



Judith Martin, also known as syndicated columnist Miss Manners, caps her tour of MIT's Charm School by delivering its "commencement address."

'Miss Manners' extolls etiquette in IAP Charm School address

By Alice C. Waugh
News Office

Though sadly neglected nowadays, etiquette is more necessary than ever, and its lack of use in fact accounts for many of the social problems faced by modern society. So said Judith Martin, otherwise known as syndicated columnist Miss Manners, in her Charm School "commencement address" delivered last Wednesday.

A capacity crowd in Rm 10-250, including many Charm School graduates who filed in to the strains of "Pomp and Circumstance" played on a pair of tubas, laughed and cheered when Mrs. Martin declared that there was no inherent contradiction between "nerdiness" and charm. "On the contrary, what I find uncharming is empty-headedness, especially when it is gloriously crowned with arrogance—being proud of what you don't know," she said.

Some argue against the use of rules of etiquette on the grounds that such rules are either too trivial to bother with or elitist, arbitrary and artificial, Mrs. Martin said. However, they are the indispensable foundation for human social interaction, she argued.

"The philosophical basis of civilization is exactly the same as that of manners—that people must agree to restrain their impulses and follow a common language of behavior in order to avoid making communal life abrasive, unpleasant and explosive," Mrs. Martin said. In America, this history has been forgotten; "it's come to be believed that etiquette was invented by Victorian killjoys—I'm a prime suspect here—in order to ruin private pleasures, to quash the freedoms achieved during the Enlightenment, and just for good measure, to humiliate honest working people at every possible opportunity."

The breakdown in the teaching and use of etiquette is a primary cause of conflicts ranging from excessive litigation to street violence, Mrs. Martin said. Many people feel that lack of manners is a relatively minor issue, but it can be viewed another way, she said. "What if the decline of etiquette is one of the more serious social problems from which the other serious social

problems devolved as epiphenomena?" While not claiming that all crime is "merely lethal rudeness," she noted that shootings and other urban violence often arise from a perceived lack of respect from the victim to the aggressor. "The response to feeling 'dissed' is a major cause of crime in this country," she said. The only difference between such violent confrontations now and in the past, she added, is that "now we've eliminated some of the frills," such as slapping the offender in the face with a pair of gloves.

Etiquette needs to be taught to children to help them learn and socialize throughout their school careers, Mrs. Martin said. Politeness and restraint also need to be practiced by adults in university settings, which like other

segments of society, are increasingly plagued with complaints about sexual harassment and other forms of incivility. "Fostering totally free speech is not the mission of the university. The mission of the university is to foster free inquiry," Mrs. Martin said. "A university can allow people to attack ideas without allowing them to attack one another, and it can freely protect discussion of offensive topics without permitting use of personal invective and other offensive speech."

The courts are increasingly being called upon to handle disputes that proper use of etiquette should have prevented or solved, Mrs. Martin said. The law, which was originally intended to punish serious conflict involving

(continued on page 4)

MIT and Knight Foundation complete six-year, \$7.5 million endowment drive

President Charles M. Vest and officials of the John S. and James L. Knight Foundation met in Miami January 20 to celebrate completion of a \$7.5 million drive to endow the Knight Science Journalism Fellowships at MIT.

The program appointed the first of 12 groups of fellows in 1983. The fellowships bring experienced science

journalists to the MIT campus for nine months of individual and group study. Scores of MIT faculty members have been guest speakers at the fellows' twice-weekly seminars on current work in engineering and science.

At a breakfast with Knight Foundation President Creed Black, Chairman Lee Hills and other officers, Dr. Vest

said, "Public understanding of science and technology is an increasingly significant educational mission for MIT. The Knight Science Journalism Fellowships, now established permanently, are an important way for us to carry out that mission."

Visiting Knight Foundation headquarters, Dr. Vest presented the Foundation with a portfolio of letters from 104 of the 120 former fellows and progress reports from the current Knight Fellows. Entitled "A Year That Made A Difference," the portfolio was produced by MIT Design Services. Dr. Vest was accompanied by Victor K. McElheny, director of the Knight Fellowships.

The Knight Foundation launched the drive by committing \$5 million in March 1989 on condition that MIT raise an additional \$2.5 million. Because the fellowships were supported under the Knight Foundation's 1987 commitment of \$3.257 million for operations over seven years, the endowment funds could accumulate until July 1, 1994. The endowment's income now meets approximately three quarters of core expenses.

(continued on page 3)

MIT to reengineer its 'temp' policy

MIT expects to save about \$240,000 a year by reengineering the way the Institute obtains the services of secretarial and clerical temporary help. The change is scheduled to take effect by the end of February.

The change was recommended by the Supplier Consolidation Team, one of several at work in MIT's reengineering effort. The team will announce soon a schedule of workshops and seminars to discuss the new system.

The Reengineering Steering Committee, headed by Senior Vice President William R. Dickson, approved the recommendation after review and dis-

cussion at meetings in November and January.

In the past, MIT has used more than 30 temporary help agencies, with no unified way to monitor pricing, use or performance. The Supplier Consolidation Team's recommendation was to select a primary agency that will coordinate and support all of the Institute's needs for temporary secretarial and clerical services.

In addition to providing temporary help directly, this agency will subcontract with two of the Institute's present major suppliers, which provide MIT

(continued on page 8)

Microchip has potential to restore lost vision

MIT scientists and colleagues report significant progress on the development of a microchip that might one day restore vision to people who suffer from certain diseases of the retina.

The microchip, which would be surgically implanted in the eye, would work in conjunction with a miniature camera and laser that fit on a pair of eyeglasses. Team members recently developed a prototype of the microchip and they hope to begin preliminary work with blind human volunteers in about six years.

The Retinal Implant Project is led by Professor John L. Wyatt of the Department of Electrical Engineering and Computer Science and the Research Laboratory of Electronics, and by Dr. Joseph F. Rizzo of the Massachusetts Eye and Ear Infirmary and Harvard Medical School.

If successful, the work could aid people suffering from two retinal diseases, retinitis pigmentosa and macular degeneration. Retinitis pigmentosa is the leading inherited form of blindness, affecting about 1.2 million people

worldwide. The condition causes a slowly progressive vision loss that first affects peripheral vision but eventually consumes all vision. Macular degeneration impairs central vision and removes one's ability to read, though peripheral vision is maintained. It affects roughly 10 million Americans, about one million of whom are legally blind with the disease.

(continued on page 8)

IN BRIEF

KING OBSERVANCE

To allow all who wish to do so to celebrate the life and legacy of Dr. Martin Luther King Jr., Vice President for Human Resources Joan F. Rice is asking that supervisors allow flexible work scheduling where possible on Friday, February 10, the date of the annual events at MIT.

The events include speaking and music presentations in Lobby 7 from 9:30 to 11:30am; a silent march from Lobby 7 to Kresge Auditorium starting just before noon; the activities in Kresge, where the speaker will be retired federal court Judge A. Leon Higginbotham Jr., and a reception in Kresge Lobby that will end at about 2pm.

UNITED WAY UPDATE

MIT's United Way campaign, which ends this Friday, is still approximately \$30,000 short of its \$322,000 goal. As of January 30, the drive had raised \$290,950 in donations and pledges from 1,561 donors. The money is distributed to more than 200 nonprofit social service agencies that serve 1.7 million people in 81 cities and towns in eastern Massachusetts.

Anyone who has not yet made a donation is urged to do so before 3pm Friday. Donors may send in pledge cards, or call or visit the Office of Special Community Services, Rm 20A-023, x3-7914. All who contribute are automatically entered in a raffle with several prizes to be given away, including two round-trip Northwest Airlines tickets to the traveler's destination of choice in the continental United States.

New insurance will affect paychecks

Many MITers will be seeing small changes in their paychecks as new lower group life insurance rates with ITT Hartford take effect.

Because life insurance is paid on a current rather than an advance basis, the first deductions for those who enrolled during the special January period will show up in February. Those on the weekly payroll will see the change in the February 17 statement because it is the first that covers only February earnings. Those on the monthly payroll will notice the change on February 28.

If a statement of health was re-

quired because a participant sought coverage of four or five times the base annual salary, resulting in coverage of more than \$200,000, a deduction for three times the base annual salary will begin in February. The adjusted premium and coverage amounts for four or five times the salary will be effective when ITT Hartford notifies the Benefits Office that the coverage amount has been approved. The company will also notify the participant directly.

For any questions, call the Benefits Office, x3-0500 or the Lincoln Benefits Office, x7060.

Student Notices

Other religious meetings:

Graduate Christian Fellowship**—Weekly meetings in Student Ctr, DR 1&2, Thursdays at 5:30pm. Also weekly Bible studies and Responsible Technology discussion group. Andrew Parris x3-2319 or <andrewp@mit.edu>.

Friends Worship Group*—Wednesdays in Rm 3-137C at 5pm for unprogrammed ("silent") worship, 5:15-5:45pm.

Hillel*—Feb 1: Israeli Dancing, La Sala, 7:30pm. Feb 2: A Taste of Torah, 12pm. Feb 3: Shabbat Dinner, 6:45pm, reserve by Wed. Location for all events: Bldg W11 unless otherwise noted. More info: x3-2982.

MIT Korean Baptist Student Koinonia (KBSK)**—Friday Night Bible Study and Fellowship 7-8:30pm, Student Ctr DR 3. Chris Pak x3-9342 or 876-8594.

Lincoln Laboratory Noon Bible Studies*—Tues & Thurs, Kiln Brook III, Rm 239. Annie Lescard, Linc x2899.

MIT Muslim Students Association*—5 daily prayers, Bldg W11; also Friday congregation 1:10-1:45pm, Rm W11-110. Info: x8-9285.

GRADUATE NOTICES

1995-96 On-Campus Graduate Housing**—The deadline to apply for on campus summer and fall 1995-96 vacancies in family and single graduate student apartments and dorms is Tuesday, Feb. 28, 1995. Applications available in Graduate Housing, Rm E32-133. More info: x3-5148.

OPPORTUNITIES

BFGoodrich Collegiate Inventors Program. Recognizes undergraduate and graduate students across the country whose innovations, discoveries and research are deemed the year's most outstanding. Up to three winning students or teams in the All-Collegiate Category will each receive a \$5,000 cash award. Advisors individually will receive a \$2,500 cash prize. In the Undergraduate Category, up to three winning students or teams will receive a prize of \$1,000 each, with \$500 being awarded to each advisor. Information packets are available through Nancy Schonard at the Technology Licensing Office. Stop by Rm E32-300 or call x3-6966. Deadline: Feb 14, 5pm.

International Energy and Environmental Policy Research Grants**—Request for Proposals 1994-95. Each year the Center for International Studies provides grants to MIT faculty, researchers and doctoral students working on relevant faculty projects. Proposals will be considered in any aspect of international energy or environmental policy, including research on developing countries as well as advanced industrial countries. The competitive awards are made for amounts up to \$30,000. Proposals will be considered for research seed funding, publications, and workshops and conferences. For more information contact Elizabeth Leeds, Assistant Director, CIS, Rm E38-652. Deadline: Feb 21. Decisions will be made by March 24, 1995.

