followed the process through the initial construction phase. Carl Holm, director of housing and residence life, said architectural changes in the building will include a roofline that is pitched rather than flat, and three-story entryways on the corners featuring sunroom sitting areas on the second and third floors.

“We wanted to open up the long, dark corridors and bring in more natural light and allow students to take advantage of that light,” Holm said.

## Northern board votes in support of WNMU-FM

The Northern Michigan University Board of Trustees voted unanimously at its December 2004 meeting to continue providing general fund support of \$50,000 to keep the public radio station on the air.

The trustees will not take action on the public television station until they receive additional information about the university’s liability in obtaining grants, financing alternatives for federally mandated digital upgrades, and marketing strategies aimed at students pursuing broadcast-related careers.

The board will hear a final report and recommendation on the fiscal and programming future of the public television station at its October meeting.

# New business dean named

**R**ajib Sanyal is the new dean of the Walker L. Cisler College of Business. His appointment is effective July 1.

Sanyal has served as a professor of management in the School of Business at The College of New Jersey—formerly Trenton State—since 1987. He also spent four years as division head. In that capacity, he was responsible for administering academic majors in accounting, economics, finance, and international business with 19 full-time and six part-time faculty.

“I am excited at the opportunity to lead Northern’s business college,” Sanyal said. “It is well situated to serve as a key driver of economic development in the region. The college’s human and intellectual resources offer the promise of building on its record of positively chang-

ing the lives of students and the lives of the citizens in the community. It is this promise, I should say, that attracts me to Northern.”

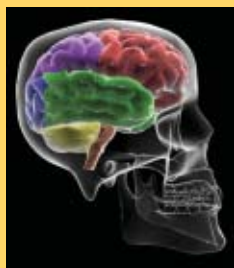
Sanyal was selected for an American Council on Education Fellowship for the 2004-05 academic year, which he completed at George Mason University in Fairfax, Va. In addition to teaching at The College of New Jersey, he has been a visiting professor at the University of Waikato in Hamilton, New Zealand, and a consultant on distance education for Thomas Edison State College in Trenton, N.J. He also was a lecturer in commerce at the University of Delhi in India and served as an adjunct faculty member at the following eastern U.S. institutions: Rider University in New Jersey, Thomas Jefferson University in Pennsylvania, and Brenau College in Georgia.



Rajib Sanyal

Sanyal holds a doctorate in business administration from Georgia State University. He also holds a master’s degree in industrial relations from the University of Wisconsin-Madison, a master of commerce degree in general business from the University of Delhi-India, and a bachelor of commerce degree in accountancy from the University of Calcutta-India.

## Northern and Marquette General Hospital collaborate on brain tumor program



NMU will play a role in a new comprehensive brain tumor program being established by The Upper Michigan Cancer Center and the Upper Michigan Neuroscience Center at Marquette General Hospital.

Northern’s biology department will collaborate with MGH on a research program that will examine the genetics of primary brain tumors in an effort to identify the mechanisms that cause a cell to become cancerous. Improved understanding of altered genetic pathways may lead to new treatment approaches.

NMU biology professor Robert Winn will lead the research effort. He said his students are honored to work closely with MGH on the new initiative.

“We’re excited to partner with MGH in this way,” Winn said. “Using our research strengths, with resources available

at MGH, will benefit both institutions. I strongly believe it will result in a better understanding of brain tumors and ultimately better care for patients.”

The NMU biology department, Winn said, will undertake the actual detection and characterization of specific genes or gene products that may play a role in the development and growth of tumor cells.

“We’ll be looking for the presence of gene products in tumor cells that may be the underlying causes of the tumor,” he said.

The collaborative research effort is one of three key components of the Upper Michigan Brain Tumor Program, which may be fully operational by the fall. The remaining two components are a uniform clinical treatment program and patient advocacy programs.

MGH is using the Brain Tumor Center at Duke University as a model and consulting resource. The hospital provides medical, surgical, and radiation therapy care for a number of patients with a variety of benign and malignant brain tumors.

## Promoting an energy efficient U.P.

Jennifer Silverston, an NMU graduate student from Grosse Pointe Shores, is the driving force behind an effort that resulted in a \$24,000 grant from the Michigan Department of Labor and Economic Growth to establish an energy demonstration center in Marquette, called Northern Options. The center joins six others around the state and will teach the public about wise energy use, green building practices, and renewable energy solutions. Silverston serves as the center's director.

Silverston received a bachelor's degree in marine biology from Boston University. She came to Northern after recovering from a boating accident that left her unable to walk.

While Silverston slowly regained the ability to walk, the pain persisted, and she was prohibited from having a full-time job. She said she became psychologically bored. "I kept asking the doctor if I could take a class."

She decided that Northern's campus was best suited for her inability to drive long distances and other limitations.

Her interest in wind and alternative energy exploration was sparked while taking a geography class, and in 2003, Silverston formed a group called Marquette Citizens for Wind Energy. The group persuaded the Marquette Board of Light and Power to conduct a \$20,000 study to see if wind energy would be feasible in the area.

She then organized a wind energy town meeting in January 2004 that drew more than 200 people. When the Michigan Energy Office heard about the interest in wind energy in the U.P., they encouraged Silverston to apply for the grant.

"I'm taking it one step at a time," she said. "The energy project has been a huge part of my recovery. It's way too easy to get overwhelmed by the pain, but the energy project has always given me goals."

## Prodigal plants

### Sowing the seeds of interest in plant restoration

As spring arrives and the birds return to their northern roosts, several other, more firmly rooted species are making a return to the area although many of them have been absent for much longer than a single winter.

Ronald Sundell, director of NMU's environmental science program, has spearheaded the native plants project, an effort to restore native plants and vegetation to campus. The idea took root during in-class discussions when Sundell came to Northern about six years ago. His interest in native plant restoration inspired a plan to place native plants right on campus grounds. Wildflowers and grasses including black-eyed Susans, Canada wild rye, big blue stem, and little blue stem are all growing on the hill outside Olson Library. Spring 2005 marks the project's third planting season.

"We're taking an area disturbed by humans originally and covered with nonnative species, and now we're introducing native species that were here long before we got here, and we're watching how they spread," said junior biology major Jason Woodhull. Woodhull works with the student Environmental Science Organization and helps to coordinate the cultivation of native plants in the NMU greenhouse.

Most of the campus is dominated by landscaped trees and lawn, which offer very little in terms of a native habitat or its attributes.

"Lawn is kind of a dead end in terms of what it provides for us ecologically," said Jan Schultz, plant ecologist for the United States Forest Service Hiawatha National Forest, which is aiding the NMU project. She said that non-native species, which can be persistent and aggressive, threaten our local and regional



Ron Sundell (center) works with students in NMU's greenhouse to prepare plant starts for the next planting season.



Students from Sundell's biogeography class pitch in and help plant native grasses between the New Science Facility and Olson Library.

biodiversity, and that threat ripples through the entire environment.

"Using indigenous species goes hand in hand with controlling and eradicating non-native plants. One of the forest service's chief concerns stems from that, pardon the pun," she said.

Schultz has worked closely with Sundell on the project, donating some of the seeds and assisting in their integration with the native flora of the campus environment. Other seeds were gathered from nearby areas. The nativity of the seeds was determined by geographical similarity and proximity to the campus; this is called "local provenance." Successful growth and establishment may depend upon this practice.

"Native plants don't require nearly the amount of or any fertilizer or herbicides, and are not bothered by bugs," said Schultz. "They are useful to our pollinators, birds, and butterflies. They are less consumptive of all the poisons and fossil fuels that we use on lawn."

Sundell and his students are developing the large swath of land between Olson Library and the New

Science Facility and by the two down-campus residence hall quads. Divided into six areas, each will be dedicated to a particular species—wildflowers and grasses, trees and shrubs, mixed woodland, wetland, and a native seed research area. The retention pond near Quad II serves as the wetland area of the project. A weather station, which was constructed earlier in cooperation with the National Weather Service, is also incorporated into the undertaking.

The area currently being tended is the stretch of land directly south of Olson Library. Recently Sundell secured \$17,000 of a grant that is shared with the several other environmental organizations. As more funding and manpower become available, other areas of the project will be developed.

Woodhull, who is charged with tending the restored area over the summer, said he was surprised when the industrious plants began popping up in various places on campus where they were not planted. Others took root so fast that they only needed to be watered in extremely hot weather after their first year. He

said he looks forward to planting more and observing the progress. "It was kind of amazing how strong the plant species are and how well adapted they are to that habitat."

Besides the benefit of an outdoor study area located conveniently on campus for lab science classes, Sundell hopes that the area will help to educate the campus and Marquette communities about the area's environmental heritage. Sundell plans to incorporate signage in the area to help people identify the various species. Aesthetic value is also a consideration.

"It can look a little dirty and messy, but once the plants get better established, you have the mix of different types of flowers blooming every year—grasses coming in four feet high. Beauty is in the eye of the beholder, and I think this looks really nice once established," Sundell said.

"It's a long-term project," he added. "I tell students, 'You're there at the beginning. You'll come back and show your spouse and children, and you'll be able to see your accomplishments.'"

That's what putting down roots is all about.

—Matt Schneider '00 BA



Students are already beginning to collect some seeds from the on-campus site. Here, students are collecting seeds from a large patch of black-eyed Susans.

# *Hunting the Exotic*

By CINDY PAAVOLA '84 BS



Beverly Joubert  
National Geographic Image Collection

Under the hot South African sun, Northern Michigan University criminal justice professor Gregory Warchol wanders through the dusty lanes of Durban's Victoria Street Market. Weaving through throngs of shoppers, he makes his way into the traditional African healer's market—a block-long, open-air marketplace with vendors' stalls on each side. He mixes with the shoppers and examines the offerings in the first few stalls. A colorful array of tree bark, roots, plants, leaves, grasses, and all manner of South African flora are overflowing in wicker baskets.



As Warchol makes his way deeper into the market, the sights become disturbing. He watches as two young men kneel on the ground and skin a vervet monkey. Other stalls openly display poached hyena skins, leopard paws, monkey and gorilla skulls, vulture carcasses, and bones from literally hundreds of other animals. These animal parts are used for *muti* (healing) and *ngomas* (fetishes), and many of them are from endangered species illegally poached in protected game reserves. Although the Victoria Street Market is well-known as a place where both legally and illegally obtained wildlife products are bought and sold, Warchol notices a police officer who turns a blind eye to the market's activity as well as the nearby border patrol guards who casually lean against the posts of the barbwire fence that divides South Africa from Mozambique.

This is how Warchol has spent the past three summers, in Botswana, Namibia, Swaziland, and South Africa. It is research he has come for, not product. He is studying the bush meat trade, traditional healer's market, and illegal poaching. His research is making him one of the world's leading experts on the wildlife black market—the second-most profitable transnational crime in the world today, behind drugs and ahead of weapons trade.

“Although illegal wildlife trade is worth about \$6 billion annually, it has been pretty much ignored by U.S. criminologists up to this point,” said Warchol, who came to NMU in 1998 after a stint as a research analyst with the U.S. Department of Justice, Bureau of Justice Statistics in Washington, D.C.

Illegal wildlife trade is the unsanctioned trafficking of mammals, birds, reptiles, plants, and marine life, and their parts. The market is driven by a high demand for wildlife and their parts due to their rarity, presumed medicinal properties, food value, and aesthetic value as fashion items. The market prospers because of the high payoff and low risk of punishment; remote locations where the crimes can take place; new communication technology such as e-mail and the Internet; and a combination of antiquated and modern transportation infrastructures operating side by side. For instance, both South Africa and Namibia have porous borders and a large number of remote airfields.

