

January 16, 1998

Learning  
without wisdom is  
a load of books  
on an ass's back.

—Japanese proverb

Vol. XXX, No.17

Michigan Tech will receive another ten-year reaccreditation if NCA follows the recommendations of its evaluation team.

The University hosted a nine-member evaluation team appointed by the North Central Association-Commission on Institutions of Higher Education during a three-day campus visit this week. The team, consisting of faculty and administrators from universities throughout the Midwest, met with numerous University constituencies and reviewed the University Self-Study before issuing their findings during an exit interview January 14.

Phillip Certain, dean of the College of Letters and Science and a professor of chemistry at the University of Wisconsin-Madison, chaired the team and presented its findings to a good-sized crowd of faculty, staff, students, and administrators. The team's recommendations, which will be considered by NCA as it deliberates MTU's reaccreditation, include the following:

- The University's next evaluation should be in 2007–08.
- MTU should submit two reports in 2001, a progress report on academic program review and a monitoring report on the development of distance education programs; and, in 2003, a progress report on a revised general education program.
- MTU's distance education programs in Michigan, as well as its campus-approved programs and courses offered to companies and their subsidiaries at remote sites, should not require NCA approval.

#### THE TEAM ADVISED THAT

- the Board of Control and administration give high priority to improving the salary structure for faculty and professional staff
- the administration develop an economic plan to deal with operating new buildings, improving salaries, converting to semesters, and increasing research
- the Board of Control establish financial policies that preserve MTU's debt rating and long-term financial strength
- the Board of Control open its agenda more to input from students, faculty, and staff, and that it explore other avenues, such as a Web page, to improve communication
- MTU review the practice of transferring auxiliary fund balances to the general fund to assure that improvements can be made in auxiliary operations
- a plan be developed to increase the size of the Memorial Union and its programs
- a senior administrator receive regular input from students, especially about policy issues of student concern
- a plan be developed to increase the size and scope of library resources

#### United Way Campus Campaign sets new record

Michigan Tech employees have donated a record \$39,069 to the Copper Country United Way through the MTU Campus Campaign, up from \$38,522 last year.

The larger total donation was given by fewer employees. A total of 383 MTU faculty and staff contributed during the 1997 campaign, compared to 399 in 1996.

"I'm very pleased with the generosity of the University's faculty and staff," said **Cheryl DePuydt**, campus campaign chair. "I would like to see the number of donations go up—even a small gift can be a big help, if many contribute."

DePuydt commended the fifty solicitors who volunteered their time. "It was a team effort," she said. "Thanks to them and the many big-hearted people at Tech, we set a new record."

#### NCA team recommends

## 10-YEAR REACCREDITATION

- academic and financial planning be further linked to shared governance via University Senate committees
- a broader range of faculty be involved in distance education, and that protocols should be developed for approving distance-ed courses and degrees
- MTU expand and coordinate its efforts in international education and environmental programs
- Michigan Tech develop a plan to promote diversity
- MTU continue periodic reviews of academic programs and research institutes
- Michigan Tech try to bring appropriate industry to the Houghton area

#### AREAS OF CONCERN INCLUDE THE FOLLOWING:

Areas of concern include the following:

- MTU has not addressed concerns raised at its last NCA review, in 1988, regarding the library, and current plans are inadequate.
- The general education program is in flux because of the change to semesters and can't currently be reviewed.
- MTU may not appreciate the implications of attaining Research II status in terms of grants monitoring, environmental monitoring, and additional demands placed on the library.
- The Memorial Union is not large enough and the scope of its student programs is inadequate.
- Delays by the Board of Control in implementing University policies frustrate those who have worked to prepare materials for Board approval.