Alfred Keil Fellowship for the Wiser Uses of Science and Technology**—This award, established by the School of Engineering, is based on three general criteria: academic excellence, the relevance of a student's intended work to the spirit of the award, and creativity construed as the possibility of enabling the student to do something that might not otherwise be possible. It covers full tuition for an academic year, starting in Sept. Each application should be limited to two pages, explaining the student's proposed research or study, and how it will contribute to the wiser uses of science and technology. The names of two references, at least one of whom is a member of the MIT faculty, should be provided. Deadline for applications: Mar 10. Send to Professor Daniel Roos, Room E40-209.

I. Austin Kelly III Prize Competition 1994-95. Two prizes of \$500 each for scholarly or critical essays in the following fields: Anthropology, Archaeology, Art History, Economic History, Film and Media Studies, History, History of Science and Technology, Literary Studies, Musicology, Philosophy, Politics, Women's Studies. Rules and guidelines available at History Office, Rm E51-

Electronic journal system takes shape

By Alice C. Waugh
News Office

By using a prototype electronic journal delivery system known as TULIP, anyone at MIT who wants to read or obtain an article from a collection of 38 materials science journals can do so without ever having to touch a traditional paper-bound volume.

TULIP (The University Licensing Program) is a cooperative venture between Elsevier Publishing, a Netherlands firm that produces hundreds of scientific journals in materials science and other fields, and a nine-university consortium that includes MIT.

Under an agreement between Elsevier and the schools, the publisher provides scanned images of the journal pages and citation records for search and retrieval. These files are sent over the Internet or on a CD-ROM disk in the mail, explained Suzanne Weiner, assistant engineering and science librarian.

The universities' responsibility in this experiment is to make this electronic information available to their materials science researchers. At MIT, the Libraries and Information Systems have deployed a system whereby these journals can be searched, viewed on Athena workstations (and soon on other desktop machines on MITnet), and printed. Bibliographic citations can also be saved or sent to someone else via e-mail.

BROWSING AND SEARCHING

The MIT system provides users with two methods of access to these bitmapped images of the journal pages. Because they are images, the pages cannot be searched for text strings within the articles. However, users can browse through issues of journals ranging from Applied Catalysis to Wear using a World Wide Web client such as Mosaic, or they can search for articles by such criteria as author or title with WILLOW, a bibliographic search client that works with TULIP and other systems. WILLOW (Washington Information Looker-upper Layered Over Windows) was developed by the University of Washington for its library information system to provide access to bibliographic databases. MIT added

support for Medline (the National Library of Medicine's database of bibliographic citations), and MIT and UW have worked together to develop support for WILLOW.

The TULIP implementation team at MIT, called Bulb, consists of staff from Information Systems, the Libraries and Dr. Craig Counterman, a research associate in materials science. The team has coordinated the development and implementation of TULIP and has synchronized its effort with Elsevier and other joint projects sponsored by IS and the Libraries. TULIP is one of several efforts in the Libraries/IS umbrella program known as the Distributed Library Initiative (DLI).

TULIP development work at MIT has consisted largely of tying together various existing applications rather than creating them from scratch. "It's mostly a matter of figuring out the required pieces, gluing them together and making them work fast enough to be useful," said William Cattey, a senior analyst and programmer in Distributed Computing and Network Services. He and others involved with TULIP devised ways of searching for articles and then fetching, displaying and printing the images.

The display resolution of an Athena workstation is one-quarter that of the printers. To allow users to see a full page without scrolling, Mr. Cattey developed a "fast and dirty anti-aliasing algorithm" for a readable display of the 300-dpi (dots per inch) images on the 75-dpi workstation screens. Mitchell Charity, a research staff member of the Laboratory for Computer Science's Library 2000 project, developed a program to turn the journal table-of-contents files into HTML files so they could be accessed from the World Wide Web.

One of the things that libraries have to be aware of with projects like TULIP is the need for a large amount of computer storage space. "That's a big issue with these electronic journals," Ms. Weiner noted. Each page uses about 40K, and all the journal files at MIT currently use about 22 gigabytes, she said.

The TULIP experiment is scheduled to conclude at the end of this calendar year. In the coming months,

staff members will gather usage data and evaluate the system to see how valuable it is to researchers. MIT will also need to consider economic and use issues related to providing services such as TULIP. A key issue in the experiment with Elsevier is development of reasonable economic and licensing models for the service, which provides faster, more flexible access to time-sensitive journal information than was previously possible.

PROPERTY QUESTIONS

This is a transitional period for publishers, libraries and universities because information is now being provided in both paper and electronic form. In the electronic environment, there are serious intellectual property issues which are not fully resolved; TULIP is one effort to help understand those issues and to offer real-life approaches to them. Through its participation, MIT is hoping to have some say in the creation of viable economic and intellectual property rules governing the use of TULIP.

During this experimental stage, MIT is receiving the page images of 38 journals from the TULIP group of 44. The Institute gets these journals at no charge because they correspond to existing paper subscriptions received by the Libraries. Elsevier has announced plans to add 41 more titles at a cost of the paper versions plus 10 percent. The company's goal is to offer all its journals in page image form within the next year.

"There are many things that are unsettled. This is a whole new world," said Greg Anderson, the MIT Libraries' associate director for systems and planning. "One of the interesting learning experiences in this is that in many ways, the technological pieces are much the easier... As we continue to build the system, what's rising to the forefront are complex legal and social issues." These issues of ownership, use and dissemination in the electronic arena may eventually have to be decided by Congress, he added.

To use TULIP from an Athena workstation, type <add library> and then <plant-tulip> the first time you use the system. To use the bibliographic search system, type <willow>. The table of contents can be viewed with a Web browser at the URL <http://bulb.mit.edu/bulb/>. Those with questions or comments can contact Ms. Weiner at x3-9367 or <stweiner@mit.edu>.

* -Open to public
** -Open to MIT community only
*** -Open to members only

ANNOUNCEMENTS

Career Services and Preprofessional Advising Recruitment Presentations**—Feb 2: Prudential Insurance Company of America, 5:30-7:30pm, Rm 4-149. Feb 6: Lockheed Sanders, Inc., 7-9pm, Rm 4-163. Feb 7: Engineering Research Associates, Inc., 6:30-8pm, Rm 4-145. Feb 8: Lehman Brothers, 7-9pm, Rm 4-149. Feb 9: Monitor Company, 7-9pm, Rm 4-149. Feb 9: Lotus Development Corp., 6-7pm, Rm 4-159. Feb 9: Public Financial Management, Inc., 6-8pm, Rm 4-145. Feb 9: Vitesse Semiconductor Corp., 6-8pm, Rm 4-153. Feb 9: American Management Systems, Inc., 7-9pm, Rm 8-105. Feb 9: Bridgewater Associates, Inc., 7-8pm, Rm 4-149.

February Degree Candidates**—Degree candidates with federal and/or MIT-administered student loans must have an exit interview with the bursar's office representatives before leaving the Institute. Call x8-5664 for an appointment.

Engineering Internship Program Orientation Lecture**—Feb 6: School of Engineering sophomores: learn to relate academic program to off-campus work experience in industry/government while earning joint SB/SM in Engineering, 4-5pm, Rm 9-150. More info: x3-8051.

How To Get a Job in Academics**—Feb 7: Prof. Barbara Liskov, MIT; Prof. Sacha Nelson, Brandeis (former MIT Postdoc); Prof. Robert Sauer, MIT; Prof. Jaime Williamson, MIT. Sponsored by MIT Association for Postdoctoral Women, 1-3pm, Whitehead Auditorium. More info: Anu, x3-5302; or Kate, x3-6705.

EECS VI-A Orientation Lecture**—Feb 8: All Course VI sophomores interested in applying for the EECS Department's VI-A Internship Program with Industry and Government, 3pm, Rm 34-101.

RELIGIOUS ACTIVITIES

The Chapel is open for private meditation 7am-11pm daily. Regular Chapel services are:

Tech Catholic Community**—Weekday Mass Tues & Thurs 5:05pm, Friday 12:05pm, Saturday 5pm, Sunday 9:30am & 5pm. Call x3-2981.

Christian Science Organization**—Tuesdays at 7pm. Call x3-8797 or <lnorford@eagle.mit.edu> for further information.

Communitas-Life Together**—Protestant Worship Sunday at 11am. Sponsored by: American Baptist Church, United Church of Christ, United Methodist Church, Presbyterian Church (USA). Chaplain John Wuestneck, x2-1780 or <chaplain@mit.edu>.

Lutheran-Episcopal Ministry at MIT*—Wednesday worship, 5:10pm, followed by supper in the Bldg W11 dining room. Bible Studies, Sundays at 5pm, Bldg W11. Rev. Susan P. Thomas x3-2325.

MIT Orthodox Christian Fellowship**—Wednesdays at 5:30pm in Student Ctr DR 1 for dinner followed by Chapel Vespers. Mike Decerbo, Dorm x5-7569.

MIT Vedanta Society**—Fridays, 5:15pm. Meditation and discourse on the Bhagavad Gita, with Swami Sarvagatananda. More info: Dr. Cyrus Mehta, 661-2011.

Crimewatch

The following incidents were reported to the MIT Campus Police between Jan 21 - 26:

Jan 21: Bldg 7, room broken into and VCR stolen, \$260; DuPont, juggling ball stolen, \$5; Bldg 38, male arrested for breaking and entering and other related charges.

Jan 22: Senior House, 1) compact disc player, coat and wallet stolen, \$265; 2) laptop computer, and CDs stolen, \$1,350; DuPont, locker room, pants and wallet stolen, \$55.

Jan 23: Harvard Bridge, 12:20am, an MIT student was the victim of an armed robbery. The suspect approached the student and another individual and demanded money. Walker, speaker stolen, \$215; Bldg E19, \$1,600 cash stolen; Student Center, \$750 stolen from a student's ATM account; Bldg 68, portable CD player stolen, \$120; Bldg 7, suspicious package, examined and ok; Johnson Athletic Ctr, wallet stolen from bleachers, \$45.

Jan 24: East Campus, harassing phone calls; Bldg 3, checkbook stolen, \$150; Eastgate, harassing phone calls; Bldg E38, suspicious package, examined and ok; Amherst Alley, 35 mm camera stolen from a car, \$200.

Jan 25: Eastgate, domestic restraining order served.

Jan 26: Bldg 5, camera equipment stolen, \$2,000.

210, x3-9846. Open to MIT undergraduates. Deadline: April 13.

STUDENT JOBS

There are more job listings available at the Student Employment Office, Rm 5-119.

On Campus, Technical. Network Services is looking for a group of students to provide support to MIT's network users. We will be hiring consultants who are willing to work at least 7 hrs/wk in two hour increments, who are willing to commit to ongoing training in network technology and applications, who can provide consistent and reliable network support, and are responsible and dependable workers. Problem solving, patience, and communications skills are important. If interested, please send resume to Christi-Anne Castro, Rm E40-327 or <caastro@mit>.

