

Boy's wish to see snow comes true in the U.P.

At the time of year when a Yooper's fancy turns to thoughts of Miami, young Rogelio (say Ro-heh-lee-o) Mirabal and his family made the reverse trek last week, traveling from their home in Homestead, Florida, to the Upper Peninsula.

Their trip was courtesy of the Make A Wish Foundation, which makes wishes come true for children with life-threatening conditions. And while the foundation couldn't fulfill his first wish—Rogelio had especially wanted to visit his grandparents in Cuba—volunteers were able to deliver on his second choice: to see "Frosties." So the Mirabals came to Houghton in the heart of winter, where snow people are very much in evidence.

With his aunt Lidia Gonzalez serving as interpreter, Rogelio, who has leukemia, said he liked the snow "very much, especially Frosty." Rogelio and his brother, Daniel, 1-1/2, received several gifts from MTU, including stuffed-animal huskies and a Winter Carnival photo signed by President **Curt Tompkins**. But their favorite present appeared to be the blue-and-gold excelsior packing material, which they immediately and joyfully began flinging up into the air and onto their heads.

The family's Make A Wish trip began with a flight into Iron Mountain on January 27, where the U.P. chapter of the foundation is located. Then they traveled north to serious snow country. Their itinerary included a barrage of winter activities: ice fishing (they caught two trout), sledding, skating, touring the Winter Carnival statues, hot-chocolate-drinking, and snowmobiling. (A worn-out Rogelio took a nap while his parents, Sady and Lazaro Mirabal, had their first snowmobile ride.)

The Mirabals also tried their hand at ice skating, courtesy of **Cheryl DePuydt**, chair of the PE department. "Rogelio didn't want to get off the ice," said **Madeline Mercado Voelker**, the Hispanic-Latino outreach coordinator. "And as long as Daniel saw his big

(Continued on page 2)

We pardon to the extent that we love.

—FRANÇOIS, DUC DE LA ROCHEFOUCAULD

GM provides \$200,000 for MTU partnership project

Submitted by the News Bureau

The General Motors Corporation Foundation has given Michigan Tech \$200,000 to support a corporate partnership program with the University that will enhance the educational experience of MTU students in a variety of disciplines.

"Strong, interactive relationships with its corporate partners have been a priority of Michigan Tech throughout its history," said **James Baker**, associate director of corporate services. "The General Motors/Michigan Tech partnership has been and continues to be a significant and mutually beneficial alliance."

This latest GM gift will support eight different programs. The largest portion of the GM grant, \$100,000, supports the General Motors Energy Laboratory in the ME-EM department. "Courses taught in this advanced lab will reinforce the principles taught earlier in thermodynamics and fluid dynamics," Baker said.

Michigan Tech's Minority Programs will receive \$40,000 to support precollege outreach programs and to enhance Engineering Youth Program Explorations, especially activi-

ties focusing on mechanical and electrical engineering.

The School of Business and Economics will receive \$15,000 to refurbish an existing conference room with multimedia capabilities to be used for student presentations. The room will include a high-quality multimedia computer system, complementary full-scale audio and videotape equipment, projection equipment, and a rear projection "smart board."

An additional \$15,000 will support scholarships for undergraduate students pursuing manufacturing-related studies. Recipients will be selected by Michigan Tech, but GM will provide guidance on the award levels, target populations, and grade point average requirements.

For three years, General Motors has supported a pair of graduate fellowships in the areas of noise, vibration, harshness, and manufacturing controls. An additional \$14,500 is designated for the manufacturing controls fellowship, to develop modeling and feedback control techniques to improve laser-welding processes.

A total of \$8,000 of the GM gift will pro-

(Continued on page 2)

MTU United Way drive tops \$40,000

The final figures are in, and the Michigan Tech community has donated more than \$40,000 to benefit the local Copper Country United Way agencies. This is the second time in as many years that the campaign has exceeded \$40,000 in contributions.