#### The team also had

#### SOME VERY NICE THINGS TO SAY:

They commended the University for

- recruiting and retaining a talented and committed faculty who have expanded graduate education and research while remaining dedicated to undergraduate education
- attracting bright, articulate, industrious, and fair-minded students who are concerned both for their own intellectual development and the welfare of the institution
- the leadership of senior administration in its commitment to linking academic and financial planning and in major development efforts
- developing shared governance among students, faculty, staff, and administration

Continued on page 5

## Reception January 16 for Octave DuTemple

The School of Business and Economics is sponsoring a reception for **Octave DuTemple**, SBE executive-in-residence, on Friday, January 16, from 4:30 to 6:00 p.m. in Memorial Union Ballroom B-1. All members of the University community are invited.

DuTemple, an MTU graduate in chemical engineering, has been honored with the Board of Control Silver Medal (1987), is a member of the Chemical Engineering Academy (1995), was also honored with a Distinguished Alumni Award, and received numerous other honors.

DuTemple served as a pilot instructor for the armed forces and was on active duty with the US Air Force during World War II. He retired as executive director of the American Nuclear Society (ANS) in 1990. DuTemple continues to work as a consultant to ANS and fund-raiser for special projects. For nine years prior to his appointment with the ANS, DuTemple worked as a chemical engineer in the Chemical Engineering and Chemistry Divisions at the Argonne National Laboratory. Under his guidance and involvement, ANS has established local sections in Austria, France, Italy, Germany, Brazil, Japan, Ghana, Taiwan, and Korea. Affiliation agreements have also been negotiated with Israel and Argentina.

DuTemple played a major role in establishing an international nuclear technology transfer conference in Iran in 1977. The second conference followed in Argentina in 1982, and a third one in Spain in 1985. Upon his retirement from ANS, he received the Samuel B. Shapiro Award presented annually to a chief executive officer of an association for "outstanding service and management." In 1992 the ANS headquarters in LaGrange Park, Illinois, were dedicated in his name.

DuTemple has a great interest in archeology, particularly that associated with the old copper culture around Lake Superior. In 1961, he and **R. Roy Drier** of MTU published a book, *P r e h*

For more information, contact Nancy Johnson at 487-2669.

## Give the Friends your old books

The Friends of the Van Pelt Library are soliciting books for their annual book sale, to be held April 14–15.

"Please donate your used and/or unread books, fiction or nonfiction, hardback or paperback," FOL member **Kim Hoagland** said. "We'll take them all."

Either deposit them in the box in the library foyer or, if there are too many for you to carry, call Ellen Seidel (487-2899, [eseidel@mtu.edu](mailto:eseidel@mtu.edu)) or Bob Marr (487-2899) to arrange for pick-up.

You will be donating your books to a good cause. The Friends of the Van Pelt Library use the profits from this book sale to fund the renewal of the paperback collection in the library, as well as to buy books for the general collection and undertake other good works on behalf of the library.

For more information, contact Hoagland at 487-2113 or [hoagland@mtu.edu](mailto:hoagland@mtu.edu)

## Stone to lecture on engineering ethics Jan. 20

**David Stone**, chair of the Department of Electrical Engineering, is the guest speaker at the "Leadership and Ethics in Action Presentation" set for Tuesday, January 20, at 7:00–9:00 p.m. in M&M U115. All members of the University community are welcome.

## TECH TOPICS

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- 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.

Our URL is <http://www.sas.it.mtu.edu/urel/ttopics/index.html>

## FOL announces travel grant award

The Friends of the Van Pelt Library have given their first MTU Research Travel Award to a University of Michigan graduate student.

David Salmanson will use the \$500 grant to travel to Houghton and continue his research using the MTU Archives and Copper Country Historical Collections. He is studying Cold-War era uranium mining, including Calumet & Hecla's uranium mining operations in Grants, New Mexico.

Salmanson will visit MTU in March and will give a talk on his research linking Michigan copper and New Mexico uranium mining.