“There will always be forms of illegal trade as long as there are the ‘haves’ and the ‘have nots’ in the world,” said Warchol. “Some nations have rare animal and plant resources, but they don't have economic prosperity.” He said the challenge is not only protecting the endangered species but educating the world's citizens about the ramifications of harvesting or hunting to the point of extinction. “It's difficult to convince a poacher to worry about the world's ecological, economic, and political systems when there is potential to make money to feed his or her family.”



Top inset photo: Animal skulls for sale at the Durban African traditional medicine market. Bottom: A warning sign to poachers at Thanda, a private game reserve in South Africa. Photographs courtesy of Gregory Warchol.



Above: The traditional African medicines market in Durban, South Africa. Healers often use a variety of wildlife products such as animal bones and pelts (left inset) to produce remedies for both physical and social problems. Many of the products come from endangered species.

To demonstrate the profitability of illegal wildlife trade, Warchol uses the example of African cats. They are hunted for their parts for traditional medicines, for their pelts, and captured live to be killed in canned hunts or traded on the exotic pet market to places such as the Middle East, where owning an African cat is a sign of prestige.

“One tourist gift shop salesman told me that a male lion’s hide sold for \$9,000 U.S., and that he could sell lion pelts as fast as he could get them. Buyers seldom ask how they were obtained. Also, exotic game hunting is a major industry in South Africa and Namibia, with hunters—mainly from North America and Europe—willing to pay as much as \$50,000 to kill certain animals,” said Warchol, who added that there are fewer than 25,000 lions remaining in all of Africa.

Ivory trade is another highly lucrative market. Despite the 1989 international agreement banning ivory trade, the three largest-ever seizures of ivory have all taken place since 2002. One shipment contained more than 500 elephant tusks and 40,000 small carved ivory cylinders. According to the International Fund for Animal Welfare, the cylinders alone were worth \$6 million.

Warchol was surprised to learn that the dominant sources of illegal wildlife trade in South Africa and Namibia, where he first began his study with Linda Zupan and later returned with Robert Hanson—fellow NMU criminal justice professors—are reptiles and birds. Reptiles are in high demand for collectors and local pet shop owners, for illegal export to buyers in Europe and the United States, and for shipment to Asia as exotic foods. Birds poached from the wild are wanted to fill orders from domestic and world collectors.

It would be unfair to say, however, that all endangered animals such as elephants, rhinoceros, and big cats are killed with trading in mind. “To many African farmers, these animals are nothing but giant pests. Six tons of hungry elephant can easily devastate a farmer’s crops,” Warchol said.

While the pelt and exotic pet trade and canned hunting are major forces driving the illegal wildlife market, Warchol said the traditional medicine practices and the bush meat market are having as much, if not more, of an impact. One element pushing the bush meat market to prominence is simply that there are more people and fewer readily available sources of protein sustenance.

Complicating the problem is the fact that enforcing laws that go against traditional medicine practices is nearly impossible in many parts of Africa. When Warchol asked a colleague who had accompanied him to the Victoria Street Market



Cargo containers such as these found in Durban are commonly used to ship wildlife parts to their final destinations.

why the police never took any action even with all this evidence of animal poaching in plain view, his colleague replied, “If the police confiscated it, then the market would be restocked with fresh animal parts in a week or so, resulting in the deaths of even more endangered species.’ The thought was better to leave it alone and hope the products sold slowly,” said Warchol.

Lest one think that the wildlife black market only impacts African nations, Warchol is quick to point out that the consumer end of the illegal trade process also includes North America, Western Europe,

the Middle East, and Asia. The United States, said Warchol, is the biggest consumer of wildlife and wildlife products.

“Unfortunately, we as Americans don’t ask a lot of questions about where some of these things come from. We don’t walk into a pet store and think about the fact that a ‘rare and exotic’ bird we are considering buying may have been purchased on the black market and that it is one more bird of an endangered species that is now living out of its natural environment. We do the same with our landscaping choices or when we’re building our homes and we choose certain types of woods for our floors and kitchen cabinets simply because they are considered exotic.”

Poaching is also not foreign to the United States. Today, many of America’s national parks are being threatened by illegal harvesting and hunting. The National Parks Conservation Association estimates that “wild ginseng taken from U.S.

parks is being sold for as much as \$365 per pound, and that a gallon of gall bladder bile from black bears for as much as \$3,000.”

Warchol said that as funding for national and state parks declines, park officials will have a tougher time with poaching enforcement, including places such as the Upper Peninsula.

“A black bear poached in the U.P. for \$50 to \$100 can easily have a street value of thousands of dollars by the time its parts are sold in, for example, San Francisco for use in holistic medicine,” he said. He added that as the bear population in Asia declines, the black market problem could worsen in parts of the United States and Canada. The NPCA estimates that 40,000 black bears are illegally killed in the United States each year.

Warchol believes that understanding such supply and demand factors is critical to controlling the world’s illegal wildlife trade.

“Once an animal or plant species is gone, it’s gone, and that’s a travesty,” Warchol said. “But in addition to the environmental issues, nations that allow illegal wildlife trade run some fantastic economic and social risks, too. What happens to a country’s economic, political, and social stability when its most valuable resources are no longer there?” ■



Above: An elephant family at Chobe National Park in Botswana. Elephants are heavily poached in Southern Africa for their ivory tusks; they are also illegally killed for bush meat. Right: Even though adult cheetahs are an endangered species, they are commonly killed by farmers, who see them as nuisance animals. They are also taken alive illegally for the exotic pet trade. Photographs courtesy of Greg Warchol.







# Unearthing Presque Isle's Past

By KRISTI EVANS

Photography by BILL SAMPSON

**John Anderton '87 BS** stands by the timber gazebo at Presque Isle Park, looking toward the horizon where an azure sky meets the blue-gray water of Lake Superior. Coaxed by a gentle breeze, the waves crest and fall gracefully in syncopated rhythm before they splash against the breakwater, rousing a gull from its rocky perch. It is a meditative view—the kind that has captivated visitors for generations. Many locals make frequent trips to this scenic refuge to indulge in the three Rs: reflection, relaxation, and recreation.

“I’ve always been intrigued by this place,” Anderton said. “I spent a lot of time here with my family when I was a child and later as a student at Northern. It’s real special to me. When I left the area for a while, I often found myself wanting to come back and just look at the island.”

Anderton did come back—to teach geography at his alma mater. But since returning six years ago, he’s been compelled to do much more than “just look” at the island. He has literally moved earth and stone in a quest to gain a better understanding of Presque Isle’s cultural and geological significance. Anderton has uncovered evidence of 5,000 years of human activity, ranging from Native Americans to early silver miners to transient settlers.

Before he began his cultural resource survey at the site, Anderton spent a month in the NMU archives. He immersed himself in historical maps, photos, and records to narrow the scope of his search.

Then he led a crew of students and volunteers to the park. Their first task was to examine old and modern shorelines. Anderton points to a grassy hill marked by a series of small terraces that serve as visual time breaks left in the wake of varying water levels. Presque Isle might appear more like a peninsula today, but Anderton said it was once a true island.

“The oldest surface at the top of the hill dates back to the last glaciation 10,000 years ago, when the lake levels were much higher. Now this land is connected to the mainland by a strip of sand deposited by currents over time. When the lake level dropped, we got the formation we have today.”

John Anderton locates a remnant of a stone tool on Presque Isle’s north end. Such findings provide evidence of the area’s earliest inhabitants, dating back as much as 5,000 years.

*“Presque Isle’s first visitors were likely small families who arrived each spring...camped on the shoreline, and probably speared fish from the lake.”*

Anderton and his crew also did shovel testing to determine the location and boundaries of prehistoric sites. They dug small holes in the soil and screened the material with quarter-inch mesh. Assuming they would find one or two sites, they ended up with 10, including a two-acre parcel that Anderton calls one of the largest prehistoric plots in Marquette County.

Artifacts that surfaced through this labor-intensive process provide clues about the history of human activity. Anderton said Presque Isle’s first visitors were likely small families—maybe 100 people total—who arrived each spring, camped on the shoreline, and probably speared fish from the lake. He said this annual rotation began about 5,000 years ago and continued for two millennia.

When asked how he can determine the time frame, Anderton scans the ground near his feet and bends down to pick up a small, glistening stone fragment protruding through the surface.

“This is a quartzite flake,” he said. “It has certain characteristics, like a striking platform and a bulb of percussion, from it being hit by another stone. What people seemed to be doing 5,000 years ago is reducing cobbles of stone, trying to make sharp edges. This is like the Swiss army knife of the Archaic Period. It was used for scraping, cutting, cleaning fish, processing deer hide—you name it. There’s a little copper out here, too, but that was

pretty much looted by folks with metal detectors in the ’70s. We also found a lot of fire-cracked rock, which was probably used for pro-



Anderton teaches students from his soils class field procedures in soil classification and survey applications on the south end of Presque Isle.

cessing food in hearths or fire pits.”

On the north end of Presque Isle, near the cove where brave souls leap from ancient black rock outcroppings into the water, Anderton lowers himself into an old mine shaft.

“This is one of three reported shafts from an 1845 silver mine encampment here,” he said, as his feet hit the bottom. “There were legends of silver in this area, so a company set up shop to find it, and 17 English and Irish people stayed here. They reportedly dug three shafts. I’ve been able to find two of them. This

one is somewhat shallow, but there’s another about 40-feet deep and really dangerous 40 yards away. You can still see the tool marks down here.”

The encampment also featured five log cabins where the parking area is now located, a blacksmith shop, and a storehouse. Just across the road, not far into Presque Isle’s inner circle, Anderton stops by a

rectangular ditch. It is the empty shell of a root cellar constructed by the miners.

“Back in those days, before refrigeration, you were forced to have one of these to preserve food,” he said. “They dug into the ground, took the soil and heaped it over the structure. It looked almost like a mound with an entrance at one end. The soil provided insulation.”

With three tons of ore removed, but apparently no silver to show for it, Anderton said the mine shut down the next year. Its discovery

adds a unique dimension to the history of the park.

Originally owned by the Ojibwa Indians, Presque Isle was ceded to the United States in the 1842 Treaty of LaPointe. About a decade later, it became a U.S. lighthouse reservation based on the assumption that the port city of Marquette would be centered

around what is known today as the Upper Harbor.

Anderton stands at the bottom of one of three old silver mine shafts at the north end of Presque Isle. Anderton has located two of the shafts but has been unable to locate the third.



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around what is known today as the Upper Harbor.

Founding father Peter White convinced the federal government in 1886 to give Presque Isle to the city for use as a park. A road was constructed shortly after. White's friend Charlie Kawbawgam, the last chief of the local Chippewas, moved onto the island with his wife, Charlotte. It would be their last home. Their graves are marked by a stone on the southeast side (pictured at right).

Anderton said that Presque Isle faces some serious issues such as ero-

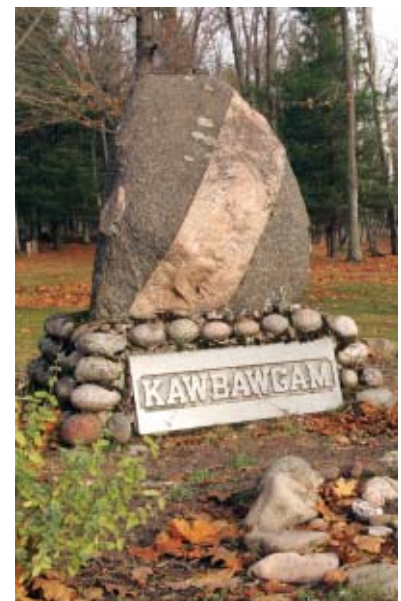
sion, but he is most concerned with the potential loss of the park's cultural heritage and natural beauty.