"The fifty campus volunteers are to be commended for their work," says **Cheryl DePuydt** (Physical Education), campus chair. "Without their efforts, we would not have had such a successful campaign. Sixteen local agencies depend on these funds to provide valuable services to people in need in our community."

The Institute of Mineral Processing, led by volunteer **Allison Hein**, achieved 100 percent participation this year.

Volunteers who achieved at least a 50 percent participation rate in their areas are **Roberta Dessellier**, Administration Building fifth floor; **Sue Yrjana**, Administration fourth floor; **Jill Oliver**, Administration third floor; **Kathy Pintar**, Administration first floor; **Grace Schwartz**, Chemistry; **Ted Soldan**, Information Technology; **Betty Gaff**, Meese Center; **Peggy Gorton**, Mining Engineering; **Kurt Huffmaster**, Athletics and Physical Education; **Nancy Johnson**, SBE; and **Willie Melton**, Social Sciences.

The Copper Country United Way gave a special thanks to Mail Services, which, at the last minute, stuffed 20,000 envelopes for the campaign's August mass mailing.

It's not too late to help out. If you'd like to make a donation, contact DePuydt at 487-2994 or cadepuyd@mtu.edu.

A short but heartfelt request from Blue Key regarding proper Winter Carnival etiquette

Please please please stay off the statue sites until after Winter Carnival. Please.

GM gift Continued from page 1

vide support for the six University-sponsored engineering competition teams that have joined together as Michigan Tech Racing Teams: FutureTruck, Solar Car, Formula SAE, SAE Mini-Baja, SAE Clean Snowmobile Challenge, and SAE Aero. These competitions involve nearly 500 students and challenge them to apply their theoretical knowledge while building practical skills.

MTU's Earth Day 2000 program will get \$5,000 to develop and carry out a program that celebrates Michigan Tech's and General Motors' commitment to environmental stewardship. The program will help ensure that the engineering, scientific, and business leaders of tomorrow are aware of and responsive to environmental issues.

The Michigan Tech Career Center will receive \$2,500 annually from GM to support a Web-based system for posting student resumes.

The GM donation will be included in Michigan Tech's Leaders for Innovation Campaign, which intends to raise more than \$100 million for the University by 2003. Featured objectives of the campaign include investing in faculty, students, innovation, leadership, and quality.

Longtime physics faculty members retiring

The Department of Physics is holding a reception for Assistant Professor **Robert Mount**, who retired December 22, and Associate Professor **Don Daavetila**, who will retire February 29.

The reception is set for Friday, February 18, from 2:00 to 4:00 p.m. in the Physics Conference Room. Everyone is invited to stop by and wish them a happy retirement.

Mount began his career at MTU in 1954, while Daavetila started at the University in 1964. Both have served in the physics department since coming to Michigan Tech.

MichiganTech

Bill Curnow, executive director, University Relations
Marcia Goodrich, *Tech Topics* editor
Gail Sweeting, electronic marketing assistant

To get *Tech Topics* via e-mail, send a message to
MAJORDOMO@MTU.EDU saying SUBSCRIBE TECH-TOPICS-L

Information to be included in *Tech Topics* should be submitted to the *Tech Topics* editor in one of the following ways:

- By e-mail to ttopics@mtu.edu
- By campus mail, send typed copies to *Tech Topics*, University Relations.

Each week, the deadline for submitting information is **Friday at 5:00 p.m.** for publication the following Friday.

A perspective on Perspectives on Inquiry

Center for Teaching, Learning,
and Faculty Development



By William Kennedy, director

Advertisers and music- and movie-making megaconglomerates are putting more and more energy into

connecting with the emotional side of younger and younger potential consumers. They reach our youngsters through music videos, children's television shows, motion pictures, and the associated integrated marketing campaigns that influence what our kids wear, what they will and won't eat for breakfast, how they solve problems, and even what they will come to value. The exploitation of the young to fuel the profit hunger of these conglomerates has even turned toddlers into the latest marketing targets.

