



Safety fair

The MIT Campus Police, in conjunction with the Child Care Office, the Medical Department and the Housing Office, will conduct the first annual Family Safety Fair next week.

The Fair will be held Tuesday, Sept. 19, at Eastgate, and Wednesday, Sept. 20, at Westgate. Both sessions will run 6-7pm and are aimed at the children in those complexes.

Children can sit behind the wheel of the police cruiser and see what's inside the ambulance. McGruff, the Crime Fighter Dog, will be on hand to give honorary police badges to all visiting kids.

Parents will have an opportunity to meet personnel from the sponsoring agencies and will learn about services available to them and who to call in an emergency. Refreshments will be served.

Grad parking

Graduate students who live outside Boston, Cambridge and Somerville are eligible to apply for a commuter parking permit. Such permits are limited and distributed on a first-come, first-served basis. All permits are for outdoor lots on the west end of the campus.

Applications will be accepted in the Campus Activities Office, Rm W20-549, daily 9am-5pm. Applicants need MIT ID, the vehicle registration, proof of the fall term address and \$10 (cash or check).

Book club begins

Toni Morrison's Pulitzer prize winning novel, *Beloved*, is the first literary selection for the newly formed book discussion club at MIT for people over 40.

Join co-leaders Eleanor Bonsaint and Peter Valente for the first meeting Thursday, September 21, from 6-8pm in the Emma Rogers Room (10-340). Refreshments will be served.

To be placed on a mailing list for future book discussions, or for more information, call Ellie at x3-5763 or Peter at x8-2726.

Directory issued

The Alumni Association has published the 1989 Alumni/ae Directory. It includes an alphabetical list of living alumni/ae and addresses; and name listings of deceased alumni/ae, undergraduates by class, departmental affiliation and geographical location. The price for the book is \$38. The Directory is available only to MIT alumni/ae and staff members.

Also available is *MIT: A Portrait*, a 9 x 11 1/2-inch hardcover volume of full-color photographs by Robert Llewellyn. The book shows MIT's people, activities and places as well as the Boston and Cambridge environment. The price is \$35; discounts are available for orders of 25 or more books.

To order either book, call Francesca DiMaio, x3-8261, Rm 12-090

Harris assumes major arts post

By CHINA ALTMAN
Arts Communication Director

Ellen T. Harris, a distinguished scholar of music who also is known widely as a soprano soloist, arrived officially at MIT this month to take up her position as MIT's first Associate Provost for the Arts, it was announced this week by Provost John M. Deutch.

She comes here from the University of

Chicago where she was professor of music and head of the Department of Music. As a scholar she has been recognized for her work on the music of George Frederick Handel. As a singer she is best known for her dramatic stage performances.

At MIT she also has been appointed professor of music.

Her arrival on campus is the final fulfillment of a set of recommendations made

in November 1987 by the Arts Review Committee headed by Paul L. Joskow, professor of economics. "Of most importance," Professor Joskow said at that time, "is the need to appoint a senior administration official who is also a faculty member in either the performing or the visual arts, to take broad responsibility as an advocate, leader and coordinator of the creative arts program at MIT."

Professor Deutch said, "The position of associate provost for the arts is central to enhancing our current program in the creative arts and to success in pursuing new initiatives. MIT is enormously fortunate to have attracted a person of Ellen Harris's distinction to our faculty and I greatly look forward to working with Professor Harris to strengthen the arts at MIT."

What is their place?

In an early interview, Professor Harris gave the following answer when asked to

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Aero & Astro to mark 50th anniversary

Course 16's roots extend back to the era just following the Wright brothers' first flight and its branches reach to the Moon and beyond. During its growth, three other MIT departments have sheltered and nourished it.

This week the Department of Aeronautics and Astronautics and many of its alumni will celebrate the 50th anniversary of the department's establishment as an independent academic department within the School of Engineering.

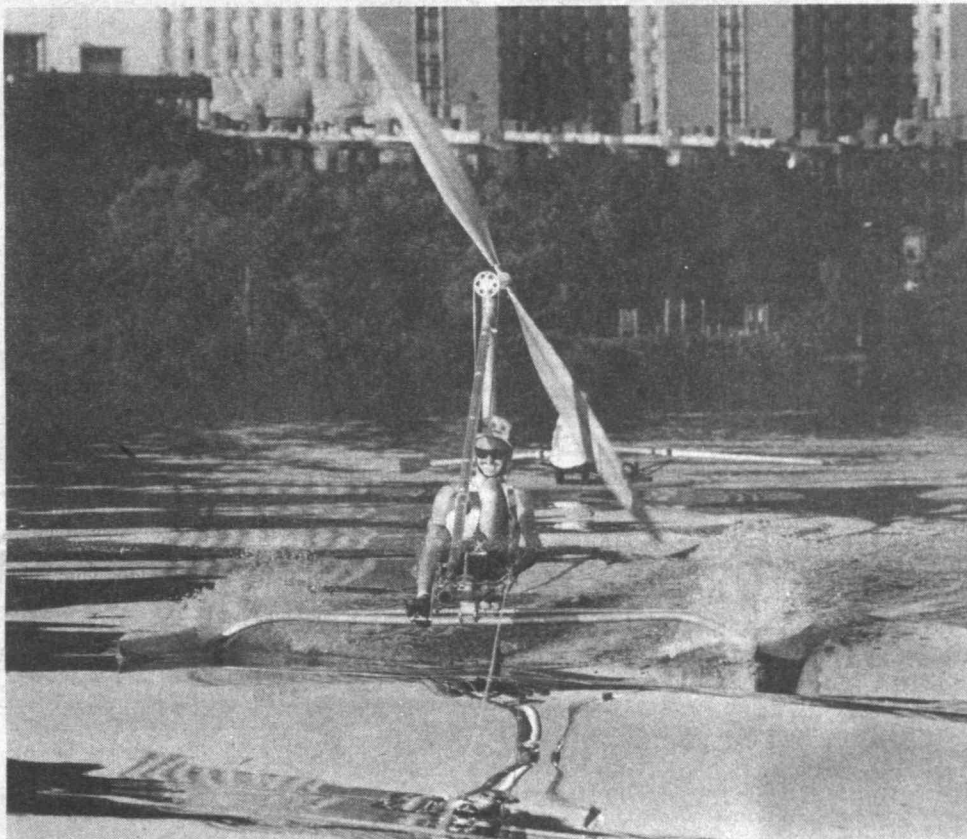
Festivities will begin Friday afternoon, Sept. 15, with a tour of the department's facilities. This will be followed by an introductory lecture by former faculty member and US presidential science advisor, Dr. H. Guyford Stever. Saturday's program will feature a host of lectures that will both look back on the history of the department and provide a glimpse of the future of aeronautics and astronautics.

