

# Tech Topics

January 14, 2000  
Vol. 32, No. 16

Michigan Tech's Faculty/Staff Newsletter

Published weekly by University Relations

## Senate hears report on undergrad recruitment

Gary Neumann, the executive director of enrollment management and marketing, reviewed the University's efforts to increase undergraduate enrollment before the University Senate January 12.

Most students attend college within 150 miles of their homes, Neumann said, which makes MTU recruiting more challenging. Applicants who opt not to enroll cite distance as a primary reason for their decision, and they generally attend universities nearer to home with a greater selection of degree programs.

Senator **Christ Ftaclas** (Physics) suggested that distance was less of a factor for students attending a nationally ranked university, and that MTU recruit students from states without a strong university system.

Neumann said the University is particularly interested in increasing the number of students from Wisconsin and Minnesota. "The Twin Cities are an opportunity for us," he said.

Senator **Jim Lutzke** (University Relations) asked how undersubscribed programs could remain viable. Senators said that many of these departments have large service loads, teaching students enrolled in other programs. And areas such as metallurgical and materials engineering and the School of Technology attract few first-year students but get many transfers.

Senate Secretary **David Reed** (SFWP) asked if there was a connection between the University's goals for department enrollment and departments' own goals. Neumann indicated that the twain do not always meet. "It's frustrating to be recruiting students when some departments say they don't want more students," he said. "I hope this will be ironed out during the strategic planning process." An enrollment management committee will be formed to deal with some of these issues on an ongoing basis.

However, he noted, the reality is that most students come to Michigan Tech for a handful of engineering programs. "Fifty percent of all our degree-seeking undergraduates are in electrical, mechanical, chemical, and civil engineering," he said.

Ftaclas asked what departments could do

*(Continued on page 5)*

*Drawing on my fine command of the English language, I said nothing.*

—ROBERT BENCHLEY

## Troy Duster featured speaker for MLK Day observances

The annual Martin Luther King Jr. Banquet will be held Sunday, January 16, at 5:30 p.m. in the Memorial Union Ballroom, followed by a keynote address by nationally known scholar and educator Troy Duster. This event is partially funded by the Ford Motor Company Fund.

Banquet tickets are available in the Educational Opportunity Department (Alumni House) from Sandy Henkel (shenkel@mtu.edu 487-2920) for \$12 for the general public, \$5 for students. Tickets may also be purchased at the Memorial Union Solicitations Booth from 10:00 a.m. to 3:00 p.m.

Duster will present "Rip Van Winkle as the Organization Man: Waking Up To a New Version of Competence" at 7:00 p.m. following the banquet. His address is open to the public at no charge. Seating will begin at 6:50 p.m. in the Memorial Union Ballroom.

Then, on Monday, January 17, Duster will present a brown-bag lunch, "Social Issues in

the New Genetics: Hidden Social Issues" at 12:15 p.m. in Memorial Union Ballroom A. Dessert and beverages will be served. For members of the MTU community, he will present "American Cultures Requirement: Curricular Transformation in the Shift from Access to Engagement" at 8:30 a.m. Monday in Memorial Union 105.

Duster is currently Chancellor's Professor of Sociology and director of the Institute for the Study of Social Change at the University of California, Berkeley, and professor of sociology at New York University. He is a member of the National Advisory Council for Human Genome Research, the Board of

Directors of the Association of American Colleges and Universities, and has served as chair of the Advisory Committee on Ethical, Legal and Social Issues of the Human Genome Project. "[H]e tackles some of

the weightiest ethical and social issues surrounding the human genome and identification of genes that may contribute to disease,"

*(Continued on page 4)*



**More on Martin Luther King Day events on page 4**

## Seaman Mineral Museum receives major gift

*Submitted by the News Bureau*

Citing a desire to "elevate the Seaman Museum to world-class status," **Lance Hampel** has provided a gift worth \$3 million to the mineral museum at Michigan Tech.

The gift includes \$1 million in cash and Hampel's collection of 4,000 mineral specimens, valued at around \$2 million.