The Research Travel Award was established in 1997 to encourage and support research in the MTU Archives and Copper Country Historical Collections. For further information on the award, or for details on joining the Friends of the Van Pelt Library, please contact Kim Hoagland at 487-2113, [hoagland@mtu.edu](mailto:hoagland@mtu.edu)

## Free workshops for parents of pre-teens

A series of four workshops for the parents of sixth and seventh graders will be offered Wednesday evenings starting January 21.

"Skills for Successful Parenting of Young Adolescents" focuses on a variety of issues that parents face with adolescents and gives information about stress, community resources, and a normal adolescence.

The workshops are sponsored by the wellness program and the EAP. They are free for MTU employees and their spouses, courtesy of the EAP. For others, the cost is \$3 each or \$10 for all four sessions. Sessions will be held January 21 and 28, and February 4 and 11, at 6:30–8:30 p.m. at the CCMH Institute, at 900 West Sharon Avenue.

To register or for more information, contact the institute at 482-4880 by Monday, January 19.

## Faculty development/teaching grants available

The Center for Teaching, Learning, and Faculty Development is seeking funding proposals that benefit MTU faculty and teaching assistants in the following areas:

- developing or improving courses or course sequences (not including curriculum revision associated with conversion to semesters).
- developing and applying innovative teaching methods or approaches
- developing interdisciplinary instructional initiatives
- the development of teaching and learning with technological methods or approaches
- professional and personal development of faculty and teaching assistants (e.g., speakers, workshops, seminars that further knowledge, as well as programs concerning retirement planning, grant-writing, tenure and promotion, leadership/administrative training)

Awards of up to \$500 will be given to fund proposals that primarily benefit an individual faculty member, TA, or a small group of faculty and/or TAs.

Awards up to \$1,500 can fund proposals that primarily benefit faculty or TAs within a department or that would appeal to a narrowly defined audience from several departments.

A maximum award of \$3,000 will be given to fund proposals that primarily benefit a campus-wide constituency of faculty or TAs, not specific to one or a small number of academic disciplines.

The proposals will be funded via the Faculty Development Committee Grant. All members of the MTU educational community are invited to submit proposals. Application forms for the FDC funds are available by contacting the Center for Teaching, Learning, and Faculty Development (487-2046, [nsseely@mtu.edu](mailto:nsseely@mtu.edu)). Applications are also available on the center's Web site at [www.admin.mtu.edu/ctlfdf/](http://www.admin.mtu.edu/ctlfdf/)

The deadline for submitting proposals is Friday, February 6.

(NOTE: The vice provost for research, through the Scholarship Incentive Grant Program, supports faculty development involving scholarly interests such as research projects, travel support for certain workshops and seminars, and the writing of textbooks and books associated with research. Proposals related to these activities should be submitted to the vice provost for research and not to the center.)

## India's 50th anniversary of independence celebrated at Tech Tea Time

The 50th anniversary of Indian independence will be commemorated at Tech Tea Time on Wednesday, January 21, at 4:00 p.m. in the Memorial Union Alumni Lounge. The MTU Indian Students Association will present a program celebrating India's independence, dating from the end of British colonial rule in 1947 to the present.

It has been a remarkable time during which India has overcome many problems, such as tremendous diversity of culture and economic difficulties to emerge as one of the fastest-developing nations in the world. The program will include a slide show, music, dance, and a discussion of India's culture, her struggle for freedom in the past, and the great achievements that have been made during the last fifty years. Indian finger foods will be served and the event is free and open to all.

"During this year, our 50th year of independence, we would like to make a special effort to inform people about our country, to make them more aware of what a fascinating country it is," says **Yadunandan Dar**, president of the Indian Students Association. "India has such an extraordinary collage of so many distinct and diverse cultures. It has a mystique surrounding it that has attracted people from other countries for thousands of years. At the same time, we would like to dispel the ideas of backwardness that some people still associate with India."