Off Campus, Summer. Research assistant in a four person educational research office is needed, to work on a variety of research projects. Primary research will focus on college admissions, financial aid, and surveys of students and alumni. Work involves creation of data files, production of statistical reports from computer data files, preparation of graphics, data analysis and report writing, library searches, copying, and proofreading. Experience with word processing and statistical packages (SPSS preferred) a must; the office is a Windows environment. Must be able to work independently and with minimum supervision. Send letter and resume by March 15, 1995 to COFHE, 283 Main St, Cambridge MA 02142 or fax to 258-8280.

Off Campus, Non-technical. Babysitter needed for easy, joyful five year old boy every Saturday night, 6:30-9:30pm (sometimes 11 or 12). No smokers. Car is a plus. Call from 9am-6pm and leave a detailed message about yourself and your experience. A year commitment is requested. Ph: 924-4127.

On Campus, Non-technical. Technology Licensing Office: Office assistant needed; responsible for making copies of legal bills as a backup for TLO invoices, assisting with monthly invoices of licensees including perhaps packets for mailing and maintaining office financial files. The skills neces-

sary for the position are common sense, attention to detail, the ability to work independently, and good communication skills. The position begins immediately and will continue through the spring semester. A minimum of 15 hrs/wk is necessary. Contact Denise Villancourt at x3-6966.

Off Campus. Student needed to write Macros to convert Scrib and LateX to WordPerfect 6.0A for Windows 3.1. Call 864-6216 after 1pm.

VOLUNTEERS

The MIT Public Service Center has compiled the following volunteer opportunities.

Margaret Fuller Neighborhood House. This community center for individuals and families is looking for help on Sat-Sun February 11-12 from 10am-4pm. Help paint the food pantry and classrooms, set up some computers, and move some furniture. Contact: Margaret Myers, 547-4680.

Massachusetts Society for the Prevention of Cruelty to Children (MSPCC). Several research positions are available for the spring term for students interested in doing research with children and families and in gaining experience with a nation-wide longitudinal study. If you are interested call Andrea Sambrook at 227-2280.

Women's Rights in Belgrade. The American Friends Service Committee is looking for people who could volunteer for a couple of months in Belgrade. They need help writing papers, leaflets, and reports in the English language, as well as working in centers, on hotlines, and helping refugees. If you have nothing to do this summer and are committed to women's rights and want to do something about it, please stop by the Public Service Center, Rm 3-123.

Echoing green Public Service Fellowship. The echoing green Fellowship offers a one-year seed grant of up to \$15,000 with the possibility of second-year funding, to start a new public service organization or initiate an innovative program within an existing not-for-profit organization. Applications can be picked up at the Public Service Center (3-123) and are due back by February 20th.

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MIT President Charles M. Vest presented a book of letters of appreciation from present and former Knight Fellows to Knight Foundation President Creed Black, left, and Chairman Lee Hills, right, at a meeting last week in Miami. The occasion marked completion of permanent funding of the Knight Science Journalism Fellowship program at MIT.

Knight Fellowships are endowed

(continued from page 1)

MIT raised its quota from sources such as alumni, foundations, news companies and former fellows. As each of five annual goals was met, Knight Foundation added \$1 million to the growing Public Understanding of Technology and Science Fund at MIT.

Among the donors to the MIT effort were the Arthur Vining Davis Foundations of Jacksonville, FL; Cox Newspapers of Atlanta; Media General of Richmond; The McGraw-Hill Foundation of New York; the Garfield Foundation of Philadelphia; and Robert C. Cowen '49, a science journalist and advisor to the program. Some 70 former fellows also contributed.

The program began operations in 1982 with a total of \$1.5 million in commitments from the Alfred P. Sloan and Andrew W. Mellon Foundations, both original sponsors of the STS program. The fellowships are part of MIT's Program in Science, Technology and Society in the School of Humanities and Social Science.

Recent prizes awarded to former fellows include the 1994 AAAS-Westinghouse Science Journalism Award won by David Baron, a fellow in 1989-90 and now science reporter at WBUR-FM, Boston, and who also won the award in 1992; the Bradford Washburn Award of Boston's Museum of Science won by Paula S. Apsell, a

fellow in 1983-84 who is executive producer of NOVA at WGBH and a former AAAS-Westinghouse winner, and the first John B. Oakes Award for Distinguished Environmental Journalism won by Joseph B. Verrugia, a fellow in 1986-87 who is science reporter for the Rocky Mountain News in Denver.

On January 25, the current Knight Fellows met with Deborah Blum, science reporter for the Sacramento Bee, who won the Pulitzer Prize in 1992 for her reporting on the use of monkeys in medical and psychological research. Ms. Blum addressed a forum at MIT in 1992. Her book, *The Monkey Wars*, was published by Oxford University Press in October 1994.

Technology Review ranked 'most credible'

Technology Review, MIT's national magazine of technology and policy, has been ranked No. 1 in the nation in the "most credible" category and No. 6 in the "most objective" category in a sample survey of 300,000 leaders from business and government.

The "Opinion Leaders of 1994" survey, titled "A National Study of Contemporary Issue Involvement and Media Influence," was done by Erdos & Morgan, a widely recognized opinion-research firm in New York City.

The goal of the research, the company said, "was to determine involvement with contemporary issues and media use and influence among a group of prominent Americans who have been designated as Opinion Leaders."

The respondents were asked to evaluate 64 of the country's leading magazines and newspapers and 32 major television news programs. Respondents were selected for the survey only if they read the publication or viewed the programs at least occasionally.

Numerical scores were assigned with respect to each of five descriptors: influential, objective, current, credible and enjoyable.

"It was an honor simply to be included among the country's leading media," said Steven J. Marcus, editor of Technology Review, which also serves as the alumni magazine, "but then we ranked in the top 10 in two of the five categories."

The magazine also did relatively well in the three other categories.

In being named "Most Credible" Technology Review was ahead of Scientific American, The Economist, National Geographic, the New England Journal of Medicine, Science, the MacNeil/Lehrer News Hour, National Review, Smithsonian and the Harvard Business Review.

In the "Most Influential" rankings, the magazine was No. 13, just behind Science and well ahead of Scientific American, Business Week and The New Republic.

Even at No. 44 in the "Most Enjoyable" category, the magazine was in the top half of the magazines and news programs surveyed, ahead of The New York Times, Fortune, and the nightly half-hour news shows of the three major TV networks.

The magazine's poorest showing was in the "Most Current" category. "This is a seemingly poor showing,"

Mr. Marcus said, "but the result was heavily skewed by newspapers, news weeklies and TV programs—which virtually by definition are more current. But we did real well among other monthlies: nearly tied with Scientific American and ahead of the Atlantic, Audubon, Harper's and Smithsonian."

Charles H. Ball

More citations rankings listed

MIT is among the top 10 most influential schools in chemistry and physics, according to recent rankings by the Institute for Scientific Information (ISI). The rankings are based on the number of citations per paper in these fields between 1981 and 1993.

MIT ranked fourth in chemistry, behind Harvard, Caltech and the University of Chicago. The Institute ranked tenth in physics, behind Harvard, Princeton, the University of California

at Santa Barbara, the University of Chicago, the University of Pennsylvania, Caltech, Yale, Stanford and SUNY Stony Brook.

According to Science magazine, "in the course of making the physics honor roll, MIT turned out the most papers, nearly 8,500, indicating that quantity and quality can mix."

The rankings were published in the November/December issue of Science Watch, a publication of the ISI.

Eagar appointed head of materials department

Professor Thomas W. Eagar, recognized internationally as an expert in the physics and chemistry of welding and other metal-joining processes,



Eagar

has been appointed head of the Department of Materials Science and Engineering. Professor Edwin L. Thomas, widely noted for his work in polymer physics and engineering, has been named associate head.

The appointments, announced by Dean Joel Moses of the School of Engineering, were effective January 16.

Professor Eagar succeeds Professor Merton C. Flemings, department head since 1982.

Dr. Flemings, the Toyota Professor of Materials Processing, world renowned for his research and writings on the solidification processing of metals and materials, will return to teaching and research.

Dr. Eagar, the POSCO Professor of Materials Science and Engineering, is co-director of the Leaders for Manufacturing Program. Dr. Thomas, the Morris Cohen Professor of Materials Science and Engineering, is director of the Program in Polymer Science and Technology. He joined the faculty in 1990.

Professor Eagar has been involved in education and research relating to materials processing and manufacturing for many years. He assisted last year in the formation of the Materials

Processing and Manufacturing Institute, which places graduate students from several departments and schools within MIT in internships lasting seven months at industrial sites with close faculty supervision.

Professor Eagar, who received the SB (1972) and the ScD degrees (1975) from MIT, joined the faculty in 1976 after nearly two years with Bethlehem Steel Corp. He is widely recognized for his ability to bring quantitative understanding to a largely empirical field.

Professor Thomas's research centers on the relationships between processing and structure and how structure influences mechanical and transport properties in polymeric materials. He has made major contributions to the understanding of the phase morphology of block copolymers and to the nature of defects in ordered media. He was head of the Department of Polymer Science and Engineering at the University of Massachusetts before joining the MIT faculty.

He holds the BS degree in mechanical engineering (1969) from the University of Massachusetts and the PhD in materials science and engineering (1974) from Cornell University.

Dean Moses thanked Professor Flemings for his 12 years of service as department head. "Under Professor Flemings' leadership," he said, "the department experienced remarkable growth in the numbers of chairs and endowed fellowships. Thanks in large part to his efforts, the department is able to guarantee support to all incoming domestic graduate students."

The department also shifted its fo

(continued on page 4)

Arts advisory panel named

Dean Philip S. Khoury of the School of Humanities and Social Science, will chair an advisory group appointed by Provost Mark S. Wrighton to help him in selecting the next associate provost for the arts.

Professor Ellen Harris, MIT's first provost for the arts, announced in December that she will step down next summer after six years in the post to pursue a long-planned book about the music of George Frideric Handel. After her leave to write a Handel biography she plans to return full-time to the faculty in the Music and Theater Arts Program where she is professor of music.

Professor Wrighton said the person selected to succeed Professor Harris will be expected to build on her accomplishments and on her vision for the arts at MIT.

The advisory group will include faculty, students, staff and members of the Council for the Arts. The group is expected to be at work by mid-February. The provost's goal is to appoint a

successor who will take over at the start of the 1995-96 academic year, he said.

In addition to Dean Khoury, members of the advisory group are: Professor Anita Desai, an internationally acclaimed novelist, of the Program in Writing and Humanistic Studies; Institute Professor and Nobel Laureate Jerome I. Friedman of physics; Professor John H. Harbison, the noted composer, of music and theater arts; Dean William J. Mitchell of the School of Architecture and Planning; Professor Woodie C. Flowers of mechanical engineering, and Katherine G. Kline, director of the List Visual Arts Center.

Students Ivana Komarcevic, an undergraduate in mathematics and theater arts, and Suguru Ishizaki, a PhD candidate in media arts and sciences.