“The management plan is to keep the island as wild as possible,” he said. “My hope is that the results of my research will let the city know what’s on the property so they can make good choices to preserve it. I also encourage visitors to enjoy the island without disturbing the land or taking anything. It’s a protected place. We can’t just go out there with shovels and metal detectors.”

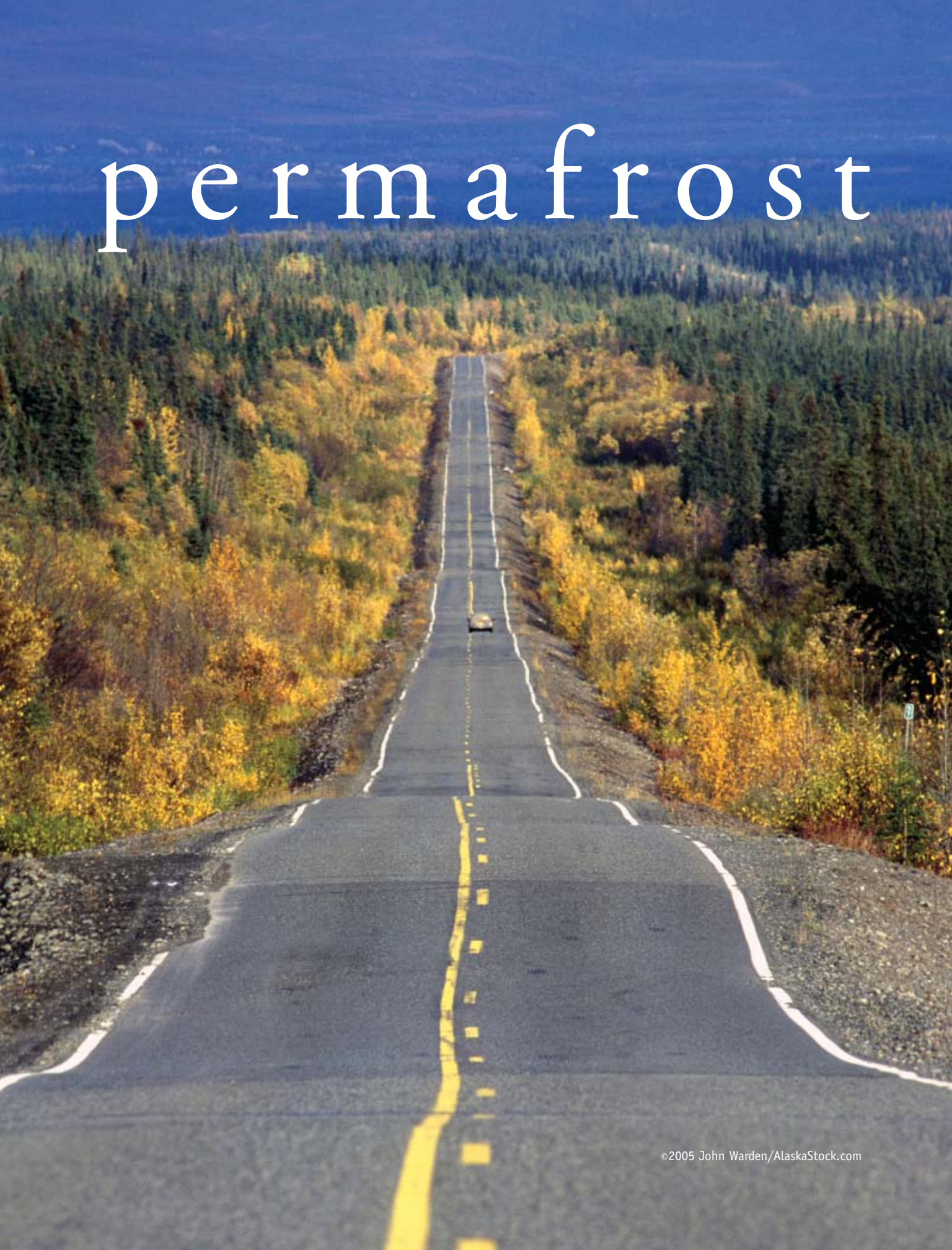
Anderton obtained a special permit to perform his study. He was surprised to learn it was the first professional exploration of Presque Isle. Fueled by his discoveries, which he described as bigger than anticipated, Anderton would like to write a book for a general audience. He is also contemplating a public archeology project to expand on the work his crew has completed.

As the guided tour comes to a close, it is apparent that Anderton looks at Presque Isle in a way most people don't. But he is eager to share his perspective in the hope of opening others' eyes to the significant role Presque Isle played in the forging of Marquette, and the critical need to preserve this historical and cultural gem for future generations. ■

*“The management plan is to keep the island as wild as possible.... It’s a protected place. We just can’t go out there with shovels and metal detectors.”*



# permafrost



# paradox

By KRISTI EVANS



The landscape in central and northern Alaska is dotted with visual evidence of the potential hazards of permafrost degradation: trees jut in haphazard directions, which locals refer to as the “drunken forest” effect; telephone poles tilt on the horizon; homes and buildings lean like the Tower of Pisa or sink into the soil; and highways and parking lots buckle because of the reduction in volume below the surface.

**Frederick “Rick” Nelson ’73 BS** is well-acquainted with these potential hazards through his research as a geography professor at the University of Delaware. His permafrost studies have taken him to the “exotic” locales of Alaska, Siberia, Mongolia, and Tibet.

“These cold-climate regions were sparsely settled for a very long time but have more recently opened up for development, particularly in Alaska,” Nelson said. “It’s

*“One of the greatest challenges facing permafrost scientists is to separate out the climate-induced impacts from the effects of localized human activities.”*

Permafrost is subsoil that remains frozen for at least two consecutive years, and it lurks beneath as much as one-quarter of the earth’s surface. It lies directly below the “active layer” of ground that freezes and thaws on a seasonal basis. When climatic warming or localized human activity causes the active layer to thicken, ice-rich permafrost can become unstable. This poses serious implications for ecosystems and man-made infrastructure.

Degradation of permafrost also has the potential to accelerate global warming. Because significant amounts of organic carbon are sequestered in its upper layers, thaw-induced changes could release large quantities of greenhouse gases—carbon dioxide and methane—into the atmosphere.

common knowledge that if you build heated structures above permafrost that is rich in ice, the transfer of heat downward can lead to thawing of the upper permafrost. This reduces its load-bearing capacity and can lead to dramatic settling of the ground surface.

“In Fairbanks alone, there are about 350 buildings impacted by thawing. This shows a remarkable lack of planning because there are engineering solutions for virtually any situation. A lot of problems could be solved through regulation, adequate land-use planning, and rational decisions by developers.”

Nelson bristles at some of the sensationalized headlines permafrost has generated in recent years in the context of climatic warming. Examples include “Baked

Left: The Glenn Highway in south central Alaska was built over an area of thaw-unstable permafrost. Heat generated by the highway has caused ice in the permafrost to melt. As a result, the ground has settled and many uneven bumps and ripples have formed along the highway. Above: Frederick Nelson working near Barrow, Alaska, on a collaborative project with National Oceanic and Atmospheric Administration’s Climate Monitoring and Diagnostics Laboratory. Photograph courtesy of Frederick Nelson.

Alaska,” “Alaska Melting Away,” and “Thawing Permafrost Threatens Northern Hemisphere.” It has emerged as a hot topic in climate change science, but Nelson said he is trying to squelch alarmist views disseminated by some members of the popular press. “It’s my role as a responsible scientist,” he added.

Still, some trends indicate that permafrost is a paradox—not permanently frozen subsoil, as the name implies, but more of a shifting dynamic. Measurements taken in deep boreholes show that permafrost temperatures increased markedly in the latter part of the 20th century in the northernmost regions of North

*The silver lining is that many of the hazards associated with permafrost develop very slowly.*

America and Eurasia. There is also evidence that the extent of permafrost decreased substantially and that its distribution shifted northward in some regions over the same time period.

The silver lining is that many of the hazards associated with permafrost develop very slowly. Nelson said it would take centuries or even millennia for thick sections of permafrost to thaw completely. And while its characteristics are deter-



Frederick Nelson

An exposure of ground ice in the Yamal Peninsula of northwest Siberia. The ice was exposed during an unusually warm summer that led to a series of large-magnitude mass movements in the area.

mined to a large extent by the temperature at the earth’s surface, Nelson said not all changes can be attributed solely to climate change.

“One of the greatest challenges facing permafrost scientists is to separate out the climate-induced impacts from the effects of localized human activities,” he stressed. “We know both factor into the equation, but we can’t say for certain how much because the observational record isn’t long enough yet. We need detailed and extensive data before we can make that determination.”

Nelson is in the process of accumulating such data. About a decade ago, he and other scientists tried to

gain access to all long-term records of the annual variations in the thickness of the active layer above permafrost. They found a few from Russia, but virtually nothing from North America. That led them to establish the Circumpolar Active Layer Monitoring (CALM) program, a network of research stations designed to track and model these changes.

In Alaska, he runs a series of data “trap lines” on two parallel spans that run north to south. One originates at the tip of the state in the village of Barrow; the other about 120 miles east in Prudhoe Bay. CALM has expanded into a global program with more than 125 sites in the Arctic, Antarctica, and several mountain regions in the mid-latitudes, including the Tibet Plateau. Nelson and a colleague manage the \$1.5 million program through the University of Delaware. CALM is funded by the National Science Foundation.



Miners in 1898 use a network of steam pipes to thaw underground gold-bearing areas at the Eldorado mine in the Yukon.

“Variability is one of the huge factors we confront,” Nelson explained. “On the north slope of Alaska, one area might have an active layer only half as thick as an adjacent location 10 to 20 meters away. In mountainous regions, it’s almost impossible to predict the thickness from one spot to another a couple of meters away. Even if you standardize measurements from different areas to reflect roughly the same amount of vegetation cover and similar soils, there can be amazingly large variations in the thickness of the active layer.”

Despite the relative shortage of long-term records, Nelson said permafrost studies actually originated in Russia in the 1700s. They later became a practical issue with the construction of the Trans-Siberian Railway. The Yukon and Alaska territories were the sites of the first major encounters with permafrost in North America, during the Klondike Gold Rush. Miners came up with creative methods for excavating the frozen tundra, even injecting steam into the ground. But they learned the hard way that an artificially induced thaw could have a destructive impact on buildings on the surface.

Those lessons were lost on engineers during the early part of WWII, when concerns about a possible Japanese invasion prompted them to construct major highways in Alaska and northwestern Canada for transporting oil and other materials.

“They stripped the soil down to the top of ice-rich permafrost,” Nelson said. “Solar radiation would strike it and begin to melt the



The U.S. Army Corps of Engineers used brush and logs to insulate and inhibit the thaw of ice-rich permafrost along the Alaska-Canadian Highway in 1942. These types of roads are called corduroy roads.

ground ice. They came up with a lot of seat-of-the-pants solutions like putting down a layer of insulating brush or gravel. They muddled through, but thawing permafrost was a serious concern. And if you fast forward a few decades, the original plan for the Trans-Alaska pipeline was to dig a trench and bury it. They were going to run a hot oil pipeline 48 inches in diameter some 800

miles, much of it through permafrost terrain. Fortunately, people who knew better intervened.”

With these storied episodes, it’s no wonder Alaska has been the destination of choice for the bulk of Nelson’s research. He became intrigued with permafrost during his first trip to the state’s ice fields as a graduate student in 1975.