"I am aware of the space limitations at the museum's present location," Hampel said. "It is my intent that these funds be used for the expansion and relocation of the museum's facilities to Quincy Hill."

The Seaman Mineral Museum plans to eventually move from its campus home to two restored buildings in the Quincy Mine Hoist complex just north of Hancock. The estimated cost for the restoration and move is \$7 million. The museum has one of the largest academic mineral collections in the world.

Hampel is chief executive and owner of Hampel Corporation, a plastics manufacturer in Germantown, Wisconsin. The company provides plastic pallets and trays to manufacturers, shelters for dairy cattle, and molded-

plastic portable outhouses. The company also molds parts for John Deere, Harley Davidson, Navistar, and others.

Mineral collecting began as a childhood activity for Hampel. He also has an avid interest in mining history and occasionally speaks on historic mining areas and their minerals. He has done a considerable amount of international travel over the last twenty years to build his mineral collection.

"Lance Hampel's magnificent gift is a reflection of the commitment and leadership he has shown the museum over many years," said **Stan Dyl**, director of the museum. "A gift of this magnitude coming from a non-alumnus of the University is remarkable. It will have a major impact towards our shared desire to relocate the museum and elevate it to international status."

Hampel's gift is part of Michigan Tech's Leaders for Innovation campaign, an effort to raise at least \$100 million for the University. The campaign, which will run through 2003, will provide funds for scholarships, facilities, and the University's endowment.

## BASF to announce \$175,000 gift January 18

The BASF Corporation will formally announce their commitment to build a state-of-the-art classroom in the Chemical Sciences and Engineering Building on Tuesday, January 18, at 10:00 a.m. in Chemical Sciences 211.

The \$175,000 pledge from BASF will be used to create a state-of-the-art technical classroom in which faculty members and students can present multimedia technical presentations for instructional and research purposes. A unique feature of this multimedia room will be the availability of computer technology, software, and resource materials specifically designed to facilitate distance learning.

The MTU community is invited to attend and refreshments will be served in Chemical Sciences 201 after the presentation.

## GSC announces travel grant recipients

The Graduate Student Council has announced the recipients of its winter term \$300 travel grants. The six winners were chosen at random from among the eligible applicants.

The conferences, award recipients, and the titles of their papers are American Geophysical Union Fall Meeting: **Amy Hamlin** (Civil and Environmental Engineering), "A Modeling Study of Ozone"; 2000 Ocean Sciences Meeting: **Jeong Jaebong** (Civil and Environmental Engineering), "Distribution and Transport of Particulate Matter," **Laura Bub** (Civil and Environmental Engineering), "Thermal Bar Mediation of Biological Community Structure in Lake Superior," and **Kimberly Elenbaas** (Civil and Environmental Engineering), "Bacterioplankton Dynamics in Deep Chlorophyll Maximum of Lake Superior"; Beyond 2000—Realities of Global Wolf Restoration: **Carrie Schaefer** (SFWP), "Spatial and Temporal Variability of Yellowstone's Northern Range"; and 2000 SME Annual Meeting and Exhibit, **Stephen Ripke** (MME), "Chemistry and Physics of Taconite Agglomeration."

# 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](mailto: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.

## Punished by rewards, part 3

Center for Teaching, Learning,  
and Faculty Development

By William Kennedy, director



Alfie Kohn, in his book *Punished by Rewards*, maintains that learning induced primarily through the achievement of extrinsic rewards is more superficial and transient than learning motivated by intrinsic interest and curiosity. He argues that we should move away from our preoccupation with focusing students' attention on their level of performance and encourage them, instead, to engage more fully as active agents in the learning process.

Suggestions for creating a learning environment that encourages students to become intrinsically interested include 1) incorporating active learning techniques into the classroom; 2) emphasizing the potential value of each assignment; 3) increasing curiosity by posing significant questions; 4) teaching by example; and 5) welcoming student mistakes.