Consulting members to the committee are playwright A.R. (Pete) Gurney, professor of literature; John W. Kunstader '49, chairman of MIT's Council for the Arts, and Martin N. Rosen '62, vice-chairman of the council.

Nepf is '95 Doherty recipient

Heidi Nepf, assistant professor of civil and environmental engineering, has been awarded the 1995 Doherty Professorship in Ocean Utilization from the MIT Sea Grant College Program.



Nepf

Every year, the program selects one new faculty member for a supplemental award of \$25,000 per year for two years.

Dr. Nepf's research focuses on turbulence, mixing and contaminant transport in coastal waters and estuaries. With increased residential development, coastal areas are faced with increasing levels of pollution. Using the Doherty fellowship, Dr. Nepf will study the role that marsh systems play in regulating the flux of land-source pollutants and nutrients to coastal waters. The work will examine

the effects of vegetation on the hydrodynamics of small-scale marshes and coastal areas and help clarify the potentially cleansing role played by salt marshes.

Dr. Nepf received the MS and PhD degrees in civil and environmental engineering from Stanford University. She was a postdoctoral scholar at the Woods Hole Oceanographic Institution before coming to MIT.

In 1994, Frank Z. Feng, assistant professor of mechanical engineering, was awarded the two-year chair for his proposal to study wave-wave interaction due to nonlinear resolution.

The Doherty Fellowship, endowed by the Henry L. and Grace Doherty Charitable Foundation, encourages promising, non-tenured professors to undertake marine-related research that will further innovative uses of the ocean's resources. The area of research may address any aspect of marine use and/or management, whether social, political, environmental or technological.



Perched atop a tree, a hawk surveys the scene in McDermott Court. Photo by Donna Coveney

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- E-mail address (return address must be mit.edu): <ttads@mit.edu>
- Interdepartmental/Walk-in address: Calendar Editor, Rm 5-111.

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All extensions listed below are campus numbers unless otherwise specified, i.e., Dorm, Lincoln, Draper, etc.

MIT-owned equipment may be disposed of through the Property Office.

Deadline is noon Friday before publication.

■ FOR SALE

Airline ticket, one-way travel on Northwest Air, anywhere in US or Canada, valid through end of February, ask \$100 or bst. Annie x3-7691 or 643-0439 or <annick@mit.edu>.

Rollerblades, women's sz 7, wristguards/knee pads, \$75; Reebok "Step" plus 2 Step videos, \$60. Call x3-6158 or <janice@mit.edu>.

HP-12C Programmable Financial Calculator, bought last Sept., rarely used, w/owner's handbook, \$40. Elizabeth, x8-5402.

Celtics: 2 tickets to the following games @ \$39/ ticket: 2/5 vs Minn, 3/10 vs NJ, 4/7 vs Phil, 4/17 vs NJ. Jim x3-7774.

Hockey skates, brand spanking new (nvr used), CCM Tacks 352, left boot sz 5, right boot sz 5 1/2, \$75 or bst (bought for \$125). Tory x3-6395.

Nintendo system plus several games, \$75. John x3-0831 or 508-683-0825.

Three-speed bike, 26", \$30. Arthur x3-2720.

M's Bauer hockey skates, sz 7 1/2, \$35; equipped fish tank, \$125; 20-pc dinnerware, \$50; F-sz wd sofa bed fr, \$85; Obermeyer W's skisuit, fits 5'-5'4", \$135; W's down jacket, sz M, \$35. Kim 484-2379.

Sony Handycam Camcorder, incl all: remote, soft case, battery, recharger, blank tapes, orig receipts; sm in sz, used 2x, \$450 or bst; Compact elect typewriter, \$25. Janine x3-3096 or 508-785-2524.

Two occasional chairs, velvet upholstery, mauve; two barrel chairs, velvet upholstery, tangerine; \$35/ea or bst. Charlene x8-5427.

Donnay woodgrain keyboard underdrawer, slide-out, locks in place, incl padded wrist rest, 24wx14dx4h, \$30. Call x3-4860.

Q-sz waterbed, htd, 12-drawer base w/etched glass on headboard, ask \$300. Lisa, Linc x7420.

16 c.f. Magic Chef refrigerator, 6 yrs old, gd cond, great for 1st or 2nd refrig, \$150 or bst. Don, Haystack x5511 or 508-957-2774.

■ VEHICLES

1987 Ford Tempo, 39K, exc cond, no rust, \$2500. Josep 354-1441 or <josepmac@mit.edu>.

1990 Honda Civic hatchback, 30K, exc cond, 1 owner, a/c, 16 valve, 4-sp, Clarion AM/FM/cass, new Honda muffler, extra set snow trs, \$5000. Call x3-8146 or 484-9443.

■ HOUSING

Canberra, Australia: House avail for swap, 3BR, nr univs, avail 7/95-1/96, swap for pleasant housing for family of 4 convenient to MIT w/pkg. Tony Webb 61-6-2688352 or <twebb@adfa.oz.au>.

South Wellfleet: 3 1/2 BR cottage on beach w/ open deck, lovely vw, avail July, 2-wk min, \$1000/wk. Marion 484-4767.

Taking steps



Charm School taught all manner of things, including dancing, which Jung Yueh, a senior in mathematics, and Yi Chen, a senior in mathematics and computer science, engaged in.

Photo by Donna Coveney

Notes from the Lab

COMPUTER LOOKS AT 'STREAM OF MOTION'

With an eye toward developing tools for retrieval from large video archives, MIT scientists are teaching a computer to identify dance steps, such as the plié, from within a stream of motion.

There are two parts to the process being developed by Professor Aaron Bobick of the Media Lab and graduate student Lee Campbell. First, geometry extraction, the traditional focus of computer vision, is performed by a commercial system from Adaptive Optics Associates, Inc., that collects data about the position of the body in space.

Four infrared illumination cameras photograph a dancer who wears retro-reflective markers on her toes, ankles, knees, hips, shoulders, wrists and elbows. Three-dimensional trajectories of each marker generate a geometric model of the dance step. Next, the computer must understand the sequence of motions in a plié, for example, and it must recognize the beginning or end of a given step.

The dance step recognition system developed by Professor Bobick and Mr. Campbell locates the relative position of one part of the body with respect to another. The system then builds detectors for each step and labels the dance step appropriately. This recognition technique can be applied to a broad range of motions—hence its potential application in video retrieval.

The work is sponsored in part by Interval Research Corporation. (Source: Frames, a publication of the MIT Media Lab)

MODELING CHEMICAL REACTIONS IN AN ENGINE

The prospect of tightening regulations on vehicle emissions has prompted numerous engine tests to see how using different fuels changes the quantity and type of emitted hydrocarbons, key ingredients in the formation of smog.

MIT researchers led by Professor Simone Hochgreb of the Department of Mechanical Engineering are now taking a more fundamental approach to the problem. They are developing computer models that attempt to describe exactly how hydrocarbons in fuels break down chemically, change into different species, and (with luck) disappear inside a spark ignition engine. They have also developed a model describing processes inside the exhaust port, a chamber just outside the cylinder that serves as a passageway to the exhaust pipe. Predictions from the latter model correlate well with experimental measurements and suggest that chemical reactions taking place inside the exhaust port frequently produce new hydrocarbons that are longer-lived and more harmful to the environment than are the original hydrocarbons in the fuel.

The researchers are now tackling the more complex chemical reactions and mixing patterns that occur inside the cylinder. The work is sponsored by the Energy Laboratory's Consortium on Engine/Fuel Interactions and by the Coordinating Research Council. (Source: e-lab, a publication of the MIT Energy Laboratory)

This column features summaries of MIT research drawn from several sources. If you have an item to suggest, send it to Elizabeth Thomson, Rm 5-111, or <thomson@mit.edu>.

■ WANTED

Wanted to rent an apartment or house within easy reach of MIT for June, July and Aug 1995, lrg enough for family (4) on sabbatical. Contact <nbose@cam.org> or (514) 358-5934.

Visiting engineer from Switzerland w/wife & son sk furn apt or house (2BR or more), pref Belmont/Arlington area. Call x3-3598.

■ ROOMMATES

Cambridge: Room available in 3BR apt nr One Kendall Sq, \$325/mo. David x3-8570 or 491-3661 or x3-8570.

■ CHILDCARE

Mother's helper for family w/2 small children in Groton, MA, pt-time, 1 day/wk, must have car & current refs. Mrs. Campbell, <scamp@mit.edu> or (508) 448-3822.

Copley Square: experienced person needed to care for 19 months boy in our home, flexible 2 days & 2 evenings per week schedule. Call 617-267-9432 or 617-253-2118.

Infant care needed in Watertown, bus #71; 4-mo-old girl, 10 hrs/wk, 2-3 aftns, flexibility, parents in/out; non-smkr, fluent English or German, experience, re reqf. Kai von Fintel x3-3228 or 924-9487.

Charm School draws big crowds to courses

The third annual presentation of Charm School during IAP was the most successful yet, and many people have already inquired about participating in next year's event.

"I think this was our best attended in terms of both students and 'faculty,'" said Charm School "headmistress" Alberta Lipson, assistant dean for undergraduate education and student affairs. More than 80 people from the faculty, administration and student body taught mini-courses on subjects ranging from Clothing Statements and Personal Style to Walking, Doorway and Elevator Etiquette.

About 125 Charm School bachelor's, master's and doctoral "degrees" were conferred on attendees who collected coupons by passing individual courses. The "graduates" were entitled to the best seats in Rm 10-250 to hear a talk that evening by Judith Martin, aka Miss Manners.

New offerings this year included courses on Overcoming Shyness and

How to Deal With Difficult People and Difficult Situations. Among the most popular sessions were those on table manners, body language, small talk and attentive listening, and But-tering Up Big Shots, which for the last hour featured Paul E. Gray, Chairman of the Corporation.

Classes were held in Lobby 10 as well as Lobby 7. Toby Elliott, administrative assistant in UESA, circulated between the lobbies, handing out bright orange "fashion violations" to passers-by, listing infractions such as Facial Sandpaper, Using Both Straps on a Backpack and Dangerously Large Earrings.

"It's a unique event. It's very spirited and it brings people from different parts of the Institute together," Dr. Lipson noted. "It was a wonderful day."

Charm School is supported by the Office of Undergraduate Academic Affairs and the Peter De Florez Fund for Humor.

Alice C. Waugh

'Miss Manners' extolls virtues of etiquette in IAP address

(continued from page 1)

loss of life, limb or property, is continually being expanded in an attempt to outlaw rudeness and escalate the consequences thereof; thus, "old-fashioned insult gets redefined as slander or libel, plain old meanness becomes mental cruelty, and of course everything else is a major health hazard."

Some rules of etiquette involving dress and conduct change over time, such as the evolution to "ladies first" from "ladies never," Mrs. Martin said, but the underlying principles endure. Things like neckties may be viewed as arbitrary and impractical today, but dress-code elements provide "a tremendous fund of instantly perceptible non-verbal knowledge... a rich vocabu-

lary of symbolism which enables people to recognize essential attributes or intentions in one another," such as the presence or absence of respect, friendliness and solidarity with the community, she said.