When asked what he enjoys most about his permafrost research, Nelson replied, “It’s a good detective story. Every discovery—every problem that you solve—generates 10 more questions that are equally or even more interesting, though they won’t all be answered in my lifetime. It also gives me a chance to work professionally in a cold climate, at least part of the year, which was always my goal.”

Nelson said his Northern experience was pivotal in determining his future career path. “I was very interested in nature and made a lot of trips to Sugarloaf, Pictured Rocks, and the Porcupine Mountains while I was a student. But when I took my first geography course as a sophomore, I had a revelation. I began to realize that I could pursue work in the field from an intellectual standpoint and make a living at what I really enjoyed. It was phenomenal. I never looked back.” ■



Frederick Nelson

## Nelson honors professor with endowment

Frederick Nelson took his first geography course from Fillmore C.F. Earney in 1970.

“It was geography of the Soviet Union and was team taught with one of the political science professors,” said Nelson. “One of Dr. Earney’s specialties was the Soviet Union. I began to work there in the 1980s, but that class was where I first started learning about the geography of that area of the world.”

Nelson helped to create the Fillmore C.F. Earney Endowment to honor his former NMU geography professor.

Nelson said that Earney provided the tools he would need for graduate school.

“As a senior, I had a research methods in geography course with him, and I learned about information gathering and management, and how to hone my writing, hypothesis, and testing skills. That course gave me a competitive edge, even over folks from elite universities.

“Years later when I began teaching a research methods course myself, even though details and specific tools had changed, I modeled that course after the one I took from Earney years before,” said Nelson.

Earney taught at NMU from 1966 until his retirement in 1996.

The endowment will support geographical education and scholarship, particularly assisting student involvement in research and preparation for graduate study.

To contribute to the endowment, contact the NMU Foundation online at [www.nmu.edu/foundation](http://www.nmu.edu/foundation), via e-mail at [foundatn@nmu.edu](mailto:foundatn@nmu.edu), or by calling 906-227-2627.

## PRESIDENT'S NOTE

# Preserving our natural surroundings

Whenever I talk with alumni, whether they now live in the U.P. or far from it, they always speak of their great memories of Northern and the Marquette area. Those memories often involve the outdoors and natural environment: hiking up Sugarloaf Mountain, walking along Lake Superior, or skiing down Rocket at the former Cliffs Ridge. So many past and present students have told me they chose Northern because of its natural surroundings.

What are your favorite "Northern, naturally" memories? Did you play volleyball at McCarty's Cove? Attend social events at ROTC Rock? Partake in a swimming adventure at Little Presque Isle? Do you remember those perfectly still snowy nights?

For me, nothing beats Presque

Isle. Pristine, wooded, with the sound of the lake, the beauty of this unique island that juts out into Lake Superior is unmatched at any time of the year. Every trip I make to Marquette includes a visit to the island, and I'm fortunate to make the trip during all four seasons.

We were (some of us still are) very fortunate to have been surrounded by natural beauty at NMU. Those memories have motivated many alumni around the country to help protect the natural beauty of places like Presque Isle for future generations. Many belong to conservancy groups or are actively engaged in projects that help the environment. Perhaps you're doing something as simple and invaluable as recycling or picking up trash along the roadways.

Each of us can play a role. After all, don't you want to make sure



your grandchildren's children have the opportunity to enjoy crisp, clean air during a walk in the woods or crystal clear water during a day at the beach?

Naturally, we all have special memories of Northern. Let's make sure the next generation does, too.

**Barry Axelrod '69 BA, President  
NMU Alumni Association**

## DID YOU KNOW...

The Alumni Association's weekly e-update, "What's New, NMU?", is a great way to receive the latest news and updates about Northern along with details about alumni events in your area.

Subscriptions are free. All you need is an e-mail address and Internet access. Updates arrive in your e-mail inbox each Monday.

"What's New, NMU?" is just one of the many benefits made possible by Alumni Association membership.

Stay connected to Northern. Subscribe today at [www.nmu.edu/alumni](http://www.nmu.edu/alumni).

## Upcoming Alumni and Marquette Area Events

DATE	EVENT
June 6	Green Bay Golf Outing, Green Bay, Wis.
July 11	Redford Golf Outing, Redford, Mich.
June 18	Rusielewicz Golf Outing, Holly, Mich.
June 23	Wildcat Club/Alumni Association Golf Outing, Marquette
June 24	NMU Alumni Association Spring Meeting, Marquette
July 2-4	International Food Festival, Marquette
July 4-9	Pioneer Days, Negaunee
July 30-31	Art on the Rocks/Outback Art Show
August 10-14	Finn Grand Fest 2005, Marquette
August 20	Ore to Shore Mountain Bike Epic, Marquette
Sept. 16-17	NMU Homecoming 2005, Marquette
Dec. 12-16	U.S. Speedskating Short Track Championships, Marquette

For more information on any of the above events, contact the NMU Alumni Association at 1-877-GRAD-NMU or [alumni@nmu.edu](mailto:alumni@nmu.edu).



# Scholarship to aid water science majors

**F**ew things in life gave **David Rautiola '96 AS** more pleasure than standing hip-deep in a stream, taking in a crisp new morning while chasing the elusive steelhead. He loved fishing, and he loved water.

As a tribute to his love of water, **Heather Rautiola '95 Cert., '96 AS** has created the David J. Rautiola Annual Water Science Scholarship in honor of her husband, who died in July 2004. A graduate of NMU's wastewater management program, David spent his career as a wastewater treatment plant operator.

"Dave and I had talked about creating a scholarship someday, so this seemed appropriate to do," said Heather, who resides in Grand Rapids. "Dave loved the Marquette

area. He loved the water up there. It seemed so fitting to give back to Northern this way, especially after talking to one of the NMU professors who expressed how much such a scholarship would mean to the water science program."

The Rautiola Scholarship will be awarded to an NMU student majoring in water science. To be considered for the award, candidates must submit a paper explaining why they wish to pursue a water science-related career.

"This scholarship will be a great help to students who pursue the major. This is the first scholarship available to NMU water science students, and we really appreciate the Rautiola family's generosity," said NMU chemistry professor



David Rautiola

Eugene Wickenheiser.

Northern's water science program is an interdisciplinary degree opportunity that allows students to understand water pollution, quality, and environmental systems through the application of biology, chemistry, and geography.

# Silk joins Foundation staff

**A**bout five years ago at a turkey processing plant in Grand Rapids, Amy Silk (right)



put on waders, a lab coat, safety glasses, and a hard hat, and prepared to get to work. While it might sound odd to some, it's just one of the many aspects of a university development professional's job.

Silk is the new director of NMU Foundation operations.

"A key part of the job is visiting alums. I often get to visit them at their places of business or employment. Frequently that involves a tour of the facility. Touring the turkey processing facility was one of the

most unusual experiences I've had," said Silk, who came to NMU from Central Michigan University, where she worked as a development officer for the College of Business Administration since 1999.

At NMU, Silk manages the day-to-day operations of the NMU Foundation, which oversees the fundraising efforts of the university.

"Joining the Northern team is an opportunity to really have an impact on building a relatively new development program," Silk said. "The Foundation and Alumni Association staffs are very engaged and dedicated to the work they do here. I also am excited about the vision President Wong has for NMU. And, I really like snow. Marquette is a beautiful city."

As the mother of two college-age daughters, Silk will have a chance to experience NMU from a parent's perspective. Her oldest daughter Hailey attends as a guest this summer before returning to CMU for her junior year, and her youngest daughter Alison enrolls as a Northern freshman this fall.

Silk is a 1975 graduate of Michigan State University, where she received a degree in retail marketing and management/fashion merchandising.

"I have a passion for learning and education, and how it significantly impacts an individual and the world. I also love the joy giving brings to the donor as well as to the recipient. It truly is a two-way relationship."

## Foundation reorganizes giving societies

The NMU Foundation has simplified its giving societies to recognize lifetime giving and commitment to annual giving.

The society to recognize lifetime giving will be known as the President's Society. A donor becomes a member when his or her lifetime contributions to NMU surpass \$10,000. The President's Society has four levels: member (\$10,000 to \$49,999), bronze member (\$50,000 to \$99,999), silver member (\$100,000 to \$499,999), gold member (\$500,000 to \$999,999), and platinum member (\$1 million and above).

The 1899 Society will honor donors who have given for 10 consecutive years, regardless of the size of their gifts. Memberships to the NMU Alumni Association, affinity clubs, or gifts to WNMU radio or television are not included since those affiliations already provide benefits and recognition.

The 1899 Society is especially designed to recognize those who consistently contribute to the NMU Annual Fund, whether the gifts are designated to a particular department or program, or are undesignated for use to assist with the university's most critical needs, according to Martha Van Der Kamp, executive director of advancement.

"Where would we be without those who choose to invest in large ways in Northern students, faculty, staff, and programs? Certainly not ranked among the best in the Midwest as we now are. We also wouldn't be where we are without those smaller, heartfelt gifts that, added together, are critical to NMU in so many ways. Both types of giving are equally appreciated by Northern and will now be equally recognized," Van Der Kamp said.

## Devos Art Museum dedicated



Andy Gregg '93 BFA

Dan and Pamela DeVos (pictured at left) attended the official dedication of the DeVos Art Museum on April 15.

The museum, formerly known as the NMU Art Museum, was located in Lee Hall until January, when the addition to the Art and Design building was completed. The new museum features two galleries—one for rotating exhibits and the other for exhibits from NMU's permanent collection.

The museum's renaming is in honor of a \$1 million gift by the Dan and Pamela DeVos and the Richard and Helen DeVos Foundations, both of Grand Rapids, during *This Decisive Season: The Campaign for Northern*

*Michigan University*, NMU's first-ever comprehensive fundraising effort from 1996-2003 that realized \$36.6 million in private giving to the university.

Dan was a member of the NMU Board of Trustees from 1995-2003 and served as chair from January 2001 until his term expired in December 2003.

## Northern celebrates Reynolds Recital Hall dedication with gala concert

Phyllis Reynolds (center) cut a ceremonial ribbon along with NMU President Les Wong (left) and Don Grant, head of the NMU Music Department, to officially dedicate the Reynolds Recital Hall on April 19. The ribbon cutting was followed by a gala concert featuring four student ensembles and soprano soloist **Valerie Errante '80 MME**.

The recital hall is named in honor of the Phyllis Reynolds family of Marquette, long-time supporters of NMU. Reynolds was a major contributor during *This Decisive Season*.



Bill Sampson



Jim Godell

## Foundation offices get a makeover

The NMU Foundation and Alumni Association offices have a new look thanks to a generous furniture donation from Steelcase Inc. of Grand Rapids. The new furnishings are part of the company's Metro line and create an elegant and welcoming reception area for alumni and friends of Northern.

Steelcase president and CEO James Hackett has an honorary degree from NMU, and Brian Cloyd, director of corporate relations, currently serves on NMU's Board of Trustees. Cloyd is pictured (center) with NMU president Les Wong and executive director of advancement Martha Van Der Kamp.

## 2x6x52x6 equals number one for Wildcat skier

Every sport is shrouded in superstition. Nordic skiers are known for practices such as fingernail painting, talking to their skis, and finding “lucky boots.” But NMU skier Lindsay Williams doesn’t buy into the supernatural. Her only pre-competition ritual is bringing soy nut butter on road trips—just for the pleasure of eating.

Williams believes the key to being a successful skier is hard work. That’s what earned her a gold medal in the women’s classic sprint at the U.S. Cross Country Championships and a berth on the 2005 World Championship Team. She is the first female from Northern to win a national title.