Course 16 has a venerable history that traces back to aviation's earliest years. It was the first college program in aeronautical engineering in the United States. In 1914, MIT began awarding a masters degree in aeronautics as part of the Department of Naval Architecture and Marine Engineering's curriculum.

The program was inaugurated in 1913 by Jerome C. Hunsaker '12, who in 1939 would begin serving as the first aeronautics department head. One of the program's first students was aviation pioneer and later airplane builder Donald Douglas '14. His name survives to this day in the McDonnell Douglas Corporation.

The masters degree in aeronautics program remained within Naval Architecture

(continued on page 8)



Assistant Professor Mark Drela pilots the hydrofoil Decavitator in a water test on the Charles River.

—Photo by Donna Coveney

Now a human-powered hydrofoil

By DONNA COVENEY
Staff Photojournalist

Jet skis, move over. MIT's human-powered hydrofoil, The Decavitator, is 40 pounds of sheer energy on water—that is, with a person at the pedals.

Built of carbon fiber Kevlar and thin-wall aluminum tubing to compete in a contest administered by the International Human-Powered Vehicle Association on September 17, on Lake Adrian, Michigan, the Decavitator will be humming along at a cool 20 knots, it is hoped. Its propulsion system—a pedal-driven air propeller—is similar to that of MIT's record-breaking human-powered aircraft, Daedalus, which flew 72.44 miles in 1988 between the islands of Crete and Santorini in Greece.

DuPont is awarding a prize of \$25,000 for the first human-powered vehicle to reach a speed of 20 knots (about 23 mph) over 100 meters.

Mark Drela, MIT assistant professor of aeronautics and astronautics, who oversaw the project and who will be the initial pilot for the hydrofoil, expects about five other entrants, including some other hydrofoils and some hovercrafts. "Hydro-

foils are definitely faster, though," he said.

He described the Decavitator, a hydrofoil, as "a human-powered water vehicle; a cross between a recumbent bicycle, a crew shell, and an air boat." The latter skims the surface of the water using an air propeller. A hydrofoil has water wings under the water surface which support the craft.

Webster's dictionary defines cavitation as: "The formation of partial vacuums in a liquid by a swiftly moving solid body (as a propeller)."

When asked where they came up with the name Decavitator, Drela grinned and said, "Well, it's (cavitation) a common problem on boats with water propellers, and so we try to eliminate the problem. . . It's a pun."

Bryan Sullivan, MIT SM '86, initiated the project. Members include Matt Wall, graduate student in the Leaders for Manufacturing Program; Marc Schafer, aeronautics and astronautics 1990; Jim Thorne, mechanical engineering 1990; Erik Saarma, aeronautics and astronautics 1990, and Harold Youngren, graduate student in aeronautics and astronautics.

Renovated Faculty Club offers expanded service

Finishing touches are being applied to the new decor at the Faculty Club, restoring it to the original style of the building, as it reopens this week.

For example, visitors will notice that the architectural devices and floor of the Club's foyer and lounge now mirror those

of the Sloan Building's lobby. It is a modified art deco design popular at the time the building was constructed (1938) as the world headquarters of Lever Brothers. MIT acquired the building in 1951.

The physical changes at the Club, which reopened for lunch and dinner Monday,

will be accompanied by major programming changes in the Club's operation, according to Lawrence E. Maguire, director of Housing and Food Services.

"This year the Faculty Club will extend free membership to all members of the

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Schrock named Keyes Professor

One of the world's leading researchers in the area of inorganic and organometallic chemistry, Professor Richard R. Schrock, has been appointed to the Frederick G. Keyes Professorship in the Department of Chemistry, Dean of Science Gene M. Brown has announced.

Dr. Schrock, 44, has been a member of the Chemistry Department faculty since 1975.

The Frederick G. Keyes Professorship is named in honor of Professor Frederick G. Keyes, who was head of the Department of Chemistry from 1922 to 1942. Current department head Mark S. Wrighton said, "Dr. Schrock is one of chemistry's leading scholars. He has made enormous contributions that will have lasting fundamental consequences and will very likely have practical importance in the chemical industry. The Department of Chemistry at MIT is proud to have Richard Schrock as a member of its faculty."

Dr. Schrock received the BS degree in chemistry from the University of California at Riverside in 1967 and his PhD in chemistry from Harvard University in 1971. After postdoctoral work at Cambridge University in the United Kingdom, he joined E.I. DuPont in 1972 and came to MIT as an assistant professor three years later. In 1978 he was promoted to associate professor and to professor in 1980. During 1986 he was a Sherman T. Fairchild Distinguished Scholar at the California Institute of Technology.

Professor Schrock has made major contributions that have opened new areas of research and development, especially in the understanding and development of homogeneous catalysts for reactions of hydrocarbons. "Schrock chemistry" is known worldwide and is followed avidly by many research groups.

Among Dr. Schrock's early contributions was the discovery of metal complexes

of carbenes, CH_2 , which led to the synthesis of new catalysts and a detailed understanding of their function. Professor Schrock has developed homogeneous catalysts that bring about the rapid metathesis of alkynes at room temperature. Alkyne metathesis involves the apparent cleavage and reassembly of carbon-carbon triple bonds, which are among the strongest chemical bonds known.

Colleagues say that elegant syntheses and mechanistic sophistication typify Professor Schrock's research contributions. Fundamental insight into the nature of metal-carbon bonds comes from his work—an example is the preparation and structural characterization of a tungsten complex having simultaneously a metal-carbon single, double, and triple bond to three different ligands.