Consistent with Chickering and Gamson's "Seven Principles of Effective Practice," Kohn is a proponent of active learning. He argues that students will be more engaged in the learning process when there is two-way interaction between the student, the teacher, and other students in class. Discovery-based learning, rather than simply passively recording the lecturer's notes, results in more profound integration of new ideas and insights into current understandings.

Kohn also suggests that teachers must take the time to establish the value of each assignment. Without such direction, the myriad of assignments that students are given may seem to blend together and be taken as so much busy work.

## ECE faculty candidate here January 18

Paul Bergstrom, a candidate for a faculty position in the Department of Electrical and Computer Engineering, will be visiting campus on Tuesday, January 18.

Bergstrom, of Motorola's Semiconductor Products Sector, will give a seminar, "Micromachining Challenges for Physical and Chemical Sensing," at 1:00 p.m. in Dow 642. All interested persons are invited.

## R. Johnson authors "Best Book"

The book *User-Centered Technology: A Rhetorical Theory for Computers and Other Mundane Artifacts*, authored by humanities department chair **Robert Johnson**, has been named the 1999 Best Book in Technical or Scientific Communication by the National Council of Teachers of English (NCTE).

In announcing the award, NCTE called Johnson's book "a valuable contribution to the scholarship in technical and scientific communication that should influence the direction of the field for years to come."

Johnson will accept the award at the annual meeting of the Association of the Teachers of Technical Writing, to be held in April in Minneapolis.

## Great boxes free at the library

The J. R. Van Pelt Library is giving away free pam (pamphlet) boxes. They are great organizers for looseleaf, cookbooks, pamphlets, magazines, etc.

These 12-by-4-inch boxes come in two sizes, 7 and 9 inches deep, and were used to hold unbound journals. If you'd like some boxes, please stop by the Circulation Desk.

## Robbins featured at GSC social

**Dick Robbins**, chair of the Leaders for Innovation Campaign for Michigan Tech, will be the featured guest at a Graduate Student Council social on Tuesday, January 18, in the ROTC Blue Room. The social begins at 6:00 p.m., with Robbins' talk beginning at 6:30 p.m.

Robbins will discuss his experiences involving the construction of the English Channel Tunnel between England and France, and the specialized tunnel-boring machines that he supplied for this project.

### Let it bleed

## MTU and NMU in blood drive competition

Traditional sports rivals Michigan Tech and Northern Michigan will soon be competing in a different arena.

Both universities will be holding blood drives, and in this case, the school that loses the most blood wins. Michigan Tech's drive is set for Tuesday, January 18, with NMU's scheduled for the following week. Both competitions will be broadcast live by radio station WMQT, Q-107 in Marquette.

The MTU event is sponsored by Residence Life and the Inter-Residence Hall Council and will be held in the West McNair Hall Lounge from 10:00 a.m. to 3:45 p.m. The blood drive is being held by the UP Regional Blood Center. The Campus Cafe will provide free food for the donors.

Donors must be at least 17 years old; free of sore throat, flu, and colds; and weigh at least 110 pounds. Donors must wait eight weeks between donations.

To set up an appointment to donate, contact Beth Wagner (blwagner@mtu.edu) with the time you wish to donate. Walk-ins are also welcome.

## Learn tennis this winter in the Gates Center

The Recreation Department is offering adult and children's tennis classes for the beginning to intermediate player. From strokes to strategy, they can help improve your game and give you a great workout.

Classes are held in the Gates Tennis Center, Michigan Tech's fine indoor facility offering four courts, pro shop, and locker rooms. Call Kevin Kalinec at the Gates Tennis Center for more information.

## In print

Associate Professor **Mary Durfee** (Social Sciences) and James N. Rosenau (George Washington University) just published the second edition of their textbook on world politics, *Thinking Theory Thoroughly*.

---

"We are not to expect to be translated from despotism to liberty in a featherbed," Thomas Jefferson once wrote in a letter to Lafayette.