The impact of all of this became clearer to me as I entered the classroom to teach my *Perspectives on Inquiry* pilot section, *Understanding Human Conflict*. I was quite pleased with myself as I approached the lectern and introduced myself. "Let's take a minute to get to know one another," said I. "Tell me a little about yourself and why you selected this class."

As we went around the room it became quite clear that the reason they were taking the class was to avoid taking another English class like the one they had in high school. Second, they made it clear that the reason they selected my section was not because of the topic or their sense of social conscience, but because it fit into their schedules.

I laid out the course, defined some terms, put forward some goals, and told them to get the textbook and read the first few chapters for the next class. The text, a social psychology primer on conflict called *Understanding Violence*, seemed like a good choice to get us started. The book is jammed packed with parenthetical references, stats, charts, and data tables, and is written in the carefully reasoned and delimited style of most scientific prose; readable, but not *People* magazine.

The students returned the second day complaining that the author seemed constipated or confused because she couldn't seem to make a point and then stick to it. This launched us into a long discussion on reasoning, establishing arguments, evidence and authority, the scientific method, survey v. experimental research, validity and reliability, and the politics of law enforcement and data collection. By the end of the session, the honeymoon in *Perspectives*, if not

over, had given a passing thought to an annulment.

By the time they had read half the book, most were begging me to find something else for them to read. I capitulated and passed out a cleverly crafted letter to the editor from the *Chronicle* from a hard-nosed physicist who was incensed that a philanthropist was sponsoring interdisciplinary courses to find connections between religious and scientific inquiry. I asked the students to analyze the arguments that the physicist was making and determine if they were consistent with what we had discussed about the hallmarks of reasoned inquiry.

The papers they submitted fell neatly into two camps. The first camp argued, more or less, that the physicist was obviously demon-possessed, rendering his arguments valueless and dangerous. The second camp agreed with the physicist and expanded his position well beyond the point of absurdity based on what they saw as the obvious truth that all religious thought is feeble-minded and outdated.

I then presented the students with the arguments for answering violence with non-violence from the Sermon on the Mount, Tolstoy, Gandhi, and King and asked them to explain how people who professed to subscribe to transcendental ethical systems could find themselves participating in anything as horrible as the Holocaust. The cumulative position they took in their papers on this question was, "Yeah, that is weird, isn't it?"

We finally connected for a few moments when I came to realize that their world view is an exclusive amalgamation of things they have heard from their folks, watched on TV, or seen in a fictional motion picture released in the last two years. We have no common literary basis and few shared experiences to which I am willing to admit. They are creatures of the silver screen, and I am a dinosaur of the Dewey Decimal System. They were born in 1982 and I can't remember 1982.

Last week, I did the only decent thing. I took them to the library, and the reference librarian began to show them how to look stuff up without relying on MTV, or the Web, or Mom, or Dad.

The good news is they seem to be intrigued by my determination to overcome these initial obstacles. They are willing to work with me. I must admit, I am getting to know many of them in ways I wouldn't have in a traditional class. Maybe that's part of the point of it all.

Seeing snow Continued from page 1

brother on the ice, he wanted to be there, too."

"They got more than they expected," Voelker said. "Their dad was saying, 'I thought that in winter people don't do anything, but I can see there are lots of things to do.' Everything went really well; it was lots of fun."

Faculty scholarship grants announced

The following Faculty Scholarship Grants have been awarded at the recommendation of the Faculty Scholarship Grant Committee. The recipients, their proposals, and their awards are