Recently, he has pioneered the use of organometallic catalysts to effect the polymerization of strained, cyclic olefins. The so-called ring opening metathesis polymerization (ROMP) yields "living polymers" which allows formation of block co-polymers. ROMP is a new way to make molecular materials having novel properties and one of the few ways available to make well-defined block co-polymers.

His research is also directed towards catalytic reactions of nitrogen, N_2 , with emphasis on conversion to ammonia, NH_3 , via homogeneous processes under ambient conditions.

Professor Schrock has served as the associate editor for the American Chemical Society's journal *Organometallics*. He has been involved with numerous other professional activities connected with the American Chemical Society. He has also served on the NSF Chemistry Advisory Committee, 1979-1981, and on an NIH Metallobiochemistry Study Section, 1983-1987.

Professor Schrock's honors include the American Chemical Society Award in Organometallic Chemistry, conferred in 1985. He was a Fellow of the Alfred P. Sloan Foundation, 1976-1978, and a Camille and Henry Dreyfus Foundation Teacher-Scholar, 1978-1983. In 1989 he was elected to the American Academy of Arts and Sciences.

Two are appointed in Public Relations

Frances Helmstadter and Ruth T. Davis have joined Public Relations Services as head of the International Visitors Office and editor and production manager in the Communications Office, respectively.

The appointments were announced by Kathryn W. Lombardi, executive assistant to the president and director of Public Relations Services.

As head of the International Visitors Office Ms. Helmstadter will advise the MIT community regarding the concerns of international visitors, such as immigrant and non-immigrant visas and their advantages and disadvantages.

Before coming to MIT, Ms. Helmstadter was advisor to foreign academic staff members at Cornell University for nine years.

Schoettler funds Course I fellowship

Frank W. Schoettler '36, a graduate of what is now the Department of Civil Engineering, has funded the department's first named graduate student fellowship—the Frank W. Schoettler Fellowship.

Mr. Schoettler, of Louisville, Ky., retired recently as president of Struck Construction Co., a 125-year-old company. Mr. Schoettler's grandfather worked for the firm as a cabinet maker for many years and his father was one of a group that bought the company years later. Mr. Schoettler started as a timekeeper and engineer after graduating from MIT and rose to head the firm which has built many office buildings and public facilities in the Middle Atlantic states and Ohio.

Mr. Schoettler, who is childless, created the fellowship to help young people continue their MIT education.



Ms. Helmstadter



Ms. Davis

Prior to that she was student activities assistant, also at Cornell, and a teacher of high school English at George Junior Republic in Freeville, N.Y.

Ms. Helmstadter holds the BA from Washington Square College of New York University and the MA in English from the University of Pennsylvania.

Ruth Davis will assume the day-to-day responsibilities of the Communications Office's cyclical series of publications, including the Courses and Degree Programs Catalogue, in her new position as editor and production manager in that office.

Ms. Davis was most recently a freelance copy editor/proofreader; her clients included WGBH, Fidelity Investments and MIT. Before that she was senior artist for Hub Mail Advertising, Boston, and composition coordinator for Rivkind Associates, Stoughton.

She holds the BA in English from South-eastern Massachusetts University and the MA in journalism from Northeastern University.



New Knight Fellows are from left (top): Dan Charles, freelance, Washington, D.C.; Victoria Churchville, *The Washington Post*; (middle row) Shigeko Segawa, *Newton* magazine, Tokyo; Judy Foreman, *The Boston Globe*; James Erickson, *The Arizona Daily Star*, Tucson; Atsuko Tsuji, *Asahi Shimbun*, Tokyo; David Bjerklie, *Time* magazine, New York; Nena Uche, *The Guardian*, Lagos, Nigeria; Victor McElheny, Director; Joseph van den Broek, *Chemisch Magazine*, Leiden, The Netherlands; David Baron, *WBUR-FM*, Boston; (foreground) Linda Lowe, Program Administrator; Yoshio Takano, *Yomiuri Shimbun*, Tokyo; Monte Basgall, *News and Observer*, Raleigh, North Carolina; John Nielsen, freelance, Orange County, California; and Alvaro Pereira, Jr., *Folha de Sao Paulo*, Brazil.

—Photo by Paula M. Lerner

Knight Fellows begin year here

Six science journalists from overseas joined eight American colleagues here last week as the 1989-90 Knight Science Journalism Fellows began their academic year at the Institute. Selection of the Americans was announced in the May 24 issue of *Tech Talk*.

The Knight Fellows, the seventh group of journalists to study at MIT in a program that began in 1983, are scheduled to meet President Paul E. Gray at a welcoming reception from 4-6pm tomorrow (Thursday, Sept. 14) in the Vannevar Bush Room. The reception is sponsored by Technology Review and the MIT News Office.

The overseas Fellows are from four continents: Asia, Africa, Europe, and South America. The first Knight Fellow from Africa is Ms. Nena Uche, 29, science correspondent for *The Guardian* in Lagos, Nigeria.

The European Fellow is Dr. Joseph M. van den Broek, 38, senior editor of *Chemisch Magazine* of Leiden in the Netherlands. He is the third Knight Fellow from Europe to be supported by the German Marshall Fund of the United States.

From South America, with the help of Fulbright funds, comes Alvaro Pereira, Jr., 26, science reporter of the newspaper, *Folha de Sao Paulo*. He is the second Knight Fellow from Brazil.

All three Asian Fellows are from Tokyo, Japan: Ms. Shigeko Segawa, 27, of *Newton* magazine; Ms. Atsuko Tsuji, 36, of the *Asahi Shimbun*, a leading newspaper; and Mr. Yoshio Takano, 35, of the *Yomiuri Shimbun*, another leading newspaper. Mr. Takano is the second science journalist from *Yomiuri* to join the MIT program, and the fourth to receive support through the US Japan Educational Commission (Fulbright Program).

The Knight Fellowships are supported by a seven-year operating commitment made in 1987 by the program's principal sponsor, the Knight Foundation of Akron, Ohio. Earlier this year, as announced in *Tech Talk* on June 14, the Foundation issued a \$5-million challenge toward endowment, with an additional \$2.5 million to be raised by the Institute over the next five years.