The presentation will be a combination of what constitutes the past and present of India and the different types of people, languages, and religions that make up the largest democracy in the world. Topics will also include India's struggle for freedom, economic progress, and the great advances in the fields of science and technology. "We hope to give a better understanding of the Indian people and their culture, and leave the audience with the enthusiasm to learn more about our country," Dar said.

## Human Relations Series features 3 independent films

The 1997-98 Human Relations Series will be showing three movies free to campus audiences.

The first, *Movien*, look at the tragic Tiananmen Square massacre, is scheduled for Tuesday, January 27. *W* *F* *a* *l* *l* *i* choose between the woman she wants and the man who loves her, will be shown on Tuesday, February 17.

The final movie, scheduled for Tuesday, April 28, is the critically acclaimed British production *S* *a* *n* *d* International Film Festival. It's a rich social comedy about a struggling white English woman who is reunited with the half-black daughter she gave up for adoption twenty-seven years earlier. All movies will be shown in Fisher 135 at 8:00 p.m. and admission is free.



Kathleen Neal Cleaver, the former secretary of the Black Panther Party, will be the featured speaker at the Martin Luther King Banquet on Thursday, January 22, at 6:00-8:00 p.m. in the Memorial Union Ballroom.

Cleaver, a law professor at Emory University School of Law in Atlanta, dropped out of Barnard College in the mid-1960s to join the civil rights movement, first through the Student Non-Violent Coordinating Committee (SNCC). In 1967, she became active in the Black Panther Party, serving on its central committee and, in 1967-69, working as the party's communications secretary. In 1969, she joined her fugitive husband, the outlaw activist Eldridge Cleaver, in Algiers, Algeria, working in the Panther's International Section. Their son was born in Algeria in 1969, followed in 1970 by their daughter in North Korea. "I shared my husband's exile, assisted him in all his legal entanglements, and raised our children, while at the same time working as a political organizer, spokesperson, and writer," Cleaver said.

In 1981, after returning to the US, she packed up her children and moved to New Haven, Connecticut, to resume her undergraduate education at Yale, carrying with her a manuscript detailing her experiences, which, she said, lacked "the self-awareness essential to autobiographical writing."

"During the years that followed, as I raised two children on my own, finished college and law school, divorced my husband, sent my son and daughter to college, and practiced law in New York, I was able to gain that awareness."

She is now finishing the manuscript of her memoir, *M e m o i r* teaching courses on torts, the legal profession, and pretrial litigation, as well as a seminar, "Slavery and Antislavery." Cleaver is a member of the Georgia Supreme Court Commission on Racial and Ethnic Bias in the Court System. In 1997, she was named one of six Outstanding Leaders of the Atlanta Community by the Friends of Morehouse School of Medicine.

Tickets for the banquet are \$15 general and \$6 students and are available from Sandy Henkel, 487-3539, at the Memorial Union Solicitations Desk, or at the door. Advance purchase is requested.

The banquet is sponsored by the Black Students Association. Funding is provided by the BSA, Educational Opportunity, Affirmative Programs, and the Presidential Commission on Diversity.

## Noises Off opens January 22

Mention *N o i s e s* *O f f* begin. This much-praised comedy is the fine arts department's 1998 Winter Carnival show, opening Thursday, January 22, at 8:00 p.m. in Walker Theatre. **Richard Goldstein** directs the seven performances, which include six evenings (January 22-24 and January 29-31) plus a 3:00 p.m. matinee on Sunday, February 1. Tickets are available at the Memorial Union Box Office (487-3200) and SDC Central Ticket Office (487-2073) for \$7 adults, \$5 senior citizens, and \$3 students (\$1 more at the door).

Goldstein describes *N o i s e s* *O f f* as a zany farce, "the *g* troupe of actors in the process of creating a comic revue, which the audience sees from several angles. To achieve this effect, MTU's production features a multi-level revolving set designed by technical director **Paul Aneshansel**. The play-within-a-play, called *N o t* quirky actors playing even quirkier parts.