---

Those of us living in First World comfort find it almost impossible to envision what life is like for those stumbling along that rocky highway to political and economic freedom. While the transition for some nations, such as Poland, has been merely hard, people in at least one formerly communist country have experienced economic and cultural shock that borders on catastrophe. And most Americans, no matter how well-meaning, don't have enough understanding to give effective assistance.

To help change that, **James P. Cross**, director of the Center for International Education, has been called upon for a second time to brief members of the US diplomatic corps who are on their way to Albania. A political economist specializing in economies in transition with extensive experience in Albania, Cross was in Italy in 1991, when the first waves of post-communist Albanians began washing up on Italian shores. He'll present "Post-Communist Transition in Albania: An Overview of Political and Economic Developments from 1989 to the Present," on January 19 at the Foreign Service Institute's training center in Arlington, Virginia.

"Making the transition from communism to democracy has been far more complicated and dependent upon historical and cultural norms than recognized early on," said Cross, who has been tapped by Voice of America and National Public Radio for expert commentary on this Balkan outback. "Albania has never experienced industrial capitalism like other parts of Europe. They went directly from a feudal, agrarian system to a communist dictatorship."

Imposing a democratic, capitalist system on a citizenry that lacked any frame of reference was bound to go haywire, and it did. "There were horrible pyramid schemes where people lost all their money," he said. And the de facto underpinnings of modern business are totally absent. "They don't even have a credit system, and they have no concept of paying loans back."

Even the idea of private property could be a little shaky. Cross recounts when the Albanian soccer team, exuberant about their first trip to play in Germany, entered the duty-free shop. Thinking that everything was indeed free, they stuffed their pockets with

## MTU notables

**Cindee Molnar**, a master sergeant in the Air Force Reserves and a secretary in the Department of Physics, has received an Air Force Commendation Medal for her service during Operation Allied Force, the NATO action in Kosovo.

Molnar was stationed at Wright-Patterson Air Force Base, Ohio, from May 17 to August 13, 1999, at the National Air Intelligence Center. She was cited for her intelligence briefings, particularly with reference to the Kashmir region. "Her innovative methods improved coverage of worldwide intelligence events and increased operational efficiency," according to her award citation.



## Cross: Understanding Europe's last enigma

merchandise until they were placed under arrest. Charges were eventually dropped and the team members released, but the story underscores the Albanians' dislocation from the rest of Europe.

Albania has had other adjustment problems. In the early 1990s, Cross traveled with Albanians returning home from Italy with the trappings of their brush with capitalism, including a number of run-down used cars. Vehicles can be problematic in a region without traffic laws that relies almost exclusively on bicycles and other nonmotorized transport, such as feet, to get around.

"People were getting into horrible car accidents," Cross said. His first driver, the captain of the aforementioned soccer team, piloted an old Volvo without using the headlights. "We drove by moonlight," Cross recalled, without slowing down and occasionally swerving toward fellow travelers, such as pedestrians, for amusement.

The only way to rebuild a stable society in such a chaotic place is carefully, from the ground up, said Cross, who set up the Training Institute in Government and Business in 1994 and trained about 150 Albanian government officials. "We have to look at transformation through education. We need to educate a new elite of Albanians in free market democracy. There are no quick fixes; the process has to take root in local communities."

It will take some time. Government workers take home around \$80 a month, while product costs are comparable to Western Europe. Albanians died as a result of malnutrition and disease in the early 1990s, and many still go hungry.

"It's the Third World, it's nightmarish, and it's right in Europe's backyard," Cross said. "Albania truly is Europe's last enigma."

# HONORING MARTIN LUTHER KING, JR.



## Student to deliver "I have a dream" speech Monday

Adrian Rasco, a fourth-year mechanical engineering student, will read Martin Luther King Jr.'s famous "I Have a Dream" speech on Monday, January 17, at noon, on the steps of the Memorial Union. A reception follows in

Memorial Union 105.