—Victor Mc Elheny

Kawasaki Chair established

Kawasaki Heavy Industries, Ltd., one of Japan's major industrial companies, has endowed with a gift of \$1.5 million a professorship in engineering related to advanced, complex systems.



Dr. Masubuchi

Dr. Koichi Masubuchi, a native of Japan who has been a member of the MIT faculty since 1968, has been named the first holder of the Kawasaki Professorship. Kawasaki Heavy Industries is a machinery manufacturer whose principal business lines are ships, aircraft, rolling stock, buses, engines, construction machinery, marine machinery, industrial machinery, atomic energy machinery, oil hydraulic machinery, medical equipment and steel products. Its name is widely known in the United States for its motorcycles.

Professor Masubuchi, who holds a joint faculty appointment in the Department of Ocean Engineering and the Department of

Materials Science and Engineering, is an expert on the design and fabrication of marine and aerospace structures such as ships, submarines, offshore structures and space vehicles. He is recognized internationally for developing techniques to make welding possible in the deep ocean and in outer space.

In 1986 Professor Masubuchi was given a special award from the Minister of Foreign Affairs of Japan. The award recognized his academic contributions and his work to strengthen ties between the United States and Japan mainly through his work with Japan-related societies in this area.

Professor Masubuchi, 65, was born in Hokkaido, Japan, and received his BS (1946), MS (1948) and PhD (1959) in naval architecture from the University of Tokyo. He became a citizen of the United States in 1973. He and his wife, Fumiko, live in Arlington.

It's a fact

The world's largest open collection of science fiction books and magazines is located in the Student Center, Rm 473.



Upperclassmen Georgina Maldonado '91 and Angelika Argawala '92 help freshman Susanne Choe of New Jersey move her luggage to her new home.

—Photo by Donna Coveney

Book Night sparks discussions in 39 first year living groups

By KENNETH D. CAMPBELL
Staff Writer

Rachel and Her Children, the book about homelessness by Jonathan Kozol, sparked lively discussions in the first year undergraduate living groups on Book Night, according to students, faculty and administrators who attended.

Mary Enterline, assistant dean of student affairs in the Undergraduate Academic Support Office, reported that all but four of the 43 first year living groups scheduled discussions and "the reaction was very positive" from faculty/administrator facilitators. A student survey two days before the event indicated that about 60 percent of the first year students had read all or part of the book by that time.

"It was arguably one of the best discussions I've had in 12 years at MIT," said Jeremy M. Wolfe, associate professor of psychology, who was a discussion leader at Student House. "It was not limited to freshmen, there was a good cross-section of

students.

"We tackled the big questions. What is the nature of society? Do human beings need to work? Socialism versus capitalism. Can you have a society with equitable distribution of wealth and maintain motivation? What do people owe other people?"

"It started at 6pm and I left at 9:30, for a meeting at eight o'clock!" said Professor Wolfe.

Elizabeth A. Sorenson, '90, was coordinator of the event at Next House (500 Memorial Drive), where three of the afternoon speakers at the Book Night Kickoff had dinner and then participated in the discussions.

"From what I can tell, this is the best participation we've had," Ms. Sorenson said. "A lot of people were asking questions. Most were sympathetic, but some had different feelings about it. . . We talked about experiences, the legal system, trying to get to the causes" of homelessness.

The speakers at the kickoff event were Philip Mangano of the Cambridge Multi-Service Center; attorney Vincent McCarthy of Hale & Dorr, who does volunteer legal work in the shelter community; Anna Roberts, a former homeless person who heads Cambridge Furniture Exchange, and Langley C. Keyes Jr., professor of city and regional planning.

Hale Van Dorn Bradt, professor of physics and a discussion leader at Next House, said after the kickoff he talked to the speakers and invited them to Next House. All but Professor Keyes were able to attend.

The discussion at Next House "was quite successful," said Bradt. The book "was incredibly eye-opening for me," he said, although he has done volunteer work at Pine Street Inn, a homeless shelter in Boston.

He said the presence of Anna Roberts, who told students she comes from a middle-class background and has three years of college, made the presentation more immediate.

Professor Bradt quoted the remark a young woman made to him last week. She told him, "You know, most of us are just a couple of paychecks away from being homeless."

Professor Bradt said Book Night worked well as an educational event. "I'm sort of proud that MIT does this," he said.

Faculty Club offers expanded service

(continued from page 1)

community—the Corporation and faculty; academic and administrative staff; support staff; graduate students and alumni," he said. A mailing later this month will describe the expanded services available and invite nonmembers to join.

New membership cards—similar to Mastercard or Visa—will be issued to improve billing procedures. In addition Mastercard and Visa themselves will be accepted, as will cash and Institute requisitions.

Another major initiative, Mr. Maguire said, was expansion and improvement of the catering staff. Catering and conference services are now available to all MIT affiliated people and organizations along with support in planning and carrying out events. A brochure on catering services will be available soon.

"We will be able to provide services comparable to and competitive with nearby commercial facilities," he said.

Regular operations at the Club have been extended, too, Mr. Maguire said.

The day begins with complementary coffee and newspapers in the lounge. Lunch is served 11:30am-2pm and includes both buffet and a la carte service. On Fridays the buffet will feature regional cuisine.

Afternoon services are aimed at fostering congeniality and collegiality. Dessert and teatime menu selections are offered, as well as cocktails. A la carte dinner is served from 6-8pm.

Ione Gatch joined the Faculty Club as manager last year. She was formerly affiliated with Ark Restaurants, operators of several food establishments at Quincy Market. The new chef is Joseph Parrish, whose experience includes work at the Sheraton and Boston Harbor Hotels.

Bruner and Cott, who did the Student Center, were architects for the Club renovations, which were carried out under the supervision of Francis A. Lawton, engineering projects manager in Physical Plant.

--Joanne Miller

It's a fact

The MIT campus occupies 142 acres and stretches for more than a mile along the Charles River.

League announces English classes

The Women's League is once again offering English conversation classes for international women. Registration for the fall term is tomorrow, (Thursday, Sept. 14) 9-11am in Rm 10-340.