Critics call *N o i s e s* *O f f* live theatre at its best. MTU's cast features veteran student and community players, including **Rebekah Stadius, John Griebel, Heather Sevens, Kristin Stilwell, Nicholas Bateman, Magnus Wilson, Kevin Moss, Nicki Hough, and Jared Byrd.**

Information on group ticket discounts is available from Kelly Thomas, box office coordinator, at 487-2390.

### Other Martin Luther King events

A memorial service honoring Dr. Martin Luther King Jr. will be held on Sunday, January 18, at 10:00-11:30 a.m. at Suomi College's Finnish American Heritage Center in Hancock.

A candlelight peace march will be held Monday, January 19, starting with a small celebration at Good Shepherd Lutheran Church in Houghton at 2:00 p.m. The march will end at the Memorial Union, where hot chocolate and cookies will be served. The event is sponsored by the Black Students Association.



Several members of the ME-EM department participated in the American Society of Mechanical Engineers (ASME) Annual Meeting held November 18–22 in Dallas. Professor **John Sutherland** chaired three sessions: Student Manufacturing Design Competition I, Student Manufacturing Design Competition II, and Symposium on Predictable Modeling in Metal Cutting as Means of Bridging Gap Between Theory and Practice: Mechanics of Chip Formation II. He also cochaired the session Symposium on Environmentally Conscious Design and Manufacturing: Surveys, Design Support, and Modularity Analysis and co-moderated the Panel on Environmentally Conscious Product/Process Stewardship and Industrial Strategy. Former doctoral student **Lei Mercado** (Motorola Inc.) presented an invited paper, "On the Response of a Sandwich Panel with a Bilinear Core," coauthored by Professor **David Sikarskie**. Associate Professor **Kee Moon** presented two papers: "Improving the Accuracy of Microscopic Laser Interferometry System for Precision Surface Measurement by Integrated Scanning Motion," coauthored by PhD student **Yiding Wang**; and "Theoretical Examination of a New Calibration Method for Multi-Axis Machines," coauthored by Wang and Sutherland. Moon also chaired a session entitled Symposium on Quality of Traditional and Nontraditionally Machined Surfaces. Associate Professor **Amitabh Narain** and PhD student **Guang Yu** presented a paper, "Computational Flow Simulation and Interfacial Shear for Annular/Stratified Condensing Flows." Narain also organized a symposium on Gas Liquid Flows in Fluid Mechanics and Heat Transfer IV. Assistant Professor **Mahesh Gupta** presented a paper, "Finite Element Prediction of Sink Marks in Injection Molded Plastic Parts," coauthored by former graduate student **David Battey**. Gupta also chaired a session entitled Computer-Aided Engineering and Intelligent Processing of Polymeric Materials. Doctoral candidate **Yuliu Zheng** presented two papers: "A

Continuum Mechanics Model to Predict Shear Angle and Cutting Forces in Orthogonal Cutting," coauthored by Sutherland and Professor Walter Olson (University of Toledo); and "Experimental Investigation of Tapped Thread Surface Roughness for Case Aluminum Alloys," coauthored by PhD student **Tengyun Cao**, PhD student **Stephen Batzer**, and Sutherland. Doctoral candidate **Santoshkumar Ranganath** presented a paper, "A Dynamic Model of the Cutting Force System in Peripheral Milling Characterizing the Effects of Flank Face Interface," coauthored by former graduate student **Kannan Narayanan** and Sutherland. Doctoral candidate **Cecil Daniel** presented a paper, "A Simulation Study of Workspace and Dexterity of a Stewart Platform Based Machine Tool," coauthored by Sutherland, former graduate student **Vivek Saxena**, and PhD student **Dongming Liu**. Also attending the meeting were Dean **Robert Warrington** (engineering), Professor and Chair **William Predebon** (ME-EM), and Professors **Abhijit Chandra**, **Narasipur Suryanarayana** (ME-EM), and **Walter Milligan** (MME). During the ASME Meeting, the ME-EM department hosted an evening reception for all MTU alumni in the Dallas/Fort Worth area.