In August 1963, King delivered this keynote address for the March on Washington for Jobs and Freedom on the steps of the Lincoln Memorial before a crowd of 250,000. The speech was also broadcast on TV and published in newspapers. Because of King's oratory and the media attention it received, "for the first time a mass white audience heard the undeniable justice of black demands," civil rights activist Julian Bond later wrote in the *Seattle Times*. King's "I Have a Dream" speech has become among the most famous public addresses of twentieth-century America.

Rasco, who comes from Saginaw, is a member of the National Society of Black Engineers and Phi Beta Sigma Fraternity.

## Echoes from Heaven Gospel Choir to honor King during Tech Tea

*Submitted by the University Cultural Enrichment Department*

The Michigan Tech Black Students Association presents the Echoes From Heaven Gospel Choir in a soul-stirring celebration of the life of Dr. Martin Luther King Jr. at Tech Tea Time on Wednesday, January 19, at 4:00 p.m. in the Memorial Union Alumni Lounge.

The program was organized by choirmaster **Inetta Harris** (Fine Arts) and will include a selection of "powerful and meaningful" songs with several dramatic interludes illustrating important events that occurred during King's lifetime.

This performance follows the choir's concert tour, including two presentations in Chicago and one at Northern Michigan University.

The program is free and open to all. Tech Tea Time is coordinated by the University Cultural Enrichment Department. For further information call 487-2844.

## New staff

**Judy Brychta** has joined the Research Services staff as an office assistant. She was previously the operations manager at Midwest Loan Services. She has also worked in the Houghton High School principal's office and as finance/budget manager for D&N Bank. Brychta has a BS in Business Administration from MTU and two sons, Scott Graham and Stephen Graham. She lives in Houghton and enjoys dancing and winter sports, including snowshoeing, skiing, and snowmobiling. Brychta is a member of the Noteworthy Singers.

**Kelly J. Wenberg** has joined the mathematical sciences department staff as a secretary II. She was previously a secretary with Vollwerth and Company in Hancock. She is married to Glenn A. Wenberg, lives in Dollar Bay, and has two children, Krysta Bykkonen and Gregg Bykkonen. She loves outdoor activities, including cross-country skiing, rollerblading, fishing, and hunting.

**Barbara L. Wilson** has joined the Dining Services staff as a part-time food service worker. She is retired from the US Coast Guard, where she was a food service supervisor and cooking and baking instructor. She is married to William T. Wilson IV, lives in Houghton, and has three children, Lindsay, William V, and Megan Wilson. She enjoys crafting, piano, reading, and teaching third- and fourth-grade Sunday school.

## MLK events *(Continued from page 1)*

*Black Issues in Higher Education* (December 23, 1999) said of Duster.

"Throughout US history, the debate about how African Americans can and should best relate to this country has waged back and forth, between assimilation/integration to separation/autonomy," Duster says. From 1955 to 1965, Martin Luther King Jr. and Malcolm X personified this debate. "But this was also the decade of 'The Organization Man'—a singular version of a competent and successful person, lock-step white, male, and, with increasing homogenization, middle class," he said.

Racial integration and separation have very different meanings today. In his presentation, Duster explores an alternative to this either/or version of assimilation vs. separation and suggests that we are now witnessing a convergence of the legacies of both King and Malcolm.

Duster's visit and the Martin Luther King Jr. Banquet are sponsored by Educational Opportunity, the students of the Black Student Association, Society of Intellectual Sisters (SIS), Society of African American Men (SAAM), Alpha Kappa Psi, National Society of Black Engineers (NSBE), Nosotros, and the American Indian Science and Engineering Society.

## Colored-pencil expert this year's artist in residence

*Submitted by the Department of Fine Arts*

Nationally recognized artist Vera Curnow, founder of the Colored Pencil Society of America, will present demonstrations and workshops as part of the Department of Fine Arts Guest Artist Residency program on January 27–30. Curnow will give two-hour lecture-demonstrations at 10:00 a.m. and 2:00 p.m. on Thursday and Friday, January 27–28, in Walker 202 on the subject "Art Without Limits."