Classes range from beginner to advanced and are held Tuesday and Thursday mornings, 9:15-11am, at various locations on campus. They start September 19 and will run through the beginning of December. The Thursday morning class will be followed by an informal coffee get-together where all class participants are invited to socialize and practice newly learned language skills.

Space is limited, so the League is accepting applications on a first come, first served basis. There is a small class fee of \$35 per student and babysitting is available for \$50 per child.

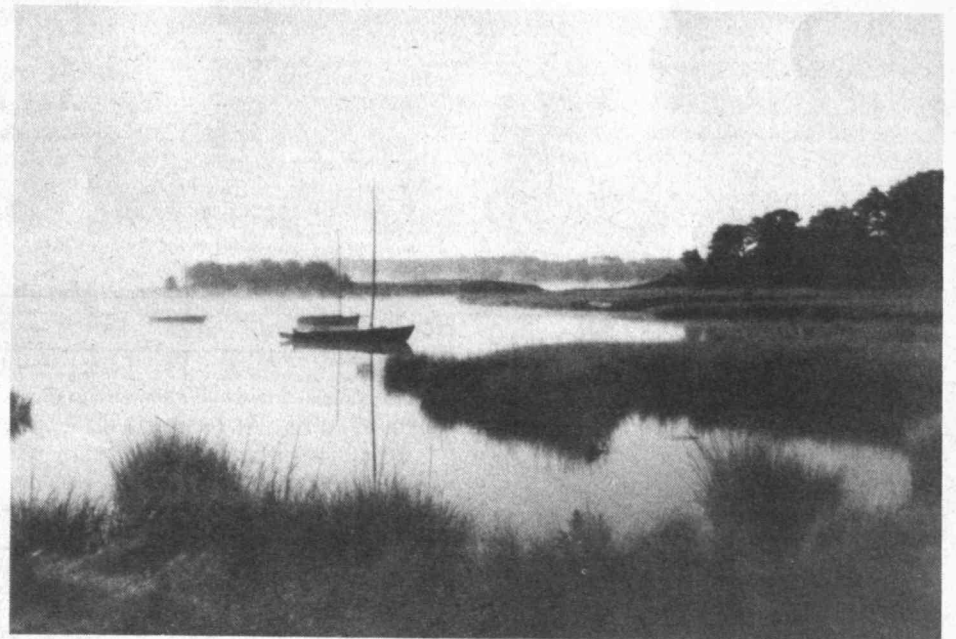
For more information call Coordinator Jan Kirtley at 277-2628, or Pam Daveta in the Women's League at x3-3656.

Sitters needed

The Women's League is currently looking for babysitters to watch the children of women attending the League's English conversation classes. (See related story.)

Sitters are needed beginning September 19 for three hours each Tuesday and Thursday morning (six hours a week). Employment will last through the beginning of December; sitters will be paid. Individuals who work well with small children and speak another language are in particular demand.

If you are interested, call Pam Daveta at x3-3656 or Keiko Kanda at 492-6324. They would appreciate hearing from you as soon as possible, because the number of children they can accommodate will depend on the number of sitters available.



"Early Morning Mist at Round Cove" won honorable mention for Virginia Such in last year's Coastweeks photo contest.

Coastweeks returns with 150 events

All of us here at MIT live near or use the beach.

Beginning this Saturday, September 16, Massachusetts citizens will have a special opportunity to enjoy, learn about and help protect the coastline as Coastweeks '89, a program sponsored in part by MIT Sea Grant, kicks off three weeks of activities.

Designed to raise awareness of our nation's fragile coasts, Coastweeks '89 will feature more than 150 events from whale watches to lectures on the marine environment to fairs and festivals. The program will also sponsor several beach cleanups—last year participants collected and catalogued more than 25 tons of trash from over 100 miles of Massachusetts' coasts.

In addition, photographers are invited to enter the annual Coastweeks photo contest sponsored by Sea Grant. Last year one of our own, Virginia A. Such, senior library assistant, won the Grand Prize with "Sunset on the Brewster Mudflats." She also picked up an honorable mention with "Early Morning Mist at Round Cove."

Coastweeks '89 is the eighth annual Coastweeks event in Massachusetts. This year's major sponsors are MIT Sea Grant, WBZ-TV (Channel 4) and the Massachusetts Office of Coastal Zone Management.

For more information on Coastweeks '89 activities in your area, or on how you can host a beach cleanup or other activity, contact Madeleine Hall-Arber at x3-9308.

Holy Family: Master and Pupil in a Renaissance Workshop. Examination of a Renaissance masterpiece reveals clues to the structure of the Renaissance workshop. Through Oct 22.

Jewett Arts Ctr Gallery*—150 Years of Photography, Part I: Invention. Daguerreotypes, cyanotypes and cartes-de-visite by pioneering photographers. Through Oct 22.

Style and Science*—Henry Lie, Gene Farrell and Maureen Ressel Neil, Ctr for Conservaton and Technical Studies, Harvard Art Museums, Wellesley College Museum Gallery Talk, Sept 14, 4:30pm, Jewett Main Gallery.

The Bread and Puppets Theater*—Outdoor performance, Fri, Sept 15, 4:30pm. Rain location: Sports Ctr Field House.

Infrared Reflectography and Its Uses in Examining Paintings*—Teri Hensick, painting conservator, Ctr for Conservation and Technical Studies, Harvard University Art Museums, Wellesley College Museum Gallery Talk, Sept 19, 12:30pm, Jewett Main Gallery.

MIT Cable Listings—Submit announcement in writing to Rm 9-050. We prefer a day's warning, but faster action may be possible. Useful also for correcting errors, notifying about cancellations, and dealing with emergencies. If you have met the Tech Talk deadline, your announcement is automatically put on cable (except for exhibits and some multi-meetings programs).

We are now accepting requests via e-mail. Announcements are shown on MIT Cable channel 12, which is displayed on the receivers in Lobbies 7 and 10. Announcements should be of interest to the general MIT community. Classified ad type messages will not be accepted. Messages should include: date, title of event, speaker or sponsor, time and location. MIT Cable reserves the right to edit your message to fit the screen. Include your MIT phone number. E-mail your announcements to: tv-messages@telecom.mit.edu. Messages will usually be posted within 24 hours of their receipt.