Assistant Professor **Carl Dassbach** (social sciences) presented an invited paper, "Lean Production in North America: Myth and Reality," at the conference Which Labor Next: Global Money, Capital Restructuring and the Changing Patterns of Production, organized by the Economics Department of the University of Bergamo and the Confederation of Metal Trade Unions and held December 3–5 in Bergamo, Italy.

Adjunct Assistant Professor **Nancy Auer** (biological sciences) presented a summary of her research, "Drifting Lake Sturgeon Larvae: Implications for Sea Lamprey Chemical Treatment," at the 59th Midwest Fish and Wildlife Conference, held December 7–10 in Milwaukee. She also cochaired a session on Sturgeon Management. Also attending the conference were graduate students **Matt Cavaleri** (biological sciences) and **Greg Corace** (SFWP).

Associate Professor **Young Huang** (ME-EM) gave an invited seminar, "Strain Gradient Plasticity and Its Role in Fracture Mechanics," at the Institute of Mechanics, Academy of Science, in Beijing, China, in December.

Students and faculty of the Department of Civil and Environmental Engineering authored posters

presented at the American Geophysical Union Fall Meeting, held December 8–12 in San Francisco. PhD student **Amy Hamlin** presented a poster coauthored by undergraduate **Debbie Medlin** and Assistant Professor **Richard Honrath**, "The Impact of Updated Rate Constants on Simulations by the NCAR Master Mechanism, a Photochemical Model." Honrath and PhD candidate **Matthew Peterson** coauthored a poster presented by V. Young (Ohio University), "NMHC Measurements During the Arctic Outflow Study 1996."

Assistant Professor **David Odde** (chemical engineering) presented a paper, "Microtubule Memory and Its Regulation in Living Cells," coauthored by Bonnie Howell and Lynne Cassimeris (Lehigh University), at the American Institute of Chemical Engineers Annual Meeting held November 17–21 in Los Angeles. At the meeting, he also chaired a session, "Emerging Issues in Bioengineering Education." Odde also attended the American Society for Cell Biology Annual Meeting, held December 13–17 in Washington, DC, and presented a poster, "Laser-Based Guidance of Cells in Hollow Optical Fibers," coauthored with Assistant Professor **Michael Renn** (physics). Also at the ASCB meeting, former undergraduate **Amelie Briggs** (chemical engineering) presented a poster, "Microtubule Strain and Breaking in Living Fibroblast Cells," coauthored by Odde, undergraduate **Alyssa DeMarco** (ME-EM), Le Ma, and Marc Kirschner (Harvard Medical School).

Associate Professor **Sonia Goltz** (SBE) presented a paper, "Composing a Team" at the 25th annual meeting of the Association for Business Simulation and Experiential Learning on January 6 in Maui, Hawaii.

Associate Director of International Studies **Mary Anne Brunner** chaired a session, Creating Community-Based Multicultural Programming in Rural America, at the Regional NAFSA meeting held November 13–15 in Madison, Wisconsin. Graduate student **Julie Crowl** (humanities) was the presenter.

Director of International Programs **Karl Markgraf** met in East Lansing with President Hidaka of the Shiga Prefectural University and governor **John Engler** to finalize an agreement between the Japan Center for Michigan Universities and SPU. This formal affiliation makes available to Michigan students fifteen \$10,000 Monbusho scholarships through the Association of International Education in Japan.



Professor **Vladimir Tonchev** (mathematical sciences) published the paper "Characterizing the Hermitian and Ree Unitals" in Vol. 13 (1998) of *Discrete Mathematics* (Colorado State University) and H. Ward (University of Virginia).

Associate Professor **Carol MacLennan** (social sciences) published an article, "Hawai'i Turns to Sugar: The Rise of Plantation Centers, 1860–1880," in the 1997 issue of the *Journal of American Studies*.