Williams trains according to the 2x6x52x6 plan—twice a day, six days a week, 52 weeks per year for at least six years. That’s what it takes, according to NMU coach **Sten Fjeldheim ’86 BS, ’93 MA**, for an athlete to realize his or her full potential.

“If an athlete is unwilling to participate in this plan, then there is no place for them on the team, no exceptions made,” said Fjeldheim. “I don’t care how much natural talent they have, the kid with the hard work ethic eventually wins the race.”

In addition to having high standards for training, the NMU ski program is also adamant about its athletes maintaining good grades. “It is a struggle, but I don’t let it get me down,” said Williams, a junior sports medicine major. “I just remember that I can’t ski all the time—I need to have some education in there, too, to keep my brain activated.”

Much like the hills she trains on, becoming successful at the elite level has been a series of ups and downs for Williams. Originally from Hastings, Minn., she grew up with skiing. Her parents cross country skied and would often make trails in the yard for her to follow. There were also a few small trails near her house that she skied on, but she said she didn’t really get into it at the time.

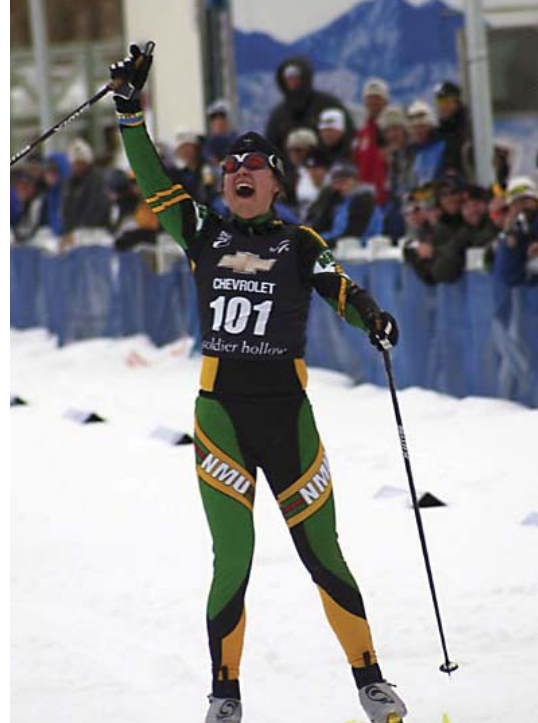
“I thought that was all skiing was—just a short, slow, three-hour trip around a loop.”

She became attracted to the sport when some friends talked her into trying out for the ski team during her freshman year in high school. Williams failed to make the squad that year, but she went with them to a competition downstate and watched the team race.

“I was sitting in the snow watching that race and the girl from our team just flew by,” said Williams. “I wanted to do that. That was when I realized that I wanted to be the best at skiing.”

That summer, Williams began training and developing her skills, and the next year she made the team and began skiing competitively for the first time.

She spent her first collegiate season refining her skills in preparation for the Junior World Championships as a sophomore. Williams took 15th in the world in the women’s 5-kilometer skate race and was only 10 seconds away from making the podium. Since then, she has won several junior national titles in sprint as well as distance events.



Lindsay Williams after her first place finish at the U.S. Cross Country Championships.

“If you look at the NMU ski team, they are all so close to each other in the races that it’s hard to say that any of them are all that different when it comes to performance,” said Fjeldheim. “However, Lindsay is very good at remaining focused and relaxed at the biggest competitions.”

Williams has been invited to join the U.S. Ski Team, but her immediate plans are finishing her bachelor’s degree and possibly beginning a master’s degree program in sports medicine. The Olympics and World Cup competition are in her sights for the future. In 2014, she will be 29—the average age of most medal winners in skiing—and Fjeldheim is confident that by then her skills and experience will put her at the highest caliber and maybe in medal contention.

“NMU has blessed me with awesome teammates and coaches and helped me go further with skiing than I thought I’d ever go,” said Williams. “It’s been great fun the entire time.”

—Becky Kratz

## USOEC receives federal funding

Congressman Bart Stupak (D-1st) helped the USOEC secure \$440,000 in federal funds as part of the Fiscal Year 2005 Omnibus Appropriations bill signed by President George Bush in December.

The bill also called for the continuation of the B.J. Stupak Olympic Education Scholarship program, which provides funds to current and future Olympians to attend college while training for the elite levels of their sports. The scholarship program received \$988,000.

"We are grateful to Congressman Stupak and the entire Michigan delegation for their efforts in support of student athletes at the USOEC," said NMU President Les Wong.

Northern's contribution toward USOEC operations has dropped substantially due to recent campus-wide cost-saving measures in response to cuts in state higher education funding. NMU now provides \$80,000 to the USOEC, which represents the net tuition revenue of center athletes attending the university. Jeff Kleinschmidt, director of the USOEC, said that the federal assistance takes the pressure off the operational funding for at least the next five years.

"Nearly 100 student athletes will now be able to continue their education while training to represent all Americans at the Olympic Games and other elite competitions," he said.

The scholarship program is named in honor of the congressman's late son. Student athletes are eligible for a grant up to the full cost of attendance, not to exceed \$20,000 annually. They must attend a post-secondary institution on at least a half-time basis and meet all rules regarding eligibility for financial aid.

## USOEC turns 20, becomes host of Speedskating Olympic Trials

The United States Olympic Education Center (USOEC) has been chosen to play host to the 2006 U.S. Speedskating Short Track Championships in December. The competition will determine which skaters will represent the United States at the 2006 Winter Olympic Games in Torino, Italy, Feb. 10-24.

The championships will take place at the Berry Events Center on NMU's campus Dec. 12-16.

"Our nation's best short-track skaters will come to Northern Michigan University to compete for the right to represent the USA at the greatest athletic competition on Earth: the Olympic Games," said NMU President Les Wong in accepting the successful bid. "To U.S. Speedskating and to the athletes who are training so hard to reach the Olympic dream, thank you for allowing us to be a part of your quest for gold. We are honored."

The championships will be the final event of the USOEC's year-long 20th anniversary celebration, which began Feb. 9 with the NMU Olympic Challenge, a sports extravaganza of intrasquad competition held in the Superior Dome before a crowd of 1,200 spectators from across the Upper Peninsula. The event marked the date in 1985 that NMU was selected as the home to one of the U.S. Olympic Committee's four training sites. Today, it remains the only education center where elite athletes train as potential Olympians while simultaneously working on their high school and/or college degrees.

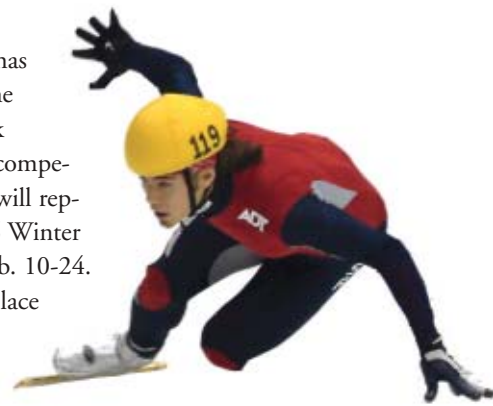
The USOEC was awarded the speedskating championships bid after a lengthy selection process that began in April 2004. Andy Gabel, president of U.S. Speedskating, said the USOEC was chosen based on the success it had in hosting the 2003 World Cup in Marquette.

"We know that the competition is in good hands with the staff at the USOEC and the people of Marquette County," Gabel said. "We have enjoyed an excellent partnership with NMU for the past 20 years, and this event is an extension of that mutually beneficial relationship. The USOEC has a strong reputation for hosting quality events, including the 2003 World Cup, which was clearly the best-organized short track event in the world last season."

The Short Track Championship event is mandatory for all prospective Olympians. About 50 skaters are expected to meet the qualifying standard necessary to compete. Time trials will be held Monday. Races Tuesday, Thursday, and Friday will determine the Olympic team.

Ticket prices and packages will be announced this summer and will be posted on the USOEC Web site at <http://usoec.nmu.edu>.

—Cindy Paavola '84 BS



Apollo Ohno skating at the 2003 World Cup meet held at NMU's Berry Events Center.

## Tell us what's happening in your life

Keeping Track is generated by your submissions and is open to all alumni. Send your submission to the NMU Alumni Association, Northern Michigan University, 1401 Presque Isle Avenue, Marquette, Michigan 49855; e-mail to [horizons@nmu.edu](mailto:horizons@nmu.edu); or send via the Web at [www.nmu.edu/horizons](http://www.nmu.edu/horizons). If you would like to include a picture with your submission, please send a print or digital photograph with a resolution of at least 300 dpi.

[WWW.NMU.EDU/HORIZONS](http://WWW.NMU.EDU/HORIZONS) ■ [HORIZONS@NMU.EDU](mailto:HORIZONS@NMU.EDU)

## Pre-1960s

**James Welte '59 BS** of Menominee and his wife, **Carole (Beaudoin) '59 BS** arranged a 12-day tour of Russia last June for themselves and seven NMU alumni: **Barbara (LaPointe) McCarthy '60 BA**, **Lorraine (Debernardi) Moore '60 BS**, **Connie (Schwemin) Barto '61 BS**, **Nancy (Goldsworthy) Zink '61 BS**, **Paul Suomi '62 BA '72 MAE**, **Carole (Schwemin) Fritsch '63 BS**, and **Robert Beaudoin '70 BS**. This was the Weltes' ninth trip to Russia.

## '60s

**Phyllis (Wood) Senske '66 MA** of Rapid City was re-elected for a second term (2005-06) as a Kalkaska County Commissioner. After retiring from Up North Publications, she acquired a small flock of sheep, whose wool she uses to spin and weave.

**L.E. Ward '66 BA, '67 MA** was selected for inclusion in the *International Who's Who in Poetry* and named one of its "Best Poets of 2004." Ward has published six poetry books. He writes both poetry and prose and is also a film historian.

**A. Frans Heideman '67 BA** of Alexandria, Va., is the president of the New Dominion Capital Group. [fheideman@att.net](mailto:fheideman@att.net)

**David Kivela '67 BS** of Greenville retired in June 2004 from the Greenville Public Schools, where he

taught 6th grade social studies and science for 37 years. He also coached basketball and track for more than 30 years. In retirement, David and his wife Libbie plan to spend a lot of time with their three grandchildren. [coachk@charter.mi.net](mailto:coachk@charter.mi.net)

**Robert O'Keefe '67 BS** of Columbus, Ohio, is retired from the U.S. Army and is currently working for the State of Ohio Veterans' Programs. [okeefr@odjfs.state.oh.us](mailto:okeefr@odjfs.state.oh.us)

## '70s

**David Beaumont '70 BS** of Williamsburg, Va., is a navy petty officer 1st class with the Reserve Sailors of Naval Expeditionary Logistics Support Force. He is in the middle of a routine, scheduled deployment to Camp Patriot, Kuwait. Beaumont's unit is working with the Army to provide critical combat logistics support to soldiers and marines in Iraq and Kuwait for Operation Iraqi Freedom.