Similarly, observing etiquette rules associated with everything from salad forks to funerals creates necessary social cohesion, Mrs. Martin said. "Ritual provides a reassuring sense of social belonging which is far more satisfying than behavior which is improvised under emotionally complicated circumstances." The only ritualistic occasions that the nation as a whole still observes, she added dryly, are the Academy Awards, the Miss America Pageant and the Super Bowl.

Thomas Eagar is named as head of materials science

(continued from page 3)

cus from primarily metals and ceramics, strengthening electronic materials and polymers. While department head, Professor Flemings also made important contributions to the profession including the important NSF study, Ma-

terials Science and Engineering for the 1990s, which he co-authored.

"We wish Mert all the best as he returns to teaching and research and look forward to his future contributions to the department, the School and the profession," Dean Moses said.

February Sale
\$30 Off
Prescription Glasses
50% Off
Bugle Boy frames

sales run through February 28, 1995
sales not valid with any other discount
\$30 off sale applies only to complete pair of prescription glasses, not Value Line
Bugle Boy sale on in-stock frames only, while supplies last (lenses at reg. price)
sorry, you can't combine the two offers

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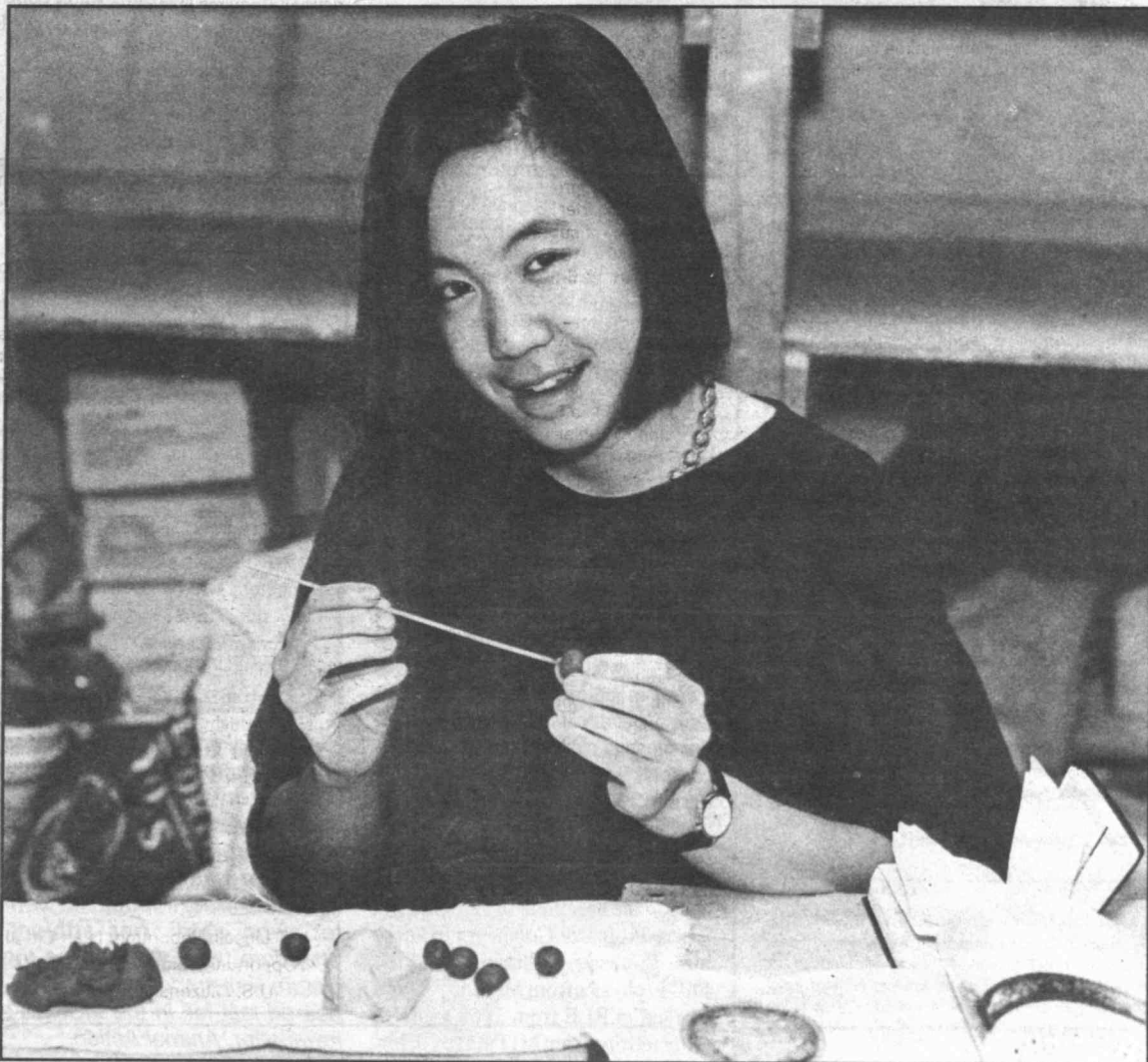
IAP '95



Hands-on training

Independent Activities Period gives participants a chance to learn skills they wouldn't pick up in a classroom during term. Above, Mary Mallowney, administrative assistant in ocean engineering, taught a course in palmistry. With a diagram of a hand projected behind her, she reads from the palm of Sue-Ann Woo, a senior in biology. Below left, Jennifer Wu, a graduate student in economics, tries her hand at bead-making in an activity offered at the Student Center. Below right, Christina Sorrentino, a graduate student in brain and cognitive sciences, carefully rolls sushi in a class taught by Debbie Samuels.

Photos by Donna Coveney



In the Musician Look-Alike Contest, William Fregosi and Edward Darna (right), both technical instructors in music and theatre arts, entertain onlookers as composer Charles-Henri Alkan and emcee Captain Hook. At left, judge Lowell Lindgren, professor of music, takes in the performance. Photo by Donna Coveney

Musical masquerade tops the charts

For his impression of a composer crushed to death by a bookcase, William Fregosi took top honors in the Musician Look-Alike Contest at the music library last Friday. At the light-hearted IAP event, which was organized by music librarian Peter Munstedt, several members of the IAP community dressed as their favorite composer. After their entrances to appropriate music, they were quizzed by Edward Darna, a technical instructor in the music and theater arts section, who was decked out as Captain Hook and served as MC ("which stands for musical curmudgeon," he explained). Three judges—music lecturer Pamela Ambush, Professor of Music Lowell Lindgren, and David Ferrero, the Libraries' associate director for pub-

lic services—held up scorecards after each contestant's turn. Mr. Fregosi, also a technical instructor in the music and theater arts section, won first place with his impersonation of Charles-Henri Alkan, a 19th-century composer who met an untimely end beneath piles of falling volumes ("Library staff, take note," he joked in a French accent as he lay under a cardboard mockup of a bookcase). Second prize went to senior library assistant Robert Hall as Sir Edward Elgar and third prize was won by Michael Noga, science library collections manager, as Anonymous ("a composer of all periods, all styles and all parts of the

world," noted Mr. Noga, whose face was obscured by a ski mask). Fourth prize went to freshman Megan Hepler as Madonna, wearing fishnet stockings and black leather top. The top four finishers won \$25 gift certificates to either the Coop or Newbury Comics. Also participating (and winning Toscanini ice creams) were senior library assistant Anne Battis in full habit as the "Singing Nun" of the 1960s; Xavier Leroux, a senior in mechanical engineering, as blind Spanish composer Joaquin Rodrigo, and Beth Siers, a senior in chemistry, as German soprano Annie Krull. Alice C. Waugh



Institute Calendar

* -Open to public
** -Open to MIT community only
*** -Open to members only

February 1 - 12

SEMINARS & LECTURES

WEDNESDAY, FEBRUARY 1

Using a Towed Video Microscope to Correlate Physics and Biology in the Great South Channel*—Ari Epstein, MIT/WHOI Joint Program. Physical Oceanography Sack Lunch Seminar, 12:10pm, Rm 54-915. More info: x3-0251.

THURSDAY, FEBRUARY 2

Cosmonaut and Pilot Training in Russia**—Lt. Col. Alex Rudchenko, PhD, Deputy Head of Training at the Gagarin Space Center. Sponsored by the Dept. of Aeronautics and Astronautics, 2-3pm, Rm 35-225. MIT community only.

Fact, Folklore and Rhetoric: The Problems of Science-based Industry in France, 1870-1914*—Robert Fox, Oxford Univ., UK. Sponsored by the Dibner Institute for the History of Science and Technology, 4pm, Rm E56-100. Please call or e-mail if you plan to attend: x3-6989 or <kontoff@mit.edu>.

MONDAY, FEBRUARY 6

The Real Crisis of the Academy: A Panel Discussion*—Jed Buchwald, Evelyn Fox Keller, Kenneth Keniston, all MIT. Spring Colloquium sponsored by the Program in Science, Technology, and Society, 4-6pm, Rm E51-004. More info: x3-4062.

TUESDAY, FEBRUARY 7

Is a 0.35 micron, 3.3 V CMOS the Last Mainstream Bulk Generation?—Ghavam Shahidi/IBM, East Fishkill, NY. MTL VLSI Seminar Series, 3:30pm refreshments, 4pm seminar, Rm 34-101. More info x3-8186.

Designing Protein-Protein Interactions*—Jim Wells, Genentech. Sponsored by the Biology Department, 4:15pm, Rm 10-250. Coffee and tea served before lecture.

WEDNESDAY, FEBRUARY 8

The Global Frequency-Wavenumber Spectrum of Oceanic Variability from Altimetry*—Prof. Carl Wunsch, MIT. Physical Oceanography Sack Lunch Seminar, 12:10pm, Rm 54-915. More info: x3-0251.

Probing the D-Region of the Lower Ionosphere Using Very Low Frequency Electromagnetic Waves*—Dr. Juan Rodriguez, Phillips Laboratory, Hanscom AFB. Special EECSS Seminar, 2pm, Rm 36-428. Refreshments, 1:45pm.

DNA Methylation and Development*—Howard Cedar, Hebrew Univ. Whitehead Institute Seminar, 4pm, Whitehead Main Auditorium. More info: x8-5186.

The Entrepreneur, Retail Shelf Space, Catalogs, and Distribution Channels*—Charles Leighton, Chairman & CEO, CML Group. Sponsored by the MIT Enterprise Forum, 6pm, Rm 10-250. \$8/members, \$12/non-members. Case Profile, 7:30-9pm, Binary Arts. More info: x3-8240.

THURSDAY, FEBRUARY 9

Coupled Cyclotron Project for Radioactive Beam Propagation*—Dr. Terry Grimm, National Superconducting Cyclotron Laboratory. Plasma Fusion Center Seminar Series, 10am, Rm NW 16-213. More info: x3-8101.