Professor **David Karnosky** recently published a paper, "Impacts of Air Pollution on Forest Ecosystems: Implications for Sustainable Forestry in Eastern Europe," in *Environmental Science and Technology*.

Associate Professor **Barry Solomon** (social sciences) published an article, "Impending Recovery of Kirtland's Warbler: Case Study in the Effectiveness of the Endangered Species Act," in *Conservation Biology*.

Associate Professor **Sonia Goltz** (SBE) published an article, "Composing a Team," in *Business Simulation and Experiential Learning*.

## Proposals in progress

Researchers, their proposals, and their potential sponsors are

- **Jim Mihelcic** (civil and environmental engineering) and **James Baker** (CenCITT), "Data Evaluation and QSAR Modeling of Sorption of Organic Compounds in Soil/Water Systems," U.S.-Israel Binational Science Foundation
- **Jianping Dong** (mathematical sciences), "Wavelet and Multinomial Probability Estimation," NSF
- **Gopal Jayaraman** (ME-EM), "Experimental and Finite Element Study on the Vehicle Front-End System Design for Pedestrian Safety," Ford Motor Company
- **Charles Young** and **Jimmy Diehl** (geological engineering and sciences), "Equipment for Undergraduate Applied Geophysics Laboratory and Interdisciplinary Studies," NSF
- **Richard Brown** (chemistry), "Computer Modeling Experiments in the Physical Chemistry Laboratory," NSF
- **Rudy Luck** (chemistry), "A New Class of Transition Metal Clusters Exhibiting M-M and P-P Interactions," NSF-NATO
- **Gordon Parker** and **John Schultze** (ME-EM), "Mechanical Engineering Undergraduate Control Systems Simulation, Animation, and Test Laboratory Improvement," NSF
- **Douglas McDowell**, **Ted Bornhorst** (geological engineering and sciences), and **George Robinson** (Seaman Mineral Museum), "Earth Materials Characterization Laboratory at Michigan Tech," NSF
- **Dominic Popko**, **Ken Paxton**, **James Gillis**, and **Jim Hwang** (IMP), "Production Scale-Up for the Marbi Beneficiation Process," Marbi Inc.
- **Surendra Kawatra** and **Timothy Eisele** (MME), "An Economical Process for CO<sub>2</sub> Removal from Flue Gas," Department of Energy
- **Michael Renn**, **Jacek Borysow**, **Jerry Hester**, **Christ Ftaclas**, **Edward Nadgorny**, **James Rafert** (physics), and **David Odde** (chemical engineering), "An Integrated Approach to Optics Laboratory Instruction," NSF

## Computer classes

The following courses will be offered at dL Computer Consultants. Cost of the workshops is \$60 for half-day, \$115 for full-day sessions. Sessions are limited to six participants. Custom classes can be scheduled for at least three participants. For more information or to register, contact the Quality Service Education office at 487-2416 or rwchrist@mtu.edu

- Access, Level 1, Tues., Feb. 17, 9:00 a.m.–noon
- Access, Level 2, Thurs., Feb. 19, 9:00 a.m.–noon
- Excel, Level 1, Tues., Feb. 10, 9:00 a.m.–noon
- Excel, Level 2, Tues., Feb. 10, 1:00–4:00 p.m.
- Internet HTML, Thurs., Feb. 12, 9:00 a.m.–4:00 p.m.
- New User Class, Tues., Feb. 24, 9:00 a.m.–noon
- PowerPoint, Tues., Feb. 3, 9:00 a.m.–4:00 p.m.
- Quicken, Mon., Feb. 16, 9:00 a.m.–noon
- Windows 95, Level 1, Feb. 5, 9:00 a.m.–noon
- Windows 95, Level 2, Feb. 5, 1:00–4:00 p.m.
- WordPerfect, Level 1, Thurs., Feb. 26, 9:00 a.m.–noon
- WordPerfect, Level 2, February 26, 1:00–4:00 p.m.