**Loren Wagner '70 BS** of Mazomanie, Wis., retired in 2003 after teaching earth science for 32 years in the Middleton-Cross Plains School District in Madison. [slawag@merr.com](mailto:slawag@merr.com)

**Diane (Lundin) Benjamin '71 BA '76 MAE** of Doha, Qatar, is a school consultant with Mosaica Education. She retired as an elementary school principal from Lake Orion Community Schools in 2001. [dbenjamin@mosaicaeducation.com](mailto:dbenjamin@mosaicaeducation.com)

**Jules Chopp '71 BS** of Lowell, Ind., was selected for inclusion in the 2005 edition of *Who's Who Among America's Teachers*. He is completing his 28th year as a mathematics teacher at Finley Junior High in Chicago Ridge, Ill. [juleschopp@yahoo.com](mailto:juleschopp@yahoo.com)

**Gary Lewinski '71 BS** of Marquette and his wife Barb retired in March 2005 after 33 years in the bar and restaurant business, 27 of which were as the owners of Whiskers Spirits and Eatery. The Lewinskis took over the North End bar in 1978, remodeled it over the four-week Christmas break, and reopened it as Whiskers on Jan. 13, 1979. Four years later, they built an addition and remodeled the existing interior and exterior. In 1994 they gave Whiskers another face lift, and it became a sports bar with 12 televisions and a dining room. "Now," Gary writes, "we can relax!" [gary49855@aol.com](mailto:gary49855@aol.com)

**Mike Busch '72 BS** of Roseville was recently inducted into the Detroit ASA Softball Hall of Fame. He was a member of the Budweiser/Nothdurf Tool Softball Club, which won six consecutive national championships (1985-1990). He was named 1st team All-America in 1985-1987 and averaged .651 in six ASA National Championships (84-129) with 15 home runs. Mike is a business consultant with the Macomb/St. Clair Workforce Development Board. [mikeb@macomb-stclairworks.org](mailto:mikeb@macomb-stclairworks.org)

**Richard Huggins '72 BA** of Friendswood, Texas, received a master's degree in education administration from Prairie View A&M University of Texas in May 2001. He works in transportation for the Metropolitan Transit Authority. [rchrhuggins@aol.com](mailto:rchrhuggins@aol.com)

**Mark Vanderlist '72 BA** of Big Rapids retired in June 2004 after 32 years with Mecosta-Osceola Intermediate School District. He now works part-time for Thumb Educational Services of the MOISD. He monitors special education programs and services within the district. [mvanderl@tucker-usa.com](mailto:mvanderl@tucker-usa.com)

**Diane (Redman) Skewis '73 AT** of Negaunee is a registered radiation therapist with Marquette General Health System. After she graduated from NMU, she attended Henry Ford Hospital School of Radiation Therapy in Detroit and graduated at the top of her class. Her son Thomas is currently an NMU student. "We are proud to be an NMU family." Ladydi50@chartermi.net

**James Baer '75 BS** of Purcellville, Va., was recently hired by Hill International, Inc., in Washington, D.C., as a senior project manager to perform contract quality management consulting for the National Institutes of Health's National Institute of Allergies and Infectious Diseases. His duties include overseeing the design and construction of the national and regional biocontainment laboratories in the United States. randybaer@hillintl.com

**Dee Hubbard '75 BS** of Marquette returned to the city after 24 years on the East Coast and joined the practice of OBGYN Associates.

**Steven Rogers '75 BS** of Manistee is serving as president of the Hiawatha Club, a 1,200-member, 36,000-acre sportsman's club in the Eastern Upper Peninsula near Naubinway. Steven retired from teaching and the Department of Natural Resources in 2002. srogers@manistee.org

**Bess (Bonville) Davis '77 BS** of Peachtree City, Ga., recently made an NMU connection after reading in her son's high school newsletter that the new nurse at the high school clinic is a Northern alum. "I had to meet her. On the way to the high school to introduce myself to **Carolyn (Puuri) Caspary '76 BS** I was thinking, 'Carolyn is probably some recent NMU graduate who could care less about meeting older alumni.' Well, Carolyn was as excited as I was to meet another Northern grad and someone from the U.P. We started comparing notes and Carolyn lived in West Hall from fall 1973 to spring 1975. I lived in West

Hall from fall 1973 until I graduated in 1977. Carolyn and her family moved to Peachtree City in 1988 when her husband was hired by Delta Airlines. We moved here in 1997 when my husband was hired by Delta." It's a small world!

**Gregg Hothem '77 BA** of Loveland, Ohio, is vice president of Hills Communities, Inc., a Cincinnati-based company that builds upscale homes. ghothem@cinci.rr.com

**Glen Johnson '77 BS** of Plainfield, Wis., moved to central Wisconsin in 2003 after a long career in lower Michigan in the human services field. He has been appointed director of the Waushara County Human Services Department. "I love the new area, staff, and community. It is a significant shift from lower Michigan and most welcome. I love being able to still be actively involved in programs serving children and families. A special thanks to **Bob Deppen '79 BS**—I made him help move me to Wisconsin! Making this change has been very rewarding and creates a new journey in life for me."

johnsong@uniontel.net

## '80s

**Rick Diebold '80 BS** of Ellsworth recently earned a doctorate in education from Eastern Michigan University. He is the deputy superintendent of the Charlevoix-Emmet Intermediate School District in Charlevoix. His wife **Jenny (Lacker) '80 BS** teaches kindergarten in Ellsworth. They have two children: Rick, 20, and Karin, 17. dieboldr@torchlake.com

**Ann Verme '80 BA** of Minneapolis, Minn., received a juris doctorate from Hamline University School of Law in May 2004. She was admitted to the Minnesota State Bar and practices law in Minneapolis. Ann is a former Munising resident.

**Eric Wurmlinger '80 BS** of Post Falls, Idaho, and his wife Rosalynn own and

operate the River Cove Bed and Breakfast, which they opened in 1991. www.therivercove.com

**Lori Juntila '81 BS** of Owasso, Okla., obtained a master's degree in health promotion from Oklahoma State University in 1999. Lori has worked for the University of Colorado, Rogers State University, and Tulsa Community College. She also held an internship in the NMU Registrar's Office, which led to her current position as an academic adviser at Oklahoma Wesleyan University for the adult and graduate studies program.

**Jerry Wilson '81 MAE** of Commerce is an educator with the Oxford area community schools. starclipper30@hotmail.com

**Frank Buscher '82 BA** of Memphis, Tenn., has been named dean of the School of Arts at Christian Brothers University in Memphis. fbuscher@cbru.edu

**James Cook '82 BS** of Bronson is the emergency preparedness coordinator for the Branch-Hillsdale-St. Joseph Community Health Agency. jbcCook@cbpu.com

**Greg Goetz '82 BS** of Wausau, Wis., left Wausau Insurance Company after 22 years to start a new agency in Wausau. Insurance Associates is based in Green Bay, Wis., and expanded to Wausau in July 2004. ggoetz@ia.bz

**Mark Johnson '82 BS** of Las Vegas, Nev., was named director of marketing and communications by the American Gem Society, which educates consumers and holds jewelers to the highest standards of professionalism and ethics.

**Laura (Elliot) Brabec '83 Cert.** of Stephenson works for Bay Area Medical Center in Marinette, Wis., as a registered nurse in surgical services. For five years, Laura has also been chairperson of the Menominee County Parent Advisory Committee, which reaches out to parents of special needs children with resources and support

## KEEPING TRACK

systems. She has two sons, Derek, 18, and Steve, 17, and has been married to her husband Bob for four years.

**Kim Hatch '83 BS** of Grand Haven resigned her full-time position as human resources administrator for auto supplier Johnson Controls in Holland in 2001 to focus her attention on her family. In April 2002 she had the opportunity to return to education as a GED instructor and discovered how much she missed it. "It has been an experience working with young adults who have lost their way, and I would like to think that I am having a positive impact on their lives." quality90@hotmail.com

**Jeffrey Mead '85 BS** of Scotts Valley, Calif., is a global account manager with networking equipment provider Bel/Stewart Connector. jmead83456@aol.com

**Mary Dettloff '86 BS** of Lansing was hired as the press secretary for the Michigan Department of Natural

Resources in February 2005. Previously, she served as the deputy press secretary for Governor Jennifer Granholm.

**Sherrie (Heintz) Renaud '86 BS** of Holly accepted the 2004 Innovations in Healthcare award given by the National Kidney Foundation of Michigan for her company, Fresenius Medical Care, for advances in nocturnal dialysis. She was recently promoted to area manager I, and is in charge of six dialysis clinics in Owosso, Flint, Saginaw, Bay City, and Tawas. Her husband **Tom '73 BS** teaches building trades at Hartland High School. Their two sons, Neil and Peter, look forward to playing hockey for NMU after high school graduation. "It was gratifying to see the Cohodas' sponsoring a lecture series on diversity. As an undergrad I remember listening to Elie Wiesel speak at NMU. What a profound impact he had on my views of racism and equality. Go Cats!" renaudholly@juno.com

**Denise (Maynard) Huotari '87 Dipl.** of Iron Mountain is a paraprofessional

in marketing and graphics for the Dickinson-Iron Technical Education Center.

**Raymond Bowerson '88 BS** of Standish received the Non-Custody Employee of the Year award at Standish Maximum Correctional Facility. Ray has been employed at SMF for 14 years and is currently the classification director. He is married to **Christine (Schultz) '90 BS**, with whom he has seven children. rrb@sch-net.com

**Toni (Gervae) Jandron '88 BS** of Negaunee is an associate vice president and regional compliance manager with Wells Fargo Investments.

**Beth (Sprague) Strong '88 BS** of Alpena has three children. She says now that all three children are in school, she has started graduate work in education.

**Lori (Beltz) Abbott '89 BS** of Arlington Heights, Ill., teaches science at Buffalo Grove High School. labbott@d214.org

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# Filming 'Ghost of the Big Timber'

NICK VAN COURT '04 BS

What started out as a senior project for former broadcasting student Nick Van Court turned into a feature television production. "Michigan's Gray Wolf: Ghost of the Big Timber" premiered in December on WNMU-TV as part of the station's annual fundraiser.

The documentary, about the pros and cons of the wolf recovery in Michigan, was co-produced by Van Court and communication and performance studies professor Dwight Brady.

"I was trying to get into wildlife documentary, and this project allowed me to do just that," Van Court said.

Brady became involved initially to help Van Court write grants for the project.

"But when the money came in, the expectation level started to rise beyond what could be accomplished in a typical senior project," said Brady. "Creating a broadcast-quality documentary of this nature is a major undertaking, and I knew Nick would need help. Between the two of us, we devoted nearly 1,000 man-hours to this project through grant writing, research, script development, shooting, and editing."

The duo spent almost a year creating the film, recapturing the history and biology of the wolf. Most of the 45-minute documentary focuses on an overview



Producers Dwight Brady (left) and Nick Van Court at work on "Michigan's Gray Wolf: Ghost of the Big Timber."

of the issues surrounding the wolf population in the Upper Peninsula. They conducted 20 interviews with wolf experts, sportsmen, farmers, and animal rights groups affected by the growing U.P. wolf population. "We try to give voice to all of those constituents," Brady said.

Brady said that some people have negative opinions about wolves, and the film helps to dispel some of the myths. For instance, while Brady and Van Court were filming wolves just a few feet away from each other, the wolves brushed up against their legs.

"It basically demonstrates that wolves are typically not aggressive against humans," Brady said.

It could take a very long time to get enough footage of wild wolves in their natural environment to support a script, so Brady and Van Court traveled to the Wildlife Science Center in Forest Lake, Minn., where they filmed wild wolves in an enclosure.

The current wolf population

in the U.P. is at 360 according to the 2004 winter count, and the first case of a wolf returning to Lower Michigan was documented in October, when one of the animals was trapped and shot near Alpena. Brady said biologists estimate that at one time, nearly 800 wolves lived in the U.P.

Wolves were originally wiped out in the Lower Peninsula by 1910 and all but extinct in the U.P. by 1960. A reintroduction of four wolves from Minnesota to the U.P. was attempted in 1974, but all four died within a year. Biologists say the current population in Michigan has resulted from wolves naturally dispersing from Minnesota and Canada into the Upper Peninsula.

Public TV 13 shows few student-produced films, said Bruce Turner, the station manager at WNMU-TV, but the wolf documentary turned into a major project, and it fit the station's effort to show locally produced programs about and for the Upper Peninsula during the fundraiser.