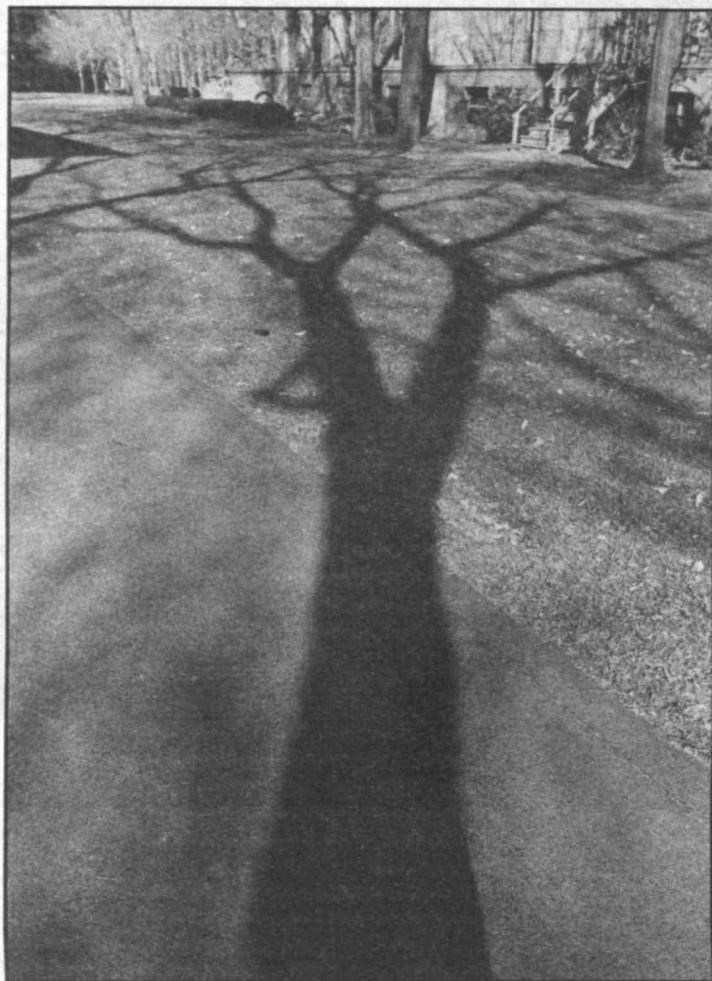
The Physics of Baseball*—Robert K. Adair, Yale Univ. Physics Colloquium, 4:15pm, Rm 10-250. Refreshments, 3:45pm. More info: <cruno@mit.edu>.

Militarized Prostitution in Korea: Life in G.I. Town*—Kim Yon Ja and Ahn Ilsoon. Kim Yon Ja is a former Korean bar woman turned activist; Ahn Ilsoon is a feminist writer. Part of the Women in Politics Series. 7pm, Rm 6-120. More info: x3-8844.

COMMUNITY CALENDAR

Physical Education Registration**—Feb 6: 11am-1pm, Rockwell Cage. For anyone in the MIT community wishing to take PE classes 3rd quarter (2/7-3/23). Registration is on a first come basis. All participants are required

Limb from limb



A tree's shadow spreads over the grass and walkway near Walker Memorial. Photo by Donna Coveney

Sports at MIT

BASKETBALL

Basketball player Keith Whalen scored the 1,000th point of his career in last Tuesday's game against Norwich University. Whalen, a junior center from Londonderry, NH, has moved into 12th place on the all-time MIT scoring list with 1,050 points. In the Norwich game Whalen also had a career-high 20 rebounds. For his efforts, Whalen was named the Constitution Athletic Conference Co-Player of the Week.

GYMNASTICS

Sophomore Sheila Rocchio led the MIT women's gymnastics team to a school record-equaling score of 170.525 in a meet with Division I opponents Vermont and Northeastern. Rocchio, a native of Sherborn, MA, scored 35.20 in the all-around and won the vault with a 9.375. For the men's team Chris Ellefson, a senior from Edina, MN, scored a 9 to win the rings event in a meet with Vermont and Dartmouth. Ellefson placed third in the all-around with a score of 45.30.

WRESTLING

The MIT wrestling team raised its record to 10-5 by taking two of three matches wrestled Saturday. The Engineers defeated Western New England by a 32-13 count and followed that victory with a 39-15 victory over Yale. Norwich University squeaked by MIT in the finale by a 27-22 count. Heavyweight Ben Helweg, a sophomore from Orinda, CA, won each of his three bouts by pin.

CREW

The MIT crews recently returned from their winter training trip to Miami, where the heavyweight men and women's crews swept the University of Miami in all events, winning the freshmen/novice, second varsity and varsity races at the sixth annual Miami Invitational. The men's heavyweight varsity set a course record.

Roger Crosley

to purchase an athletic card, with the exception of undergraduates taking classes for PE credit. Schedules available in duPont lobby. More info: x3-4291.

User Groups and Quick Start Classes**—Feb 1: Mac TechMail Quick Start, 12-1pm, Rm E40-302; Intro to X Windows, 2-5pm, Rm 1-115. Feb 2: Security on MITnet, 11am-12:30pm, Rm 3-133. Intro to X Windows, 2-5pm, Rm 1-115. Feb 3: FileMaker Tricks, 11:30am-1pm, Rm E40-302. Word Quick Start, 12:15-1pm, Rm 11-206. Feb 6: FileMaker Quick Start Class, 12-1pm, Rm E40-302. Feb 7: HTML Demo, 9-11am, Rm E40-302. Excel User Group, 12-1pm, Rm E40-302. Feb 8: Windows TechMail Quick Start Class, 12-1pm, Rm E40-302. Feb 9: FileMaker user Group, 9:30-10:30am, Rm E40-302. Feb 10: Excel Quick Start Class, 12:15-1pm, Rm 11-206. Sponsored by Information Systems.

Weight Watchers at Work**—Feb 7: Informational meeting about new session starting Feb 14. Find out about new fat & fibre program. More info: Rose Bella x3-4617.

Wives' Group**—Feb 1: Welcome to mem-

bers—an informal meeting and discussion. Feb 8: "Balancing Work and Family Life", Rae Simpson, MIT Family Resource Center. Meetings are from 3-5pm, Rm 400 Student Ctr. Babysitting is provided. All women in MIT community welcome. Info: x3-1614.

MOVIES

Admission to below Lecture Series Committee Movies is \$2.00, and MIT or Wellesley identification is required. For the latest Lecture Series Committee movie and lecture information, call the LSC Movieline, x8-8881, or check TechInfo. All movies are at 7 & 10pm in Rm 26-100 unless otherwise noted.

Feb 1: Hellbound Hellraiser II.

Next deadline for listings: 12 noon Friday, February 3. Covers events from Wednesday, February 8 through Sunday, February 19. Listings for the Institute Calendar and Student Notices may be e-mailed to <itcalendar@mit.edu> or mailed to Calendar Editor, Rm 5-111. Early submissions encouraged.

Here & There

Two MIT professors, both well-known authors, have published new books. Dr. Alan Lightman, a physicist who is professor of science and writing and head of the Program in Writing and Humanistic Studies, has



Lightman

produced his second novel, *Good Benito* (Pantheon), after winning wide acclaim last year for his first, *Einstein's Dreams*. And Dr. Noam Chomsky, Institute Professor and professor of Linguistics and widely known as a critic of US foreign policy, has written *World Orders Old and New* (Columbia).

In a review in The Boston Sunday Globe, novelist Carol Anshaw writes that *Good Benito* "is at its best when illuminating the passionate life of the theoretical physicist, which we don't really understand but assume must be compelling... For a brief moment, we see the beauty of living inside pure notion, unapplied idea, before the flying particles are turned into a toaster oven or thermonuclear device."

Poet and novelist Jay Parini, reviewing Professor Chomsky's book in the Globe, calls it "his best book in many years." In it, he writes, "Chomsky examines the Cold War in the half-mil-lennial perspective of his previous book. The results are quite surprising, and bracing... His work leads us to the inescapable conclusion that too much power has fallen into the hands of too few people, yet these people are able to 'manufacture consent.'"



Chomsky

Jeffrey I. Schiller, network manager for the Distributed Computing and Network Services (Information Systems), has weighed in with an article in Scientific American on "Secure Distributed Computing."

The article asks the question, "Electronic eavesdropping and sabotage threaten the privacy of information passing through computer networks. Short of posting guards over every foot of cable and forcing users to repeat their passwords with each command, how can managers protect their networks?" According to Schiller, a security system developed for the MIT campus offers a model that is convenient—and, so far, impregnable.

Dr. Allen J. Cohen, an MIT graduate and professor of radiological sciences at the University of California at Irvine, passes on word that his friend John B. Sanromá, at one time an instrument maker at MIT, recently turned 95 and is still an avid reader of Tech Talk.

Mr. Sanromá, who once made flutes for the Boston Symphony Orchestra, came to MIT during World War II. "Some of his many achievements," writes Professor Cohen, "were in building the camera that Doc Edgerton used to photograph the famous milk drop and building cameras for Jacques Cousteau's underwater expeditions."

Mr. Sanromá for many years was the instrument maker in the Research Laboratory Electronics machine shop in the basement of Building 20, where Professor Cohen got to know him. Professor Cohen received the PhD in physics from MIT in 1970 and worked in RLE from 1965 to 1970. After retiring from MIT at age 70, Mr.

Sanromá went to Northeastern University, where he ran the physics department machine shop for 20 years.

Mr. Sanromá and his wife Maude live at 5800 Kiva Lane in Scottsdale, AZ 85253, and would like to receive letters from friends and co-workers, according to Professor Cohen.

Two of MIT's most distinguished black graduates—Dr. Alan Letton and Dr. Lynda Jordan, both currently at historically black universities—are featured in articles in recent publications.

Dr. Letton, who received the SB in chemistry from MIT in 1980, originally thought of a career as a jazz musician, but his academic capabilities carried him to a PhD at the University of Cincinnati in chemical engineering and polymer science in 1984. His next stop was a position with Dow Chemical in Freeport, TX, and then in 1988 to Texas A&M as an associate professor of mechanical engineering. Then, last July, he became dean of the School of Engineering and Architecture at Tuskegee University. His story, written by Michael J. Major, and replete with instances of racism throughout his career, appeared in the Career Development Guide.

Dr. Jordan came out of one of Boston's toughest housing projects to receive the PhD in biological chemistry at MIT in 1985 and a prestigious fellowship at the Institut Pasteur in Paris, France. She is now an internationally known biochemist at North Carolina A&T and will be featured in an upcoming Public Broadcasting System series on female scientists. Her story, by B. Denise Hawkins, appeared in the December issue of Black Issues in Higher Education.

CLIPS

More often than not, when MIT faculty members talk to the press, their comments are likely to be compressed into a sentence or two. Dr. Bernard J. Frieden, professor of city planning and associate dean of architecture and planning, may have had the ultimate experience when he was interviewed by The Wall Street Journal for a story on the proliferation of aquariums in big cities as tourist attractions.