Send notices for Wednesday, September 20 through Sunday, October 1 to Calendar Editor Rm 5-111, before 12noon Friday, September 15.



THE ARTS

A fabled city revealed at the MIT Museum this Saturday evening

An exhibition of photographs and paintings exploring Lahore, the fabled city in which recorded history began in 1,000 BC, will open with a celebration at the MIT Museum this Saturday evening, September 16.

Students and all other members of the MIT community are invited to "An Evening in Lahore," a special performance with singing and dancing, beginning at 6:30 and followed by a reception.

Though less visited and less known than Delhi, Lahore is the cultural, artistic, and architectural center of Pakistan. This exhibition will be one of the largest observances of Pakistani history and culture ever held in this area.

In the Museum's full-color brochure which accompanies the exhibit, Lahore was described in the following terms: "Both by geography and by the choice of rulers, Lahore has, over the centuries, absorbed many forms of civilization and many cultures. Much of the walled city remains though the Hindu rajas, Mughal emperors, Sikh invaders, and British raj have faded away."

This Saturday's event begins a series of special evenings, including dance, music, poetry, films, and a slide series. In the Museum's exhibition, *Lahore: The City Within*, contemporary artist Samina

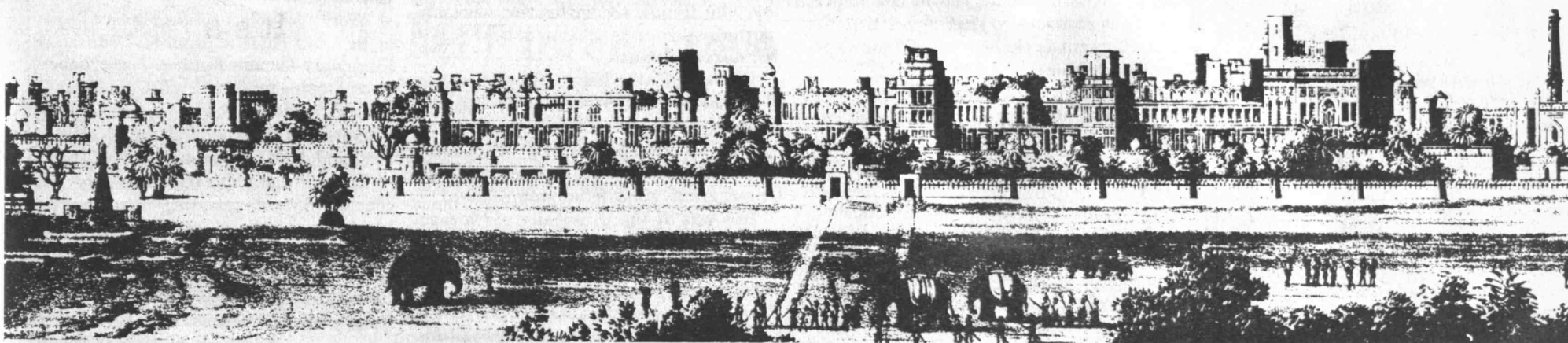


Quraeshi creates a portrait of the city through her photographs and paintings. These, along with historical photographs, maps and textiles, are scheduled to continue at the Museum through December 17.

This exhibition and its performance/lecture series is being sponsored in part by the Aga Khan Program for Islamic Architecture, the Council for the Arts at MIT, and the Jafri Foundation. Subsequent activities will appear on the Arts Page and a list of them may be obtained at the Museum.

Above, *Discourse of Scholars and Calligraphy*, an opaque watercolor on paper from the mid-17th century, one of several works loaned to the Lahore exhibit by the Boston Museum of Fine Arts. Below, a drawing of ancient Lahore published as the frontispiece of the book, *Thirtyfive years in the East*, published in London in 1852.

The MIT Museum is located at 265 Massachusetts, diagonally across the street from the Necco Factory. It is free to everyone with an MIT ID, \$2 to others. Hours: 9-5 Tuesday-Friday, 12-4 Saturday and Sunday. Information: 253-4444.



Get to know them

All those interested in dance or theater arts are invited to a get-acquainted occasion tonight at 7:30pm in Kresge Little Theater and Rehearsal Room B, both located beneath the large auditorium in Kresge.

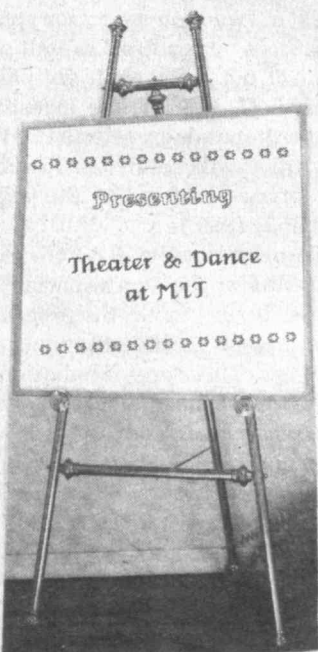
The Music and Theater Arts Section of the School of Humanities and Social Science will be hosts for this Theater Arts Organizational Meeting.

After a brief meeting in the Little Theater, an open house with refreshments will be held in the nearby rehearsal room.

The purpose of the evening is to introduce theater arts and dance at MIT. All faculty and staff members of both theater arts and the Dance Workshop will be there. Also to be introduced will be student representatives of each performing arts activity. The curriculum (including the new offering of a minor in theater arts) and the new Workshop program will be explained.

All the professionals, as well as student representatives, will be available to answer specific questions, to hand out literature, and to recruit new members. Groups also are encouraged to bring posters of previous productions.

Students from theater activities wishing to take part are encouraged to drop by Kresge's room W16-015, or to call Sue Downing at 253-2877 or 253-5623 for more information.



Student gallery's new show

The first exhibition this term in the Wiesner Student Art Gallery, on the second floor of the Student Center, will be a selection of works from the Student Art Association, scheduled until September 30. The Association, located on the Center's fourth floor, offers classes in painting, drawing, photography, and pottery. For more information: 253-7019.