These sessions, which are free and open to all, "are about seriously making art fun again," Curnow says. They are designed to help anyone, with or without experience in the visual arts, to express ideas in new, creative ways.

In addition, Curnow will present a two-day workshop on Saturday and Sunday, January 29–30, for which pre-registration and a fee are required. More information is available from the fine arts department, 487-2067.

Curnow, a former Hancock resident whose work is frequently exhibited in the annual Copper Country Gallery Exhibition, is owner of the Vera Curnow Gallery and Arts Center in Rising Sun, Indiana. She is the author of eight books on colored pencil technique.

The Guest Artist Residency program is sponsored by the Department of Fine Arts with funding from the Incha Lee Memorial Fund and is coordinated by Associate Professor **Mary Ann Beckwith**.

## Feel the heat this winter—sign up for Latin dance classes

Come learn the basics of several popular Latin dances in a five-week class beginning January 27. The Recreation Department will cover the lively but very easy merengue; the popular, vibrant salsa; and the playful cha-cha. Classes meet Thursdays from 7:00 to 9:00 p.m., January 27, February 3, 10, 17, and 24, at the SDC Dance Room.

Cost is \$30 for a student couple, \$40 for a non-student couple. Sign up at the SDC Central Ticket Office and have fun learning some hot, Latin-style dancing in a relaxed atmosphere!

## Cager Club bus trip January 31 to Marquette

Everyone is invited to join the Cager Club in Marquette on Monday, January 31, to cheer on MTU's men's and women's basketball teams in the new Berry Events Center.

Cost of the trip is \$20 and includes round-trip coach transportation and a ticket to the game. The bus leaves at 3:15 p.m. from the SDC and returns following the games.

For more information or to sign up, contact Bob Gilreath, 487-3697 or bobg@mtu.edu.

## Senate (Continued from page 1)

to help. "In physics, we've called every applicant personally, and we've doubled our enrollment," he said.

Neumann asked that everyone go the extra mile for potential students and their families who visit Michigan Tech. "Families who visit here from Detroit have to travel ten hours to get here, and they should be treated like royalty," he said. And, while most faculty and staff are gracious and cooperative, "we've had a few cases where students couldn't find anyone in a department who would talk with them," Neumann said. "We sell Michigan Tech on the basis of personal contact," which sets MTU apart from larger universities.

The senate had asked Neumann to justify the hiring of the advertising firm of Russell and Herder to develop the University's advertising campaign. Neumann noted that it was a AAAA firm located within 250 miles of MTU, that it had conducted a highly successful campaign for the College of St. Scholastica and worked for the University of Minnesota, that it was experienced with teen markets, and that it had a number of large corporate clients. The relationship between the firm and the University was very good, and the campaign they developed, including a common look for University publications, had been very well-received.

The senate voted unanimously to approve revisions to the sabbatical leave policy that reflect the change to semesters next year. Under the proposal, which is subject to administration approval, faculty taking a one-year sabbatical would receive 50 percent of their salary, while those taking a one-semester leave would receive 100 percent. The proposal, 5-00, also suggests that the Center for Teaching, Learning, and Faculty Development print a brochure and hold an annual seminar to educate faculty and departments about sabbatical leave options. The senate defeated a motion by Senator **Bruce Barna** (Chemical

Engineering) to have faculty receive 100 percent of their salary for year-long leaves if they wait fourteen years (double the usual seven) between sabbaticals. Opponents said such a change might block administration approval of the proposal, which was critical if sabbaticals were to be approved for next year. The senate also approved a separate proposal, 6-00, asking that \$50,000 be budgeted to help faculty on leave defray sabbatical expenses. The grants, up to \$5,000 each, would be awarded competitively by the Sabbatical Leave Committee. The proposal is also subject to administration approval.

Barna, the treasurer of the MTU Chapter of AAUP, said the chapter plans to conduct a straw poll of faculty and other full-time instructional staff to see if there is interest in forming a union. Depending on the results, the chapter would ask the National Labor Relations Board to conduct a referendum on the issue. Barna asked that the senate help conduct the straw poll, since it "has well-established mechanisms for handling such polls, including verification of ballots, counting, security, etc." The senate is expected to act on the request at an upcoming meeting.