"I said a number of substantive things about why cities are building aquariums these days," notes Dr. Frieden, "but what the reporter quoted was an off-hand comment..."

The actual quote: "Suddenly everyone is interested in fish."

Dr. Frieden, an old hand at being interviewed by the media, took it all in stride and found it quite humorous.



"Best whiskers," said the judges in a cat-photo contest sponsored last year by the Massachusetts Society for the Prevention of Cruelty to Animals. The winning photographer was Terri Priest, staff associate in the Information Center, who said her subject, Theodore, was yawning as the picture was made. The photo appeared last fall in the MSPCA's newsletter, *Animal Action*.

The Arts

February at MIT

1 Weds

Triumph of the Will
"Playing Politics on the Screen: Film in the Battle of Ideas" (IAP Class #159). Screening of the 1936 German film. Introduction by Vlada Petric, Harvard Film Archive curator; discussion follows. 3-6pm, Bartos Theater (E15). 253-3649

Dean's Gallery Opening
Images from I's and O's: Digital Imagery by Phil McAlary (below). 4-5pm, E52-466. Show runs through March 16. Regular hours: weekdays 8-5pm. Michelle Fiorenza 253-9455



Salute to Doctor Seuss
IAP Class #276. Fourth annual Seuss-extravaganza of films and stories. 7pm, Killian Hall (14W-111). Prof. Henry Jenkins, 253-3068



Don't Read This!
IAP Class #140. A play about book-banning produced by teens at a Colorado library was to be performed at nine schools, but four canceled due to its controversial nature. 7:30-8:30pm, Rm 1-150. Ingrid Ulbrich, 734-9211

2 Thurs

Chapel Concert
Boston College Wind Quintet. Music by Reich, Poulenc, Nielsen. 12noon, Chapel.

Toons Auditions
A cappella group seeks MIT/Wellesley women students. Bring a prepared unaccompanied solo. Call-backs Feb 6. 7:30pm, Wellesley College Jewett Arts Ctr. Kim, 225-8461

3 Fri

Le Joli Mai (The Pretty May)
Screening of the 1963 French film. See IAP Class #159, 1 Weds above.

Rune Design-A-Logo Competition
IAP Class #459. Redesign the logo for MIT's journal of arts and letters and win \$50. Bring finished design to meeting for review. 3-5pm, Rune Office, Walker Memorial. David Zapol, 262-6935

3-5 Fri/Sun

Company
MIT Musical Theatre Guild production of landmark Stephen Sondheim musical. \$9, \$8 MIT community, \$6 MIT/Wellesley students. 8pm (except 2pm Feb 5). Student Ctr Sala de Puerto Rico. 253-6294

7 Tues

"Focus on the Arts 1995"
Betsy Connors of the MIT Museum presents recent work in holography (below) and video photography, and Katy Kline and Helaine Posner of the List Visual Arts Ctr preview their upcoming show, *War and Memory*. 11-1pm, President's House (111 Memorial Dr). Bring bag lunch; dessert and beverages provided. Register before Feb 3. Sis de Bordenave, 253-3656



8-9 Weds/Thurs

Iolanthe Auditions
MIT Gilbert & Sullivan Players auditions for mid-April production. 7-9pm, Student Ctr Rm 491. Bring prepared song; callbacks Feb 11. 253-0190



9 Thurs

Lyricum Woodwind Quintet
Innocentum Carmina for baritone and woodwind quintet by Hubert Lamb; Renaissance Suite arranged by Roseman; Farkas' Maschera for reed trio. 12noon, Chapel.

9-11 Thurs/Sat

Company Continues
See 3-5 Fri/Sun above.

The Skin of Our Teeth
MIT Dramashop production of Thornton Wilder's Pulitzer Prize winning play, directed by Alan Brody, head, Music and Theater Arts section. \$7,\$5 MIT students. 8pm, Kresge Little Theater. 253-2908

10 Fri

Kurosawa Film Festival
Sanjuro - 6:30pm. *Ikiru (To Live)* (below) - 8:15pm. *Throne of Blood* - 10:30pm. All in Japanese with English subtitles. Rm 1-390. Small donation. Comelia Robart, 253-2839



11 Sat

"Journey Into a Dream"
Semenya McCord (below) and Associates' annual concert in tribute to Martin Luther King, Jr. 8pm, Kresge Aud. 253-4003



12 Sun

Jazz and Spirituals
GNE Production Ensemble and Zim Ngqawana Quintet perform at conclusion of 6th Annual Martin Luther King, Jr. Youthworkers Coming Together Realizing the Dream Conference. 8:45am, Kresge Aud. 253-3287

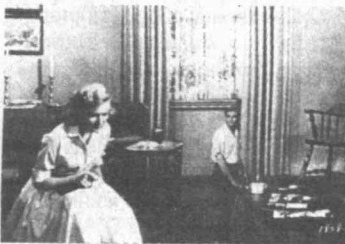
13-14 Mon/Tues

Man of La Mancha Auditions
Musical Theatre Guild production. Open to MIT/Wellesley students and members of the MIT community. Call 253-6294 for time and place.

14 Tues

Architecture Lecture
"Battle Lines: E.1027." Architecture Lecture Series talk by Beatriz Colomina, Princeton University. 6:30pm, Rm 10-250. 253-7791

"Postwar Masculinity in American Film"
Prof Henry Jenkins opens film series with lecture titled, "From *Bigger than Life* to *The Incredible Shrinking Man*: Masculinity in Crisis in Postwar American Cinema." Screenings of *Bigger Than Life* (Nicholas Ray, 1956); *The Incredible Shrinking Man* (Jack Arnold, 1957) (below). Presented in conjunction with *The Masculine Masquerade* exhibit at the List Visual Arts Ctr. 7pm, Bartos Theater. 253-4400



15 Weds

Compton Closing
mechanical e. motions@mit.edu. Arthur Ganson's kinetic sculptures address emotional and philosophical issues between the animate and inanimate, human and machine. Compton Gallery. Hours: Weekdays 9-5pm. 253-4444

16 Thurs

Pentamerus Winds in Chapel
Sweetinck's Variations on a Folksong; Mozart's Romanze and Menuetto from Serenade for 13 Instruments; Klughardt's Quintet in C Major, Op. 79; Ligeti's Sechs Bagatellen. 12noon, Chapel.

Poetry @ MIT
Joyce Peseroff and Jason Shinder. 7:30pm, Bartos Theater. 253-7894

16-18 Thurs/Sat

The Skin of Our Teeth Closes
See 9-11 Thurs/Sat above.

17 Fri

Affiliated Artist Concert
Charles Shadle, piano and Margaret O'Keefe, soprano. Works by Mozart, Fauré, R. Strauss, Shadle's Premiere of 3 Love Songs to Poems by James Joyce, II. 8pm, Killian Hall.

19 Sun

Masculinity in Films Continues
Male Initiations: *Stand by Me* (Rob Reiner, 1986); *Boyz n the Hood* (John Singleton, 1991). See 14 Tues above. 3pm, Bartos Theater.

21 Tues

Male Initiations in Film
Red River (Howard Hawks, 1948); *City Slickers* (Ron Underwood, 1991). See 14 Tues above. 7pm, Bartos Theater. 253-4400

22 Weds

AIDS Exhibit at Compton
AIDS: The Challenge to Educate. Opening of photographer Loel Poor's critically-acclaimed series of 150 black and white images describing the lives of people with HIV/AIDS (below). Show runs through March 17. Compton Gallery. Weekdays: 9-5. 253-4444



23 Thurs

Chapel Concert
Ventus: Barbara Shinn-Cunningham, oboe; Rebecca Carson Rogers, flute; Tom Kazier, clarinet; Stephen Rogers, horn; Stephen Korbet, bassoon. Works by Bozza, Farkas, Le Febvre, Beethoven, Nielsen. 12noon, Chapel.

Super 8-1/2
Boston-area premiere of a no-budget cautionary tale by Bruce laBruce which mixes thinly-disguised autobiography with hardcore sex scenes. "A pinnacle of perversity for queer cinema." Intro by and Q&A with director. (Snow date: March 2.) \$5. 7pm, Rm 10-250. 253-3599

24 Fri

More Kurosawa
Rashomon - 6:30 & 10:30pm. *The Bad Sleep Well* - 8pm. Both in Japanese with English subtitles. Rm 1-390. Small donation. Comelia Robart, 253-2839

MIT Concert Band
John Corley, director; Lawrence Isaacson, assistant director. 8pm, Kresge Aud. 253-2826

25 Sat

MIT Faculty Concert
Jugalbandi. A concert of North Indian classical music. MIT Lecturer George Ruckert, sarod (below), James Pomerantz, sitar. 8pm, Kresge Little Theater. \$10, \$5 with MIT ID.



The Angeles Quartet
The group (below) is currently recording all 68 Haydn String Quartets in a 5-year project and will perform two of them (Op. 1, No. 0; Op. 64, No. 6 and the Korngold No. 3, Op. 34). 8pm, Kresge Aud.



26 Sun

Male Relations in Film
East of Eden (Elia Kazan, 1955); *A River Runs Through It* (Robert Redford, 1992). See 14 Tues above. 3pm, Bartos Theater. 253-4400

27-28 Mon/Tues

Dramashop Auditions
For spring semester of *A Winter's Tale*. 7:30pm, Kresge Rehearsal Rm B. 253-2908

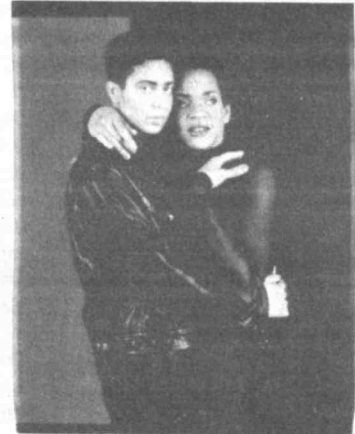
28 Tues

Architecture Lecture
"Cultures of Construction" - William Curtis, historian, critic, author. 6:30pm, Rm 10-250. 253-7791

Male Rituals in Film
Hail the Conquering Hero (Preston Sturges, 1944); *Coming Home* (Hal Ashby, 1978). See 14 Tues above. 7pm, Bartos Theater. 253-4400

All Month

List Visual Arts Ctr
The Masculine Masquerade: Masculinity and Representation (below). List Visual Arts Ctr: T/Th/F 12-6; W 12-8pm; Weekends 1-5; closed holidays. 253-4680. Curatorial Office Hours - Weds, 12:30-1:30pm. 253-4680



Ongoing Exhibits: *MIT Hall of Hacks*; *Holography: Artists and Inventors*; *Light Sculptures by Bill Parker*; *Math in 3D: Geometric Sculptures by Morton G. Bradley, Jr*; *MathSpace*.