- **Jeffrey Bell-Hanson** (Fine Arts), "Research/Performance Project," \$3,500
- **Jurgen Bierbrauer** (Mathematical Sciences), "Codes and Their Use," \$2,500
- **Elizabeth Flynn** (Humanities), "Feminism Beyond Modernism/Reading Sites/Care and Justice," \$1,000
- **Glenda Gill** (Humanities), "No Surrender! No Retreat!" \$600
- **Sonia Goltz** (SBE), "Fighting the Good Fight," \$2,500
- **Ulrich Hansmann** (Physics), "Toward Reliable Computer Simulation in Protein Folding," \$2,000
- **Dana Johnson** (SBE), "Business Performance Improvement After QS-9000," \$3,500
- **David Landon** (Social Sciences), "Preparation of a Monograph-Carp River Iron Forge," \$2,800
- **Larry Lankton** (Social Sciences), "Migration of the Brockways and Other New Englanders to the Keweenaw," \$2,500
- **Jong Lee** (MME), "Travel Support for Invited Presentation at Xi'am, China," \$1,500
- **Barbara Lide** (Humanities), "Strindberg and the Presence of Irony," \$3,000
- **Ann Maclean** (SFWP), "Attend Training Session to Learn ArcInfo GIS," \$2,500
- **Kurt Paterson** (Civil and Environmental Engineering), "Computer-Based Learning Modules as an Environmental Engineering Fundamentals Textbook Companion," \$3,000
- **Wayne Pennington** (Geological Engineering and Sciences), "Workshop on Seismic Signatures of Fluid Transport," \$1,575
- **Adrian Sandu** (Computer Science), "Numerical Insights in Atmospheric Modeling," \$900
- **Cindy Selfe** (Humanities), "Technological Literacy in America, 1978-2000," \$3,500
- **Jennifer Slack** (Humanities), "Culture and Technology: A Primer," \$3,200
- **William Sproule** (Civil and Environmental Engineering), "Planning and Design of Airports," \$2,000
- **Craig Waddell** (Humanities), "And No Birds Sing," \$235
- **Charles Young** (Geological Engineering and Sciences), "Non-Invasive Sensing of Soil Properties," \$4,410

New environmental engineering text gets nat'l recognition

After only one year in publication, a textbook inspired by an introductory environmental engineering course at MTU is gaining a national foothold.

Fundamentals of Environmental Engineering (John Wiley & Sons, Inc., New York), authored by Associate Professor **James Mihelcic** with contributions by five other environmental engineering faculty members and a former grad student, has been adopted by seventeen universities, including Rensselaer Polytechnic Institute, Rutgers University, and the University of Michigan.

This text arose from a team-teaching effort, Department Chair **Bob Baillod** said. A group of instructors taught one of the required engineering courses, *Fundamentals of Environmental Engineering*, and they would all attend the lectures.

In doing so, they fixed what many students find wrong with team-taught courses. "They can be disjointed, with one teacher not knowing what the others are doing," Baillod said. "In this case, each of the teachers appreciated what the others had to offer, which led to a compilation of notes that were coordinated into a textbook."

Their teamwork shows in the quality of the

book. "Often when you have many authors, they use different nomenclature and are repetitive," he said. "This is very well coordinated."

The contributors are associate professors **Richard Honrath** and **David Hand**, assistant professors **Noel Urban** and **Judith Perlinger**, and PhD graduate **Michael Penn**, now an assistant professor at the University of Wisconsin-Platteville.

With an admittedly small sample (one review), *Fundamentals of Environmental Engineering* has earned a five-star rating at amazon.com. According to environmental engineering undergraduate **Aaron Hilshorst**, who used the text at MTU and submitted the review, "It is well written and well laid out. Great examples help to clarify and expand on points made in the text. . . . All in all an excellent book for the beginning environmental engineer as well as a handy companion for the engineer already out in the field. Dr. Mihelcic is an excellent author along with all the other professors who helped out."

Students aren't the book's only beneficiaries. "It's giving Michigan Tech a lot of recognition," Baillod said. "It's good for visibility, and it's good for our graduates."

Geo alumnus endows SEG student section

Bill Barkhouse, who received a BS in Applied Geophysics from MTU in 1976, has created an endowment to support the MTU Student Section of the Society of Exploration Geophysicists (SEG)

Barkhouse, now a member of the department's academy, has pledged \$5,000 directly to the SEG Foundation and designated it to support MTU's student section. With a \$2,500 match from the SEG Foundation, his contribution endows the payment of SEG membership dues annually for a faculty sponsor and ten or more student members. These members receive the SEG's professional publications and a number of other membership benefits.