Artist brings ants

In addition to viewing the two exhibitions now in place in two galleries of the List Visual Arts Center, visitors also may meet and/or observe an artist at work in the third gallery. A new artist in residence, Remo Campopiano, is creating a room-size installation based on the four axes of the Native American medicine wheel.

Beginning with a tabletop universe in the form of a live colony of ants, Minneapolis-based Campopiano will weave together

strands from an array of thought systems, myths, and matters of the heart.

In the summertime

Susan Downing '86, recently appointed theater arts office manager at MIT, directed an all-female cast in *The Two Gentlemen of Verona* for four weekends of August at the Leland Theatre in Boston. Ms. Downing said that Shakespeare's own precedent of casting only men supports her decision to found Inanna Theatre, a single-gender company where the "generic" actor happens to be a "she."

List is honored

The MIT List Visual Arts Center was one of 111 winners from among 1,600 entries for the 1989 Award of Merit in the Museum Publications Competition of the American Association of Museums. Their winning catalog, for *Three on Technology*, a photo exhibit now on a national tour, will be part of a traveling exhibition being arranged by the Cedar Rapids Museum of Art.

—China Altman, with Elizabeth Thomson and members of the Arts Communication Network.

Harris assumes major arts post

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identify or define the place of the arts at MIT: "They are not here as a service or as an adjunct to the Institute's mission but as an integral component, deserving of the same respect, pursued with the same intensity, and held to the same standards of excellence as any of the scientific disciplines."

She also said, "I've come to MIT not to create an arts program but to oversee an exciting and vital arts program already in existence. I see my major role as an arts advocate both within MIT and from MIT to the larger Boston/Cambridge community. In this role I will be evaluating the current programs, coordinating those that are now in existence, assisting in communication among various programs, and determining where we need to place our energy in terms of programs, personnel, and facilities."

Her decision to come to MIT was made

Arts in action

Here is a brief summary of some of the changes in the arts which have occurred as Professor of Music Ellen Harris takes up her position as Associate Provost for the Arts at MIT:

The Creative Arts Council has been established, modeled along the lines of other MIT councils, "so that at the highest level people in the arts will be able to work together as a community to determine short and long range goals and priorities," Professor Harris said. It will be made up of the deans of Humanities and Social Science and of Architecture and Urban Planning, department heads, and leaders of programs in the arts.

Reporting to the associate provost will be the List Visual Arts Center and the Council for the Arts (both formerly within the President's Office), the MIT Museum (formerly in the MIT Libraries), and public relations and communication for the arts (formerly in the News Office).

In the List Visual Arts Center, Katy Kline has been promoted to director and Dana Friis-Hansen to curator.

A new Visual Arts Program began this term, with Professor of Visual Arts Edward Levine as director.

Changes in theater arts brought about by its director, Professor Alan Brody, have made it possible for MIT undergraduates to pursue a minor in theater arts.

William A. Fregosi has been promoted to director of Dramashop, technical coordinator of theater arts and designer for Dramashop, the Shakespeare Ensemble and the Dance Workshop. He was formerly technical coordinator and designer for Dramashop.

The six dancers of the professional group, Beth Soll & Company, have been named artists in residence at MIT for this academic year. Ms. Soll has been director of MIT's Dance Workshop since 1978.

In the Office of the Arts, the staff already in place is made up of China Altman, director of communication, formerly assistant director in the News Office; Mark Palmgren, director of programs, formerly program officer of the Council for the Arts, Lynn S. Heine-mann, senior staff assistant, formerly editorial assistant in the News Office.

Professor Harris's administrative assistant in her permanent office, Rm 10-200, is Elizabeth M. Connors, formerly administrative secretary in Brain and Cognitive Science.

More complete details of programs and activities in the arts will be published in a "State of the Arts" free-standing insert to the Tech Talk issue of October 18. This insert also will be available in arts centers throughout the campus after that time.



Dr. Harris —Photo by Donna Coveney

after several intensive visits. "It became clear to me that the one most distinguishing feature of MIT is the abundance of creativity, which allows both students and faculty to move beyond research and analytical thinking to a manifestation of their thought processes. This process is no different whether the manifestation be a solar-powered car, such as the MIT model that drove across the country this summer, an advance in microchip technology, or a symphony," she said.

Astonishing numbers

"The creative impulse that is so palpable on the MIT campus has attracted creative artists in numbers that are astonishing. But beyond the activities I saw, it was also clear through the Joskow Report and the response to that report that the commitment to the arts at MIT was particularly strong."

Professor Ann F. Friedlaender, dean of the School of Humanities and Social Science, and Professor John de Monchaux, dean of the School of Architecture and Planning, both said they look forward to working with the new Associate Provost.

Professor Friedlaender said, "We are very fortunate that Ellen Harris has joined our faculty as professor of music and associate provost. Since the arts activities are divided between our two schools, Professor Harris's presence should make a major difference in the development of a coordinated undergraduate arts curriculum."

In his turn Professor de Monchaux said, "The arts, like science and engineering, offer an important way to think about the world we live in and want to change. The creation of the position of Associate Provost for the Arts is a major step for MIT which acknowledges the crucial importance of the arts in MIT's environment. Ellen Harris brings outstanding knowledge and skills in the arts to the role as well as an evident commitment to excellence. I know that faculty in the Department of Architecture and in the Media Arts and Sciences Section are looking forward to working with her."

Council is revitalized

As this new era begins, the Council for the Arts was described by Professor Harris as being in a stage of revitalization. With the creation of the Office of the Arts, also recommended by the Joskow Report, the Council for the Arts will be relieved of the responsibility of staffing its own office, and its fundraising efforts will henceforth go exclusively into arts activities.

Professor Harris spoke with particular enthusiasm about the grants programs of the Council for the Arts. "These have been the jewels in the crown of its activities during its 17-year history at MIT," she said. With the help of Council members this program will be expanded to meet the

needs of the arts community in a more effective way. The program will be administered by the Office of the Arts (OA).