The documentary garnered Van Court and Brady a Michigan Association of Broadcasters 2004-2005 Broadcast Excellence award for best news special. It also was recently picked up for state-wide broadcast on all Michigan PBS stations.

—Kristi Evans

**Alisa (Vento) Anderson '89 BSN** of Livonia is the nurse manager of the Nurse Call Center at Huron Valley Ambulance in Ann Arbor. Her husband **Jon '89 BS** is a 5th grade teacher at Fiegel Elementary School in the Plymouth-Canton Community School District. The couple has two daughters, Amy and Sarah. Every year, Jon travels to India, the country of Sarah's birth. The Andersons frequently visit Marquette and family members who live in the area. [aanderson@hva.org](mailto:aanderson@hva.org)

**Keith King '89 BS** of Studio City, Calif., the first United States Olympic Education Center athlete to graduate from Northern Michigan University, returned to Marquette to celebrate the USOEC's 20th birthday with some of the USOEC athletes and coaches. Through the USOEC, King was able to train as a member of the United States national short track speedskating team from 1987-94 while working toward his undergraduate pre-law degree. He is now a litigator for the International House of Pancakes at its Glendale, Calif., corporate headquarters. [keith.king@ihop.com](mailto:keith.king@ihop.com)

## '90s

**Rod LaFleur '90 BFA** of Chicago, Ill., is a loan officer for First Metropolitan Mortgage. [rlafleur@1stmetro.net](mailto:rlafleur@1stmetro.net)

**Michelle (Hiebel) Todzy '90 BS** of Appleton, Wis., and her husband Roger welcomed their first child, Nathan Roger, into their family in September 2004.

**Gregory Hayes '93 BS** of Elmhurst, Ill., and his wife Mary celebrated the birth of their first child, Alina Rose, in January 2005. Greg was recently named a partner at the law firm of DLA Piper Rudnick Gray Cary US LLP. [gregory.hayes@dlapiper.com](mailto:gregory.hayes@dlapiper.com)

**Michael Wetzel '93 MA** of Lansing teaches writing composition classes at Lansing Community College. He is also the founder and director of Shepherd's

Purse, a nonprofit ministry to help homeless children in Russia and Ukraine. He has traveled to Perm and Ufa, Russia, and to Kherson, Ukraine. He will be taking teams back to Ukraine in May and August. [info@shepherdspurse.org](mailto:info@shepherdspurse.org)

**Mark Treado '94 BS** of Sault Ste. Marie is the recreation director for the Michigan Department of Corrections. "GO CATS!"

**Gary Campioni '95 BS** of Flint is a field admissions representative for Lincoln Technical Institute. [gcampioni@msn.com](mailto:gcampioni@msn.com)

**Eric Dobson '95 BS** of Benbrook, Texas, is currently a biotechnology major at the University of Texas at Arlington. [ERDBnrk@aol.com](mailto:ERDBnrk@aol.com)

**Jennifer (Holland) Sorenson '95 BA** of Bloomington, Minn., is an IT business analyst for the Donaldson Company. She and her husband Keith have a two-year-old daughter, Jenna. [jsorenso@mail.donaldson.com](mailto:jsorenso@mail.donaldson.com)

**Leah (Berglund) '96 BS** and **Jeff Halvorson '96 BS** of Laurel, Md., are the proud parents of Henry George Halvorson, who joined his sister Natalie in January 2005. Jeff is a lead contractor with Northop Grumman, and Leah is on leave from her 5th grade teaching position in the Howard County Public Schools. [lcbhalvorson@cablespeed.com](mailto:lcbhalvorson@cablespeed.com)

**Brian Poshak '96 BS** of Green Bay, Wis., is a program cost manager for Marinette Marine. [bposhak@hotmail.com](mailto:bposhak@hotmail.com)

**James Schneider '96 BS** of Wixom teaches 7th grade language arts for the Novi Community School District. [jschneider@novi.k12.mi.us](mailto:jschneider@novi.k12.mi.us)

**Rene Ribant-Amthor '97 BS** of Armada is a teacher for the Chippewa Valley School District. She also earned a master's degree in humanities from Central Michigan University. [Ribant2574@sbcglobal.net](mailto:Ribant2574@sbcglobal.net)

**Nicole (Craft) Bradshaw '99 BA** of

Portage is a senior technical writer at the Parker Hannifin Corporation, which manufactures motion and control technologies and systems.

**Erik Johnson '99 BS** of Midland is an environmental scientist with McDowell & Associates. [mcdjohnson@prodigy.net](mailto:mcdjohnson@prodigy.net)

## '00s

**Dana Moore '00 BS** of Traverse City is a youth counselor for Michigan Works. [dmoore@nwm.cog.mi.us](mailto:dmoore@nwm.cog.mi.us)

**Veronica Wajda '00 BA** of St. Charles, Ill., received a master of arts degree in 2002 from the University of Minnesota-Duluth. She works in the public schools as a speech-language pathologist and serves on the Illinois State Speech, Language, and Hearing Association school affairs committee.

**Bradley Babcock '01 BS** of Dumfries, Va., has been employed with the Fretz Corporation as a district sales manager since 2002. He is responsible for the sale of Sub-Zero/Wolf brand appliances around the metro Washington, D.C., area.

**Steven Webb '01 BS** of Chicago, Ill., is a sales support manager with W.W. Grainger, a repair parts and supplies distributor. [swebb12@hotmail.com](mailto:swebb12@hotmail.com)

**Bradley Nyman '02 BS** of Neenah, Wis., is a sales agent with American Express Property Casualty. [bradley.j.nyman@aexp.com](mailto:bradley.j.nyman@aexp.com)

**Benjamin Ranta '02 BS** of Watertown, N.Y., is a company executive officer in the U.S. Army.

**Layla Wright '02 BS** of Chevy Chase, Md., is a weather/entertainment on-air personality for the Entravision Communications Corporation. [layla\\_w@hotmail.com](mailto:layla_w@hotmail.com)

**Raphael Bennett '03 BS** of Chicago, Ill., developed technology coined and patented as VR4 digital movement technology, which allows virtual tours of any environment. Raphael is the president and CEO of Entertainment

Life (EntLife Imagery).  
rbennett@entlife.com

**Jed Friedrich '03 BS** of St. Peter, Minn., was hired last summer as the head coach of men's and women's cross country running and Nordic skiing teams at Gustavus Adolphus College.

**Julie (Bingham) Hendrickson '04 MPA** of Hancock is a budget analyst at Michigan Technological University.

**Brett Perucco '04 BS** of Charlotte, N.C., is a career and technical education business teacher for the Charlotte-Mecklenburg School District.  
bperucco@alumni.nmu.edu

## Marriages

**Glen Brown '73 BS** to Kathleen Miller.

**Diane Gladwell '91 BS** to John Illikainen.

**Jean Opolka '91 BS** to Chris Hale.

**Bobbi Houg '92 AB** to **Craig Rice '97 Dipl.**

**Michael Rota '92 BS** to Kathy Lynn Smith.

**Jason Lehman '94 BS** to Amanda Lauer.

**Michelle Moyer '95 BSN** to Michael Pascoe.

**Marlo Guizzetti '96 BSN** to Chad Manley.

**Heather Willey '96 BS** to Eric Coddling.

**Kathleen Chouinard '97 AS** to Charles Enright.

**Jeff Engle '97 BS** to Kristin Pruitt.

**Jeff Fisher '97 BS** to Anna Bell.

**Jason Krol '97 AS** to Jennifer Kolberg.

**Kirsti Longhini '97 BS** to **Michael Brunet '02 BS.**

**Rene Rimbant '97 BS** to Scott Amthor.

**Jennifer Rappazini '98 BS** to Craig Biekkola.

**Jeffrey Carlson '99 AAS** to Rhonda Sieglaff.

**Barrett Cooke '99 BS** to Vera Drecun.

**Chad Coolman '99 BS** to Lisa Radzibon.

**Nicole Craft '99 BA** to Bryan Bradshaw.

**Lisa DeMilio '99 BS** to **James Harmon '01 BS.**

**Leanne Dowdy '99 BS** to **Roger Trudeau '04 BS.**

**Erik Johnson '99 BS** to Courtney Wells.

**Peter Ruokolainen '99 BS** to Tanya LaJoie.

**Joseph Scholl '99 BS** to Jennifer Wahl.

**Leah Johnson '00 AB** to Gavin Rourke.

**William Johnson '00 BS** to **Megan Scherer '00 AB.**

**Heather Perttula '00 BS** to Craig Austin.

**Allison Poisson '00 BS** to Douglas Garceau.

**Jennifer Rogers '00 BSN** to Brian Turek.

**Jeremy Smith '00 BS** to Jean Mercier.

**Karl Thomsen '00 BS** to Emily Veaser.

**Heather Asgaard '01 AB, '02 BS** to Brian Hart.

**Bradley Babcock '01 BS** to Julie Dennis.

**Wendy Bancroft '01 BS** to Jonathan Blum.

**Julie Beaudry '01 BS** to Buck Ingersoll.

**Katherine Darmogray '01 BSN** to Chad Cartwright.

**Sarah DeGrand '01 BS** to Andrew Johnson.

**Angela Dudzinski '01 BS** to Michael McCarthy.

**Christopher Hartman '01 BS** to **Tara Reddinger '03 BS.**

**Jennifer Larson '01 BS** to Shawn Reichel.

**Debra Lowes '01 AB** to Cory Hocking.

**Benjamin Waterman '01 AAS** to Laura Stolper.

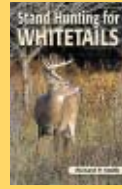
**Shane French '02 BS** to Tamara Houghton.

**Holly Harris '02 BS** to Brad Muscoe.

**Caryn Kauppila '02 BSN** to Peter Clements.

## ALUMNI IN PRINT

### Stand Hunting for Whitetails



Stackpole Books, 2004

**Richard P. Smith '72 BS**

This book is a comprehensive guide on how to be consistently successful while hunting from a ground-based position or a tree stand with a gun or a bow and arrow. One chapter is devoted to the author's experience guiding baseball star Wade Boggs to a trophy buck while hunting from a ground blind.

## ALUMNI ON CD

### Worth the Weight



The Flat Broke Blues Band, 2005

**Lorrie Hayes '83 BFA, '86 MA; Mike Letts '84 BFA; Walt**

**Lindala '90 BS; Mark Johnson '94 BS, '99 MA; and Jim Cohen**

Marquette-based Flat Broke Blues Band takes the influences of blues, rock, soul, and R&B and creates a sound that respects the tradition of the blues but also pushes its contemporary bounds. *Worth the Weight* features 12 tracks, including 10 Flat Broke original songs.

### Life: It's All About Love, Loss and Laughter



**Joe Hellberg '95 BME, 2004**

This CD is a combination of original music and country standards. Each of the seven original songs written by Hellberg were inspired by things that have happened in his life and range in genre from country to pop and from jazz to rock.