At the invitation of the student section, Barkhouse visited MTU last weekend and gave two seminars on January 29.

While he was a student in 1974, Barkhouse was instrumental in starting the Michigan Tech Student Section of SEG, which has operated continuously since its founding. He is currently serving a one-year term as the president of the SEG. The SEG has about 16,000 members in 105 countries.

Barkhouse has worked with Mobil Oil Company in a variety of positions and subsidiaries over the past twenty-four years, and is currently the coordinator of Global Strategic Directions, Geoscience Technology Development, ExxonMobil Exploration Company.

Proposals in progress

Investigators, their proposals, and their potential sponsors are

- **Judith Wells Budd, Sarah Green, Charles Kerfoot, and Casey Huckins** (RSI), "Episodic Events and Trophic Pulses: Estimating Surface Chlorophyll Concentration and Transport Using SeaWiFS and MODIS Imager," NASA
- **Ghatu Subhash** (ME-EM), "GOALI: Investigation of the Influence of Processing, Grain Size, and Strain Rate on Fracture Characterization of Ultrafine Grain Ceramics," NSF
- **Sheila Grant** (Biomedical Engineering), "Development of a Novel Method to Pattern Biomolecules for Dual Receptor Biosensors," Rockefeller Brothers Fund
- **Ulrich Hansmann** (Physics), "Thermodynamics of the Helical Proteins Studied by Generalized-Ensemble Algorithms," Petroleum Research Fund
- **Michael Roggemann** and **Jeffrey Burl** (Electrical Engineering), "Optical Tracking and Wavefront Control in the Presence of Turbulence-Induced Scintillation, Phase II, SBIR," Mission Research Group/USAF
- **Margaret Gale** (SFWP), "Wetland and Production Ecology Program," USDA, McIntire-Stennis

(Continued on page 5)

Black History Month features exhibit, concert

February is Black History Month, and the Educational Opportunity Department will be recognizing this event with a week-long celebration of the contributions of African Americans to history.

Betty Chavis, coordinator of outreach/multiethnic programs, will be hosting an exhibition in the Memorial Union Ballroom of literary works, fine arts, and other artifacts that reflect African American culture. The exhibit, titled "Heritage and Horizons: The African-American Legacy and the Challenges of the Twenty-first Century," will be open daily, Monday-Friday, February 7-11, from 10:00 a.m. to 4:00 p.m.

In addition, the Echoes from Heaven Gospel Choir, under the direction of choir-master **Inetta Harris**, will perform in the ballroom on Thursday, February 10, at 4:30 p.m. as part of the celebrations.

Everyone is invited to drop by the exhibit and attend the concert. For more information, contact Chavis or Sandy Henkel at 487-2920.

Computer classes

The following computer training workshops will be offered at dL Education Center in February 2000. To register, contact the CPDQI office (487-2416 or rwchrist@mtu.edu). When you reserve a space, please include the account number to be interaccount billed for the session. You will be notified via e-mail with your confirmation.

Cost of half-day sessions is \$60. Full day sessions are \$120.

- Access level 2, Tues., Feb. 8, 9 a.m.-noon
- Access level 3, Tues., Feb. 15, 9 a.m.-noon
- Excel level 1, Thurs., Feb. 10, 9 a.m.-noon
- Excel level 2, Thursday, Feb. 10, 1 to 4 pm
- Excel level 3, Tuesday, Feb. 15, 1 to 4 p.m.
- HTML, Tuesday, Feb. 22, 9 a.m. to 4 p.m.
- PowerPoint, Thurs., Feb. 17, 9 a.m.-4 p.m. (Additional fee of \$25 for PowerPoint manual for a total of \$145)
- Publisher 98, Tues., Feb. 29, 9 a.m.-noon
- Word level 1, Thurs., Feb. 24, 9 a.m.-noon
- Word level 2, Thurs., Feb. 24, 1-4 p.m.
- Word level 3, Tues., Feb. 29, 1-4 p.m.
- WordPerfect level 2, Fri., Feb. 11, 9 a.m.-noon

dL Education Center reserves the right to cancel classes. If you have registered for a course but will not be able to attend, cancellations must be made 48 hours in advance of the course date, or you will be billed full price for the course. If you have been billed for a cancelled class, you may attend the same class the following month at no charge.