Meet the Arts Provost

Professor Harris's first public appearance before the MIT community will occur October 20 when she will moderate an open symposium on the arts at MIT in Edgerton Hall (34-101). Panelists will include Edward Levine, professor of visual arts and head of the new visual arts program in the Department of Architecture; Alan Brody, professor of theater arts and director of theater arts, and Marcus Thompson, professor of music, music director of the MIT Chamber Players, and head of the Chamber Music Society and of the Advanced Music Performance Program.

Although classroom teaching will not be possible during this academic year, Professor Harris has developed classes that she would "love to teach here some time in the future." These include a class on music criticism based in part on the writing of George Bernard Shaw, and classes on Shakespearean opera, Schubert's songs, and elementary harmony.

She sings at MIT

Her singing debut at MIT will occur December 9 when she sings Berlioz's *Les Nuits d'été* in a concert of the MIT Symphony Orchestra, with Professor of Music David Epstein as conductor and music director.

Professor Harris has been working temporarily in the Office of the Arts, now established in the Wiesner Building (Rm E15-205). Along with her newly appointed administrative assistant, Elizabeth Connors, she expects to move to her permanent office, Rm 10-200, within a few days.

The Associate Provost has written two books, *Handel and the Pastoral Tradition* and *Henry Purcell's "Dido and Aeneas,"* both published by Oxford University Press. She has also edited *The Librettos of Handel's Operas* in 13 volumes, a complete facsimile edition with critical commentary, and *Henry Purcell, Dido and Aeneas*. Her essays have been included in anthologies and she frequently writes for scholarly journals.

Numerous grants

Professor Harris has received a number of grants and fellowships including the National Endowment for the Humanities (fellowship 1988-89; stipend 1978), and the American Council of Learned Societies (travel grant, 1985; fellowship, 1980-81).

She was at the University of Chicago from 1980 until now. She also taught three years at Columbia University.

Her operatic roles include: *Pamina* and *First Lady* (Mozart, *Die Zauberflöte*), *Susanna* (Mozart, *Le Nozze di Figaro*), *Cio-cio-san* (Puccini, *Madama Butterfly*) and *Savitri* (Holst, *Savitri*).

She sang the lead in a Chicago production of Gilbert and Sullivan's *Iolanthe* in August, and has also sung *Patience* in *Patience*, *Mabel* in *Pirates of Penzance*, and *Princess Ida* in *Princess Ida*.

Professor Harris and her husband, John, have just moved into a house in Cambridge. They have two daughters, Marian, who is a freshman at Yale University, and Ann, who is a freshman at Buckingham, Browne and Nichols in Cambridge.

Parent talks begin

A workshop for MIT parents on "Developing Positive Self-Esteem in Our Children" will be held Tuesday, Sept. 19, at noon in Rm 18-290 (Dreyfus Building). Peggy Kaufman, director of parent programs for the Boston Jewish Family and Children's Service, will lead the discussion.

The program is the first of an annual series of educational workshops for MIT parents sponsored by the Child Care Office. Other topics this fall will include preventing alcohol and drug abuse, identifying and coping with children's special needs, children and anger, children of divorce, sex education in the age of AIDS, and cooperative play.

For further information, call Rae Goodell, coordinator of parent programs, Rm 4-144, x3-1592.

Aero & Astro to mark 50th anniversary

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and Marine Engineering until 1920 when it became the "aeronautics division of instruction" within the Physics Department. There it stayed until 1926. From 1926 through 1933 the discipline became an independent division that reported directly to the president of MIT.

In 1933, Professor Hunsaker became head of the Department of Mechanical Engineering and arranged to have aeronautics administratively transferred under the wings of mechanical engineering. In 1939, aeronautics finally became an independent department within the School of Engineering with Professor Hunsaker as its head. He served in that capacity until 1951.

The Saturday program of the 50th anniversary commemoration will be held in Kresge Auditorium beginning at 9am. Chairing the morning program will be Professor Walter M. Hollister. The look back on the past will include: "Introduction and the Early Years: 1925 and Before," Professor Walter M. Hollister; "The Emerging Era: 1926-1939," Professor Emeritus C. Fayette Taylor; "Independence and Growth: 1940-1956," Professor Emeritus Walter McKay; "The Start of the Space Age: 1957-1969," Dr. Robert C. Seamans, Jr.; and "The Last 20 Years: 1969-1989," Professor Rene H. Miller.

The Saturday afternoon program from 2-4pm, "Technology and the Future: Industry Perspective," will feature speakers from outside of MIT: "Future of Aeronautics," Dr. Donald Fraser of the Draper Laboratory; "Future of Astronautics," Lt. General James Abrahamson (USAF Rtd.), former director of SDI; "International Aspects and Aeronautics," Dr. Peter Hamel of the Institut für Flugmechanik of West Germany.

From 4-5:45pm, Professor Robert Loewy of RPI will chair a panel on "Educating Engineers for the Future: Four Views." Participating will be Professors Fred E. Culick of Caltech, Martin C. Jischke of the University of Missouri, Holt Ashley of Stanford, and Jack L. Kerrebrock of MIT.

The 50th anniversary celebration will conclude Saturday evening with a banquet in the Grand Ballroom of the Sonesta Hotel and a presentation by professor David L. Akin, "EASE (Experimental Assembly of Structures in Extravehicular Activity) Program—Adventures in Space."

—Eugene F. Mallove, XVI, '69.

Proposals wanted

The MIT Sea Grant College Program is issuing a request for proposals for its core program research.

The core program expects to award between \$250,000 and \$300,000 for projects that will begin July 1, 1990. Awards usually average about \$50,000 each.

The call for the program's core research involves a two-step selection process. Investigators must first submit a pre-proposal of not more than six pages by September 27, 1989. Those investigators whose pre-proposals are selected for further consideration will be invited to submit a formal proposal of about 20 pages by December 1, 1989.

Proposals are selected on the basis of their potential application to marine related problems. In particular, the program will give preference to investigations in six theme areas. These are: automation in the manufacture of marine systems, marine biotechnology, ocean and coastal processes, ocean engineering, technology development and management for ocean uses, and unmanned underwater systems.

Proposal packets include an extensive discussion of the theme areas as well as detailed instructions for applying. To receive a packet, call Karen Hartley, x3-3461.