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**Gregory Kretovic '02 BFA** to Leah Pomeroy '03 BS.  
**Jason Lawson '02 BS** to Erin Mueller.  
**Anita Mattson '02 BS** to **Bradley Ray '02 BS**.  
**Jessica Pach '02 BS** to Dan Korpi.  
**Brianne Weber '02 BS** to Walley Helmila.  
**Jessica Bowerman '03 BS** to Seth Kelto.  
**Stephanie Campbell '03 BS** to Daniel DePetro.  
**Sarah Churack '03 Cert.** to Nicholas LaMere.  
**Katie Clement '03 BS** to Zachary Quinnell.  
**Ragen Forstner '03 BA** to **Scott Toennesen '03 BS**.  
**Leah Gussert '03 BS** to Damon Lawver.  
**Elizabeth Haupt '03 BS** to Kevin Carr.  
**Kurt Hedstrom, Jr. '03 BS** to **Cynthia**

**Knoebel '03 BS**.  
**Katie Heino '03 BSN** to Joshua Menard.  
**Ryan Hernalsteen '03 BS** to Toni Bielas.  
**James Hewitt '03 BA** to **Melissa Pericolosi '04 BS**.  
**Brian Anderson '04 BS** to Danielle Doney.  
**Julie Bingham '04 MPA** to Scott Hendrickson.  
**Shari Holmgren '04 AB** to Robert U'Ren.  
**Elizabeth Jeske '04 BS** to Matthew Thomas.  
**Janelle Meyer '04 BA** to Alexander Franz.  
**Gregory Moyle '04 BS** to Katherine Zinis.  
**Pam Niemela '04 BSN** to Jim Reynolds.

## Deaths

**Clara Dierickx '24 LC '50 BS**, March 1, 2005, Norway.  
**Margaret (O'Grady) Korten '34 LC '40 AS**, Feb. 2, 2005, Lancaster, Pa.  
**Stephen Paul '36 BA**, Dec. 28, 2004, Marquette.  
**LuVerne (Phillips) Geizer '39 LC**, St. Lucie, Fla.  
**John Sundquist '41 BS**, Oct. 18, 2004, Stephenson.  
**Virginia (Peterson) Junttila '43 BS**, March 8, 2005, Calumet.  
**Gordon Mudge '47 BA**, Jan. 7, 2005, Yuba City, Calif.  
**Alfred Hakala '48 BS**, Nov. 25, 2004, Canton.  
**William Mitchell '49 BA**, Nov. 29, 2004, Sister Lakes.  
**Earl Bye '51 BS**, Oct. 8, 2004, Alpena.

**John Truden '51 BA**, Dec. 4, 2004, Marquette.

**Arne Kortema '52 BS**, Nov. 6, 2004, Bootjack.

**David Freeman '53 BS**, Dec. 27, 2004, Marquette.

**Kenneth Pekuri '53 BS**, Dec. 28, 2004, Champion.

**Merrill Detroit '57 BS**, Dec. 25, 2004, Marquette.

**Ernest LaRoue '58 BS**, Dec. 26, 2004, Newberry.

**Kathryn (Kressin) St. Arnauld '60 BA**, Jan. 15, 2005, Eau Claire, Wis.

**Claude Leinonen '61 BS**, Jan. 16, 2005, Covington.

**Olga (Autio) Erickson '62 BA**, Jan. 30, 2005, Fullerton, Calif.

**John VanBrocklin '63 BS '67 MA**, March 8, 2005, Negaunee.

**Peter Williams '63 BS**, Aug. 14, 2004, Pittsfield, Maine.

**William Kerkes '67 MA**, Feb. 24, 2005, Minocqua, Wis.

**Sandra (Lampinen) Armstrong '68 BS**, Jan. 7, 2005, San Bruno, Calif.

**John DaPra, Jr. '68 BS**, Feb. 13, 2005, Marquette.

**Dennis McArthey '68 BA**, March 14, 2005, Wisconsin Rapids, Wis.

**Carmen (Barbiere) Anderson '69 BS**, Jan. 21, 2005, Munising.

**Gerald DeMarse '71 BS**, Feb. 22, 2005, Marquette.

**Dale Berglund '72 BS**, Dec. 9, 2004, Marquette.

**Phyllis (Tatman) Bucholtz '72 BS**, Dec. 30, 2004, Lubbock, Texas.

**Michael Gustafson '75 BS**, Feb. 16, Streamwood, Ill.

**Karen Tollefson '78 BS**, Jan. 30, 2005, Livonia.

**William Popps '79 BS**, Jan. 19, 2005, Escanaba.

**Stephen Britz '82 BS**, March 14, 2005, Sault Ste. Marie.

**Maxine Nordstrom '84 AB**, Aug. 17, 2004, Punta Gorda, Fla.

**Robert Carlson '88 MA**, Feb. 17, 2005, Ontonagon.

**David McNeill '90 BS**, March 4, 2005, Gwinn.

**John Benz '92 BS**, Nov. 6, 2004, Westville, Ind.

**Christine Burnette '93 BS**, Feb. 25, 2005, Marquette.

**Mark Negri '94 AS**, Nov. 8, 2004, Marquette.

**Keith Olson '95 BS**, Feb. 18, 2005, Chassell.

**Jean (Takalo) Huttunen '97 AB**, Feb. 10, 2005, Pelkie.

## Friends

William "Joe" Blake, Dec. 8, 2004, Marquette. He was known for being the voice and color commentator for Northern's hockey and volleyball programs.

Alfred Niemi, Feb. 1, 2005, San Diego, Calif. Alfred taught geography at Northern for 26 years before retiring as professor emeritus in 1980.

## Tell us what's new in your life

Stay in touch with your alma mater! Tell us your exciting news or personal updates so we can put it in Keeping Track. Attach a separate page if you have a lot to say or don't want to write this small.

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**Year of Graduation:** \_\_\_\_\_ **Major:** \_\_\_\_\_

**Home Phone:** \_\_\_\_\_

**Business Name:** \_\_\_\_\_

**Business Phone:** \_\_\_\_\_

**Occupation:** \_\_\_\_\_

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# A River Runs Through Marquette

By CHRIS FRIES '80 BS, '88 MAE



Chris Fries is the coordinator of vocational support services at NMU.



Remnants of the Tourist Park Dam.



The newly created Tourist Park Falls.

More photos and information on the initiative for a free-flowing Dead River can be found online at [spaces.msn.com/members/freeflowingdeadriver.com](http://spaces.msn.com/members/freeflowingdeadriver.com).

**NORTHERN PERSPECTIVE** is a guest column open to all alumni, friends, faculty, and current students of Northern Michigan University. We welcome your personal essays, anecdotes, opinion pieces, short-short fiction or fiction excerpts, poetry, or images. Not all submissions will make it into the magazine, and *Horizons* will not return submissions without a self-addressed, stamped envelope. Text may be edited for space and clarity. If you would like to make a submission to Northern Perspective, send it by e-mail to [horizons@nmu.edu](mailto:horizons@nmu.edu), through the *Horizons* Web site at [www.nmu.edu/horizons](http://www.nmu.edu/horizons), or by mail to Editor, *Horizons*, Northern Michigan University, 1401 Presque Isle Avenue, Marquette, Michigan 49855. Photographs should have a resolution of at least 300 dpi.

*"You cannot step into the same river twice..." Heraclitus, 513 B.C.*

On May 14, 2003, the breaching of an earthen dike about thirty miles west of Marquette drained the Silver Lake Basin and started a chain reaction of flooding on the Dead River, which eventually destroyed the Tourist Park Dam and Tourist Park Lake in Marquette. While the Dead River flood caused an unfortunate amount of destruction, it has also opened up an incredible opportunity.

Last summer, the Collinsville Dam, an upstream remnant dam near Marquette, was removed. With both the Collinsville and Tourist Park dams out of the river, more than three miles of natural river ecosystem will be restored.

Citizens for a Free-Flowing Lower Dead River was formed to gather input from community members who do not want to see the dam rebuilt and to educate the community on the benefits of river restoration. The group believes the following benefits will be realized if the Tourist Park Dam is not rebuilt and the lake is not restored:

## Aquatic Resources

- Restoration would provide more than three miles of quality habitat to coho salmon, chinook salmon, steelhead, and, potentially, lake sturgeon.
- A free-flowing Dead River would create a highly desirable urban fishery within the city limits.
- Water quality would be improved by increasing dissolved oxygen and lowering water temperatures—both

important for fish survival.

## Recreation

- A free-flowing river and park environment would maximize the recreational potential for canoeing and kayaking.
- The restored river would attract waterfall enthusiasts.
- Additional land on the old Tourist Park lakebed could be used to create recreational facilities such as walking/biking trails and birding areas.

## Socioeconomics

- Additional recreational opportunities could enhance tourist revenue for the city of Marquette. Fall and spring spawning migrations would bring in anglers and campers who would provide revenue outside of the typical summer tourist season.
- Habitat restoration and mitigation of some lost wetlands may be accomplished by using outside funding sources.
- The Marquette Board of Light and Power, which owns the dam and will make the decision about its future, would save on costs incurred in dam rebuilding, retrofitting (for fish passage), dam maintenance, and/or future licensing compliance.

This is an opportunity for the City of Marquette and the Board of Light and Power to make a national statement about creative river restoration and further enhance the quality of life for area residents.

# 2005 WILDCAT CLUB & ALUMNI ASSOCIATION *Golf Tournament*

Thursday, June 23, 2005  
Marquette Golf and Country Club

Put your team together and join  
NMU alumni, friends, former  
athletes, and current Wildcat  
coaches for a fun-filled day on  
the links of the Marquette Golf  
and Country Club.



Northern  
Michigan  
University  
ALUMNI ASSOCIATION



**REGISTRATION:** 11:30 a.m.

**SHOTGUN START:** 12:30 p.m.

**COST:** \$100 per player. Includes 18 holes of golf, refreshments on the course, steak dinner, prizes, and a goody bag. Golf carts will be available.

**NOT ABLE TO ATTEND?** You can still participate and support Northern no matter where you are located.

- Sponsor a hole and advertise your business to fellow Wildcats.
- Donate an item for our silent auction. (All donated items are tax deductible.)
- Provide an item to be included in each golfer's goody bag.

**FOR COMPLETE DETAILS:** Visit our Web site at [www.nmu.edu/alumni](http://www.nmu.edu/alumni).

**YOU MUST REGISTER TO PLAY.**

Contact: NMU Alumni Association  
1-877-GRAD-NMU  
[alumni@nmu.edu](mailto:alumni@nmu.edu)

# HOME COMING 2005

FRIDAY-SATURDAY • SEPTEMBER 16-17, 2005

## FRIDAY, SEPTEMBER 16

- Homecoming Parade on Third Street
- NMU Sports Hall of Fame Induction Ceremony

## SATURDAY, SEPTEMBER 17

- Wellness Run/Walk
- Alumni Awards Brunch
- Wildcat Tailgate Party
- Football—NMU vs. Wayne State
- Fifth Quarter Reception

More details coming soon.

Make your plans today.



[www.nmu.edu/alumni](http://www.nmu.edu/alumni)



## Thanks for the memories...

...of swimming in Lake Superior every August 27th, the Homecoming parade, and the first snow in early October.

For walks around campus under street lamps in the dead of winter, and walks up Third Street on starry nights. For being in a theater production and listening to Dr. Rapport scream and laugh because I made up new lines. The craziness of Spooner Hall.

Thanks for the memories of the banners around town on football Saturday, and fighting for the national football championship but losing by less than four yards.

For the parties in the winters spent skiing, socializing, and losing our way; and the summers spent on campus making up for too much partying.

Thanks for the marvelous instructors who gave so much of their free spirits and wisdom.

The Alumni Association helps keep these memories alive by providing opportunities to see old friends and meet new ones who share a love for Northern. It allows all of us to maintain relationships with classmates and professors that were formed when we were students. Thank you so much.

**Paul E. Goldman '63 BA. Lifetime member of the NMU Alumni Association since 1998.**

# Of course I'm a member.

**Are you? Consider joining the NMU Alumni Association today.**

[www.nmu.edu/alumni](http://www.nmu.edu/alumni)  
1-877-GRAD NMU  
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Photograph of Paul Goldman by Kim Marsh '80 BS.



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