If you have any questions, call 487-2416.

Tech Tea: The Michigan Tech Fund at work

Submitted by University Cultural Enrichment

Every year Michigan Tech receives donations from corporations, foundations, businesses, and alumni and other individuals. They are in effect investing in students through scholarships and fellowships; in faculty through endowed chairs and lecture-ships; in innovation through classrooms, laboratories, and equipment; in leadership through university enrichment; and in quality through facilities and equipment. In addition, many buildings on campus are funded by major donations. Fifteen million of the \$20 million cost of the Rozsa Center for the Performing Arts, for example, came from private donors, a record in Michigan Tech's history.

These much-needed gifts don't suddenly appear; they are the result of much hard work on the part of the people at the Michigan Tech Fund. **Kimera Maxwell Way**, executive director of the Michigan Tech Fund; **Gail Mroz**, director of finance and operations; **Erin Minne**, director of foundation relations; and **Sandy Lewin**, director of prospect research; will be the guests at Tech Tea Time on Wednesday, February 9, when they will give a presentation about the Fund and how it plays an important part in supporting the University. Tech Tea Time is at 4:00 p.m. in the Memorial Union Alumni Lounge. The event is free and open to the public. Light refreshments will be served.

Way will discuss the mission of the Michigan Tech Fund in its role as MTU's official agency committed to increasing private resources to benefit Michigan Tech. She'll describe the current Leaders for Innovation

Campaign and how the results of that effort will benefit to the campus community.

The Tech Fund includes seven development professionals who are assigned to specific campus constituencies, as well as directors of planned giving, foundation relations, and annual gifts. They are supported by staff who assist with research, accounting, and many other tasks connected with the smooth running of a complex organization. Mroz will review the responsibilities of staff members and discuss the types of accounts (funds) within the structure. She'll outline the tax advantages of donating to a 501c(3) non-profit organization, present financial reports showing donations for the year, and discuss the Fund's investment policy and performance.

Projects like the Knight Foundation Grant, which will allow hundreds of area students to experience performances in the Rozsa Center during its first year, are Minne's responsibility. She will define what a foundation is and describe services the Fund can provide to members of the campus community who are interested in seeking foundation funding.

Lewin will present an overview of prospect research, which is the identification and research of sources of funding for the University from corporations, foundations, and individuals. Research is conducted using a variety of resources, including University files, online databases, and journals.

Tech Tea Time is coordinated by University Cultural Enrichment. For further information call 487-2844.

KSO to present nationally recognized oboist

Nancy Ambrose King, first-prize winner in the 1995 Third New York International Competition for Solo Oboists, brings the much-loved sound of her instrument to the University Theatre on Saturday, February 12, at 8:00 p.m., and Sunday, February 13, at 3:00 p.m. She joins the Keweenaw Symphony Orchestra in a concert that conductor **Jeffrey Bell-Hanson** describes as "a joyful encounter between two lively and inventive cultures, American and Bohemian, with a nod to Bach, musical grandfather of us all."

The program features King in two works, the Concerto for Oboe by Czech composer Bohuslav Martinu and a double concerto for oboe and violin by Johann Sebastian Bach, which she will play with KSO concertmaster **Eric Lawson**. The orchestra will also honor American composer Aaron Copland in his centennial year with his *Outdoor Overture*, and present Symphony No. 8 in G Major by the greatest of all Czech composers, Antonín Dvořák.