## NCA team report Continued from page 1

- its attractive and well-maintained physical plant
- linking its Self-Study to the strategic plan. "It is both informative and comprehensive about strengths and weaknesses of the institution."
- developing innovative ways to meet the distance-education needs of Michigan's corporations

And they also noted MTU's "warm and healthy community—both internal and external."

President **Curt Tompkins** was gratified by the team's conclusions. "We're very pleased to receive the recommendation for ten-year reaccreditation," he said. "Most of the team's advice and concerns reflect issues that were raised in our own Self-Study, so there were no real surprises. And it's been very useful to have representatives from other institutions give us a fresh perspective on Michigan Tech."

Tompkins credited the many members of the University community who have been involved in the reaccreditation effort. "This has been a massive project and it wouldn't have been nearly so successful without the commitment of hundreds of faculty, staff, and students," he said. Tompkins also commended the community for the great turnout at the open forums with the team. "They were very impressed," he said.

Next, the team will submit their report to MTU for comments and corrections, and then turn in the final report to NCA, according to Professor **Christa Walck** (SBE), the self-study coordinator. NCA will send Michigan Tech a copy of the team's final report, to which the University can respond. MTU will then choose a review process, probably a readers panel. Under the readers panel process, NCA sends the report to several readers, who will make recommendations to NCA. Lastly, NCA takes action.

Walck praised the evaluation team's work. "I think they've done a good job," she said. "They were right on target."

"I'm relieved that it's over and that we did a good job," she added. "Because we did the work up front, that set the stage for a very positive visit." The team was looking for consistency between the report and what they discovered during their campus visit, and that consistency was evident because campus involvement was so extensive, she said.

## POSITIONS AVAILABLE AT MTU

Job descriptions are available from Human Resources starting at 1:00 p.m. on Friday. You can e-mail us at JOBS@MTU.EDU and we will e-mail you the job description you request.

The following positions will be posted Friday, January 16, 1998, at 1:00 p.m. through noon, Friday, January 23, 1998, in the Human Resources Office.

Chair—Chemical Engineering  
Custodian, Ice Arena—Student Development Complex (Regular, full-time, external AFSCME posting)

University employees are reminded to apply in writing prior to noon, Friday, January 23, 1998, 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.

## January

- 16 Friday**  
**4:30 p.m.**—Reception for Octave DuTemple—Memorial Union Ballroom B1
- 18 Sunday**  
**10:00 a.m.**—Memorial service for Martin Luther King Jr.—Finnish American Heritage Center
- 19 Monday**  
**2:00 p.m.**—Peace March honoring Martin Luther King Jr.—Good Shepherd Lutheran Church to Memorial Union
- 20 Tuesday**  
**noon**—Basketball luncheon—Memorial Union 105  
**7:00 p.m.**—David Stone, Ethics in Engineering lecture—M&M U115
- 21 Wednesday**  
**4:00 p.m.**—Tech Tea: 50th Anniversary of India's Independence—Memorial Union Alumni Lounge
- 22 Thursday**  
**6:00 p.m.**—Martin Luther King Banquet with Kathleen Neal Cleaver—Memorial Union Ballroom  
**6:00 p.m.**—Women's basketball, Grand Valley State at MTU—SDC  
**8:00 p.m.**—Men's basketball, Grand Valley State at MTU—SDC  
**8:00 p.m.**—Noises Off—Walker Theatre
- 23 Friday**  
**8:00 p.m.**—Noises Off—Walker Theatre
- 24 Saturday**  
**1:00 p.m.**—Women's basketball, Ferris State at MTU—SDC  
**3:00 p.m.**—Men's basketball, Ferris State at MTU—SDC  
**8:00 p.m.**—Noises Off—Walker Theatre
- 27 Tuesday**  
**noon**—Basketball luncheon—Memorial Union 105