Senate President **Bruce Seely** reported that MTU had received forty-three applications for provost and senior vice president for academic and student affairs. "A number of very strong candidates have come forward," he said, crediting the Boston search firm of Isaacson Miller. He said Provost **Fred Dobney** had asked the senate to examine a situation involving employees on soft money. They are not paid vacation by the University, and they can't be paid from contract funds when they aren't working, Seely said. And he reported that seventy-six TIAA-CREF employees had received notice that MTU would be adding extra funds to their retirement accounts to help offset the cost of health insurance premiums upon their retirement.

## 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, January 14, 2000, at 1:00 p.m. through noon, Friday, January 21, 2000, in the Human Resources Office.

Assistant/Associate Professor—Center for Biomedical Engineering  
Apartment Supervisor—MTU Apartments-Daniell Heights  
Administrative Associate—International Advancement Programs  
Custodian—Residential Services Facilities (AFSCME internal posting only)  
Research Engineer I—Civil and Environmental Engineering-CenCITT

University employees are reminded to apply in writing prior to noon, Friday, January 21, 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.

## On the road

Professor and Chair **Ted Bornhorst** (Geological Engineering and Sciences) was named chair of the Steering Committee at the second Conference of Heads and Chairs of Earth and Space Science Departments in the US, held November 12–14 in Washington, DC.

Seaman Mineral Museum Director **Stanley J. Dyl II** gave two invited lectures, "Michigan Copper Country Mining and Minerals" and "Michigan Silver," and presented a traveling exhibit of Copper Country specimens at the 25th Anniversary Symposium of the Pacific Northwest Chapter of the Friends of Mineralogy, held September 24–29 in Tacoma, Washington.

## Send in your C<sup>2</sup>E<sup>2</sup> proposals

The Century II Campaign Endowed Equipment (C<sup>2</sup>E<sup>2</sup>) Fund Committee will meet in February to review proposals. Guidelines for C<sup>2</sup>E<sup>2</sup> proposals are available at <http://www.admin.mtu.edu/rgs/graduate/c2e2.htm>. Faculty wishing to submit a proposal for consideration this term should do so by 5:00 p.m., Friday, February 11. Send eight copies to the vice provost for research and dean of the Graduate School.

## January

- 14 Friday**  
**6:00/8:30/11:00 p.m.**—Film Board Movie: *Double Jeopardy*—Fisher 135
- 15 Saturday**  
**1:00 p.m.**—Women's basketball, Findlay at MTU—SDC  
**3:00 p.m.**—Men's basketball, Findlay at MTU—SDC  
**6:00/8:30/11:00 p.m.**—Film Board Movie: *Double Jeopardy*—Fisher 135
- 16 Sunday**  
**5:30/7:00 p.m.**—MLK Banquet/Troy Duster, "Rip Van Winkle as the Organization Man: Waking Up to a New Version of Competence"—Memorial Union Ballroom
- 17 Monday**  
**8:30 a.m.**—Troy Duster, "The American Requirement: Curricular Transformation in the Shift from Access to Engagement"—Memorial Union 105  
**10:30 a.m.-3:45 p.m.**—Blood drive—West McNair Hall Lounge  
**noon**—Adrian Rasco reads "I Have a Dream" speech, reception following—Memorial Union steps, Memorial Union 105  
**12:15 p.m.**—Open Forum with Troy Duster, "Social Issues in the New Genetics"—Memorial Union Ballroom
- 18 Tuesday**  
**1:00 p.m.**—Paul Bergstrom, "Micromachining Challenges for Physical and Chemical Sensing"—Dow 642
- 19 Wednesday**  
**4:00 p.m.**—Tech Tea: Echoes from Heaven Gospel Choir—Memorial Union Alumni Lounge  
**5:30 p.m.**—Forestry Open House for Prospective Students—Noblet 123