King is associate professor of oboe at the University of Illinois in Urbana-Champaign and principal oboist for the Pine Mountain Music Festival Orchestra, Sinfonia da Camera, and Hot Springs Music Festival Orchestra. As a soloist, she has appeared throughout the US and abroad, including appearances with the New York String Orchestra, the Sinfonia da Camera, and the American Academy of Music in Rome. She has been heard as soloist on WQXR radio in New York City and NPR's *Performance Today*, has recorded two solo CDs for Boston Records, and can also be heard in performances on the Athena, Arabesque, Naxos, and CBS Masterworks labels.

Tickets are available from MTU box offices for \$12 general, \$4 students (\$1 more at the door). Tickets are also available by phone at 487-3200, or on the Web at <http://www.tickets.mtu.edu>.

The KSO is sponsored by Michigan Tech, with funding for guest artists from the Michigan Council for Arts and Cultural Affairs.

In print

K. Percy (Canadian Forestry Service), J. Bucher (Swiss Federal Institute for Snow and Landscape Research), J. Cape, H. E. Jones (Institute of Terrestrial Ecology, U.K.), M. Ferretti (Linnaea Ambient Srl, Italy), R. Heath (University of California, Riverside), Professor **David Karnosky** (SFWP), R. Matyssek, G. MullerStarck (Ludwig-Maximilians-Universitat, Germany), E. Paoletti (IPAF-CNR, Italy), et al coauthored "State of Science and Knowledge Gaps with Respect to Air Pollution Impacts on Forests: Reports from Concurrent IUFRO 7.04.00 Working Party Sessions," in *Water, Air, and Soil Pollution*, Vol. 116, No. 1–2 (1999).

Associate Professor **Josiah Heyman** (Social Sciences) published the article "United States Surveillance over Mexican Lives at the Border: Snapshots of an Emerging Regime," in *Human Organization*, Vol. 58, No. 4, Winter 1999.

Research Scientist/Engineer II **Dana Richter** (SFWP) published the poem "Mycorrhizal Fungus Fruiting" in the winter 1999–2000 issue of *Mushroom—the Journal*.

Editor/Analyst **Elwin N. (Mick) McKellar Jr.** (Distributed Computing Services, Information Technology) published the article "Cutting the Wires: Wireless Research at Michigan Tech," in the *ACUTA Journal of Telecommunications in Higher Education*, Vol. 3, No. 4, Winter 1999.

Assistant Professor **Ulrich Hansmann** (Physics) authored an article, "Recent Results from Generalized-Ensemble Protein Folding Simulations," published in *Computer Physics Communications*, Vol. 121–22 (1999).

Assistant Professor **Ulrich H.E. Hansmann** (Physics) authored an article, "Protein Folding Simulations in a Deformed Energy Landscape," which was published in *European Physics Journal B*, Vol. 12 (1999).

Proposals in progress *Continued from page 3*

- **Jiquan Chen, Xinli Wang, and Kimberley Brosofske** (SFWP), "Landscape Responses to a Changing Climate: Scaling-Up and Patching Data Gaps Using Mobile Eddy-Covariance Systems," NIGEC/DOE
- **Jaroslav Drelich and Elvin Beach** (MME), "Investigation of the Effects of Relative Humidity Level on Adhesion Forces between Pharmaceutical Powders and Storage Surface Materials Using AFM," Materials Research Society
- **Jeorgen Bierbrauer** (Mathematical Sciences), "Codes, Caps, and Pseudorandomness," DOD-NSA and NSF
- **Laurent Matuana** (SFWP), "Extrusion Foaming of Wood-Fiber/Thermoplastic Composites," USDA, McIntire-Stennis
- **John Sutherland** (ME-EM), "Characterization of the Role of Cutting Fluids in Drilling," NSF GOALI
- **William Bulleit and Theresa Aulborn** (Civil and Environmental Engineering), "GAANN: Effective Use of Materials in Constructed Facilities," Department of Education
- **John Crittenden, Jim Mihelcic and Richard Honrath** (Civil and Environmental Engineering), "GAANN: Env Eng Doctoral Fellowship Program: Risk Reduction of Persistent and Global Change Compounds," US Department of Education

POSITIONS AVAILABLE AT MTU

Job descriptions will be available
at 1:00 p.m. on Friday, or by e-mail at <JOBS@MTU.EDU>.