MIT Museum, 265 Mass Ave. Hours: Tues-Fri 9-5, Sat-Sun 1-5. Admission: \$3; \$1 students, seniors and children 12 and under; free for members of the MIT community with valid ID. 253-4444

Hart Nautical Gallery
Course 13, 1893-1993: From Naval Architecture to Ocean Engineering and Permanent Exhibition of Ship Models. 55 Mass Ave. M-F 9-8. 253-5942

All events are free unless prices are noted. All concerts: 253-9800 unless otherwise noted. MIT Arts Hotline: 253-ARTS. Month-at-a-Glance is produced by the MIT Office of the Arts (253-4003) and ARTSNET. Design and production: MIT Design Services

Designing by hand



Jefferson Becker, 4, who attends the Technology Children's Center at Eastgate, gets into the act by painting flats for a production of *The Magic Flute*, which was performed on Tuesday in Killian Hall.

Photo by Donna Coveney

Microchip could restore lost sight

(continued from page 1)

In both conditions, the rods and cones—the cells that receive light—are destroyed. As a result, the healthy retinal ganglion cells that would have passed on the visual signals from the rods and cones cannot transmit that information to the brain. This renders a person blind.

To address this problem the researchers are working to create an ultra-thin microchip that can be surgically implanted on the retina. The microchip serves to bypass the defective rods and cones by stimulating healthy ganglion cells directly with tiny electrical currents. The researchers hope that this device will restore some vision to blind patients.

To date the team has designed and successfully bench-tested a prototype of the microchip powered by an external laser. The laser beam powers the chip via an invisible infrared beam that will also convey the visual information sensed by a tiny electronic camera (the researchers have not yet tested the laser with the camera). The camera and laser will both fit on a pair of eyeglasses.

Book delivery

If you need a book from a library on the other side of campus and don't have the time to walk over and pick it up, you can use the Libraries' delivery service, BOOKPAGE, to have it delivered to the library closest to you.

Requests for delivery can be made at the reference desk of any library, and if the material is available for loan, it will be delivered to the requested library within 48 hours. Only materials on four-week loan can be delivered through this service.

The researchers have also developed novel techniques for implantation through dozens of surgical experiments with animals and have completed a number of tests to determine the electrical stimulation thresholds of ganglion cells.

In addition, they have verified the biocompatibility of several implant materials in preliminary studies. They have since begun a comprehensive, year-long study of all materials that will be used in the implant.

While significant progress has been made since 1989, when the project started, many challenges still lie ahead. According to Professor Wyatt, the greatest is the potential for damage to delicate retinal tissue that can occur at the interface between the retina and the implant.

The immediate objective of the research team is to refine the method for applying the silicone coating now used on the implant. Tests have revealed tiny leaks in the coating, so a more reliable encapsulation method must be developed, possibly employing new materials. Even the smallest leak of salt from the eye into the implant would destroy the function of the chip.

The research team has already successfully recorded signals from the visual part of the brain of experimental animals following electrical stimulation to an area of the retina roughly as large as the implant will stimulate. The next major goal will be to surgically implant the completed prosthesis and verify the brain's response to the implant.

From there, the team will tackle other challenges. First, they plan to develop strategies to make the electrical stimulation as selective as possible for the desired cell types, with the hope of improving the quality of visual perception. Second, they will design and

build a second-generation implant capable of driving each of the stimulating electrodes separately rather than simultaneously as in the prototype version. Third, they will attempt to restore vision to animals that have been blinded by retinitis pigmentosa.

Fourth, assuming approval is obtained from the internal research approval boards, the team anticipates beginning work with blind human volunteers in about six years.

A dozen researchers at MIT and elsewhere are involved in the Retinal Implant Project. At Lincoln Laboratory, David Edell is an expert in neural prosthetic devices, Jack Raffel and Jim Mann contribute to microelectronics, and Terry Herndon contributes to microfabrication and materials. MIT research scientist David Brock is a polymer expert. He and Mike Socha of the Draper Laboratory are in charge of miniature mechanical design.

Ralph Jensen, a retinal neurophysiologist at Southern College of Optometry in Memphis, studies the electrical stimulation thresholds of retinal ganglion cells. Sumiko Miller, a research affiliate at MIT's RLE who is also affiliated with the Massachusetts Eye and Ear Infirmary, measures cortical responses of experimental animals to retinal stimulation. Dianna D'Souza is surgical and administrative assistant at Mass. Eye and Ear. MIT graduate students Andy Grumet and Alan Gale, both of EECS, are doing research on electrical stimulation of nerves and signal processing, respectively.

The work is currently supported by private grants from the Seaver Institute, the Lions Club and the Joseph Drown Foundation. Additional funds are being sought to carry the work forward to the stage of human testing.

Awards & Honors

■ Dr. Lotte L. Bailyn, T. Wilson Professor of Management at the Sloan School of Management,



Bailyn

has been appointed 1995-97 Matina S. Horner Distinguished Visiting Professor at Radcliffe College. The announcement was made by Radcliffe President Linda S. Wilson. Professor Bailyn's appointment will begin in September 1995.

As Horner Visiting Professor, Dr. Bailyn will examine issues related to women, work and the economy in conjunction with the staff and fellows at the Radcliffe Public Policy Institute. The Institute works to engage women as full partners in governing society and shaping policy on important economic and social issues.

"Professor Bailyn is a renowned scholar and an eminent Radcliffe alumna," said President Wilson. "We are indeed delighted that she will play an integral role in launching the Public Policy Institute, one of the college's most important new ventures."

Professor Bailyn said, "I have long been concerned with the intersection of employment and private lives. To be able to connect this work with the Radcliffe Public Policy Institute is a wonderful opportunity. I plan to pursue these issues in a much broader context, especially as they relate to the changing patterns of women's and men's roles in the economy, the family and in public life."

■ Dr. Robert S. Langer Jr., Germeshausen Professor of Chemical and Biomedical Engineering, and his former research associate, Dr. David Edwards, have received the Ebert Prize for the best report of original research in the Apha/ACS Journal of Pharmaceutical Sciences. Dr. Edwards is the lead author of the paper, "A Linear Theory of Transdermal Transport Phenomena," and will receive the silver medal. He has recently joined the faculty in Penn State's Department of Chemical Engineering.

■ Dr. JoAnne Yates, associate professor of management at the Sloan

School of Management, has been awarded the 1993 Newcomen Prize for the best article published in Volume 67 of the Business History Review. Her article, "Co-evolution of the Information-Processing Technology and Use: Interaction Between the Life Insurance and Tabulating Industries," was published in the spring 1993 issue of the journal. The prize is \$300 and a certificate.

■ Dr. Jackie Y. Ying, Thomas D. and Virginia W. Cabot Career Development Assistant Professor of Chemical Engineering, has received the 1995 American Ceramic Society Ross C. Purdy Award for "making the most valuable contribution to the ceramic technical literature during 1993. The paper on "Structural Evolution of Colloidal Silica Gels to Ceramics," written with two colleagues from outside MIT, was selected from more than 500 articles published in the Journal of American Ceramic Society. It involves a novel processing that replaces the expensive modified chemical vapor deposition method in generating high-quality silica cladding for optical fiber applications.

■ Richard A. Young, a professor in the Department of Biology, was recently elected to Fellowship in the American Academy of Microbiology. Fellowship is the highest honor the Academy bestows. The Academy recognizes distinction in all areas of the microbiological sciences, promotes professional recognition and fosters the highest scientific standards among microbiologists. Professor Young is also a member of the Whitehead Institute for Biomedical Research.

■ Science writer Joseph B. Verrengia, a Knight Science Journalism Fellow in 1986-1987, has received the first John B. Oakes Award for Distinguished Environmental Journalism. The \$3,000 prize from the Natural Resource Defense Council was awarded for Mr. Verrengia's series, "Vanishing Colorado: 150 Years After Fremont" published in the Rocky Mountain News on August 14-21, 1994. Verrengia received the award from Thomas Winship, former editor of The Boston Globe and an adviser to the Knight Fellowships, who chaired the committee of judges, in a ceremony at the Harvard Club in New York City.

Obituaries

ROGER GILSON

Roger Gilson, 37, an editorial assistant in the Laboratory for Nuclear Science, died on January 23 in Payson, UT, following a long illness. Mr. Gilson, formerly of Stoneham, worked at MIT from 1983-1994. He is survived by his mother, Charlene Ashworth, and a sister, Pauline Furr.

HELEN WHALEN

Word has been received of the December 24 death of Helen Whalen, 82, of Hull. Mrs. Whalen was a support staff member in telecommunications from 1964 until her retirement in 1977. Her survivors include a daughter, Rosemary Polaski.

Team makes recommendations for reengineering 'temp' hiring process

(continued from page 1)

with about 70 percent of the temporary help currently at work here.

Because many secretarial and clerical "temps" are listed with more than one agency, the probability is good that most of the temporary help currently assigned to MIT will be able to continue working here, the team said.

"We realize that there will be special circumstances regarding the transition of current temporary employees from other agencies, and the implementation team will address those issues on a case-by-case basis," said the redesign team's captain and spokesperson, Diane M. Devlin, assistant director of purchasing.

The Institute spent about \$1.7 mil-

lion last year for temporary secretarial and clerical help. The change will meet the team's overall goal of reducing the cost of acquiring goods and services while improving MIT's procurement process.

The Supplier Consolidation Team's work required an understanding of the needs of the community, industry trends and supplier capabilities. The team determined that the process of supplier consolidation works best when the service or commodity is a large annual expense—usually greater than \$1 million a year—and there are many firms that can supply the service. Temporary services met those criteria and therefore were one of the first projects of the Supplier Consolidation Team.

After evaluating proposals from a number of firms, team members recommended that Sterling/Olsten Staffing Services be MIT's primary supplier and work as a partner with the Institute in meeting temporary help needs. According to Ms. Devlin, this arrangement will give MIT "consistent quality and availability, price uniformity and competitive rates, and better overall reporting capacity."

"This partnership arrangement with one firm has other benefits as well," Ms. Devlin said. "By providing a single point for all temporary help needs, it will create a pool of 'MIT-knowledgeable' temporary employees to ensure consistency and customized service. Sterling/Olsten will also coordinate

billing, and provide management reports with the detailed information needed for financial control and planning."

The purchasing department will channel all requests for temporary office help to Joseph Allen, Sterling/Olsten's administrator for the MIT program. Mr. Allen has an office in Kendall Square and will be available to assist with the entire program. Joanne Jones of MIT General Purchasing will be the Institute's program manager. Both will be available to answer questions.

The Supplier Consolidation Team has worked closely with Sterling/Olsten to define respective responsibilities and create an implementation timeline to ensure a smooth transition. Once the

final negotiations are completed, a series of informational workshops and meetings will be scheduled to inform the community of the benefits of this arrangement and to discuss transition issues. "Until this occurs, it will be business as usual," said Ms. Devlin. "Our primary goal is to make this process as seamless as possible."

If members of the community have questions or comments, they can contact the implementation team by calling Joanne Jones at x3-8350 or Steven C. McCluskey at x3-8348. They may also contact Supplier Consolidation Team members Peter Roden at x3-0147 or Diane Devlin at x3-7035. E-mail can be sent to the Supplier Consolidation Team at <supcon@mit.edu>.