The following positions will be posted Friday, February 4, 2000, at 1:00 p.m. through noon, Friday, February 11, 2000, in the Human Resources Office.

Administrative Associate—International Advancement Programs

Academic Advisor—Mechanical Engineering-Engineering Mechanics

Academic Advisor—Mechanical Engineering-Engineering Mechanics (Regular, full-time, nine-month position)

Assistant Food Service Supervisor—Residential Services Dining Services (Regular, full-time, nine-month position)

Senior Secretary N5—Educational Opportunity (UAW external posting)

University employees are reminded to apply in writing prior to noon, Friday, February 11, 2000, to be considered as internal candidates for bargaining unit positions only. Applicants from the recall pool will be given first consideration for non-bargaining-unit positions only. Vacancy announcements are normally posted every Friday at 1:00 p.m. in the Human Resources Office. Complete job descriptions are available in the Human Resources Office or by calling 487-2280. More information regarding employment opportunities is available by calling the Job Line at 487-2895. Michigan Technological University is an equal opportunity educational institution/equal opportunity employer.

Winter Carnival dance Saturday

Everyone is invited to the Winter Carnival dance set for Saturday, February 5, at 9:00 p.m. in the Memorial Union Commons. The dance will feature a live DJ and lots of fun. Tickets are available in the Memorial Union and at the door, \$6 for individuals, \$10 for couples. The Jazz Lab Band will also be playing upstairs.

Questions? Call Blue Key at 487-2818.

February

Black History Month

- 3 Thursday**
6:00/8:30/11:00 p.m.—Film Board Movie (free admission): *Pulp Fiction*—Fisher 135
8:00 p.m.—*Diary of Anne Frank*—University Theatre
- 4 Friday**
6:00/8:30/11:00 p.m.—Film Board Movie: *Chill Factor*—Fisher 135
7:05 p.m.—Hockey, Wisconsin at MTU—MaclInnes Student Ice Arena
8:00 p.m.—*Diary of Anne Frank*—University Theatre
- 5 Saturday**
1:00 p.m.—Women's basketball, Lake Superior State at MTU—SDC
3:00 p.m.—Men's basketball, Lake Superior State at MTU—SDC
5:05 p.m.—Hockey, Wisconsin at MTU—MaclInnes Student Ice Arena
6:00/8:30/11:00 p.m.—Film Board Movie: *Chill Factor*—Fisher 135
8:00 p.m.—*Diary of Anne Frank*—University Theatre
9:00 p.m.—Winter Carnival dance—Keweenaw Commons
- 6 Sunday**
3:00 p.m.—*Diary of Anne Frank*—University Theatre
- 7 Monday**
10:00 a.m.-4:00 p.m.—Black History Month exhibit—Memorial Union Ballroom
3:00 p.m.—Robert Adams, "Issues Related to the Numerical Simulation of Electromagnetic Phenomena for Engineering Applications"—Dow 642
- 8 Tuesday**
10:00 a.m.-4:00 p.m.—Black History Month exhibit—Memorial Union Ballroom
- 9 Wednesday**
10:00 a.m.-4:00 p.m.—Black History Month exhibit—Memorial Union Ballroom
4:00 p.m.—Tech Tea: The Michigan Tech Fund at Work—Memorial Union Alumni Lounge
- 10 Thursday**
10:00 a.m.-4:00 p.m.—Black History Month exhibit—Memorial Union Ballroom
3:00 p.m.—Michael Vrhel, "Color Image Processing"—Dow 642
5:30 p.m.—Women's basketball, Saginaw Valley State at MTU—SDC
4:30 p.m.—Echoes from Heaven Gospel Choir concert—Memorial Union Ballroom
7:30 p.m.—Men's basketball, Saginaw Valley State at MTU—SDC