EECS eyes curriculum overhaul
Faculties considering moving to master's program

By Jeremy Hylen

The Department of Electrical Engineering and Computer Science is considering the addition of a five-year master's Engineering program that would effec-
tively replace the bachelor's degree as the primary professional program offered by the department.

"Having unforeseen developments, we hope to obtain the necessary Institute approvals to describe the new curriculum in the next MIT catalog, for which copy is required by January 1992," Professor Paul L. Pen-
feld and others, dean of the department, wrote in a memo to the faculty.

The EECS faculty met yesterday to discuss a proposal for the overhaul of undergraduate and master's-level degrees. The department's Ad Hoc Curriculum Committee, established last fall, developed the proposal discussed yesterday. It extended the work of the First Profession-
Dee Degree Committee formed in 1989 on a five-year revised program. The FPCDC also conducted a survey in the 1989-90, 1990-91, 1991-92, and 1992-93 academic years.

Most of the EECS faculty in attendance supported changing the current degree program, but not necessarily the specifics of the proposal, according to Professor of Electrical and Engineer-
ing and Computer Science Campbell L. Searle SM '51, chairman of the Ad Hoc Curriculum Committee.

"What I heard were two or three very negative comments and the rest were positive," Searle said after yesterday's meet-
ing. "The most serious objection is that we were not ready.

Several professors objected strongly to the less rigorous the-

nora movement for the master's degree. Professor of Electrical En-
gineering and Computer Science Jeffrey H. Lang '85, associate di-

rector of the Laboratory of Electromag-
netic and Electronic Systems, de-

scribed the proposal as the "scuttling of the master's thesis."

The criticism was expected. Ford Professor of Engineering William M. Siebert '46, another author of the proposal, explained that the meeting was designed to focus on problems with the pro-

posal. "We focused discussion on certain kinds of things that would likely elicit negative reactions," he said.

Nevertheless, professors had praise and ideas for the proposal. Michael L. Desrochers PhD '94, professor of electrical engineering and computer science and director of the Laboratory for Com-
mputer Science, said he "over-
whelmingly supports the idea of moving in a five-year program."

Dertouzos suggested the de-

partment should do more to en-
courage students to student eco-
nomics, management and manu-
facturing. Professor of Electrical Engineering Peter Elias '44 suggested that the program allow for specialization in management.

Program would require 28 classes

The program outlined yester-

day would consist of an 18-
course curriculum beyond the 17 General Institute Requirements. The focal points of the program

would be the common core, largely similar to the current EECS core, and three "depth sub-

areas."

The strings would be three-
course sequences within several sections of the department, in-
cluding artificial intelligence, electromagnetics and energy sys-
tems. Each depth area would have a banner class that is a pre-

requisite for all other classes in the area.

The common core would also include Differential Equations (18.03) and a probability class. The M.Eng. degree would be the principal degree offered un-

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Science minors may be offered

By Troy Liu

Responding to student propos-
als, MIT formed a committee last Friday that will consider the cre-

ation of a minors program within the School of Science.

The Institute Committee on Minors in Science includes represen-
tatives from each science department as well as student repre-

tatives. The committee's current plan is to issue a report by mid-

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UA shifts focus to house tax

By Sarah Keightley

This year, the consideration of two separate alcohol policies — the Institute's Policy Statements on the Use of Alcohol and the Dormitory Council's alcohol policy — has received much attention and criticism.

The Institute's policy "basically contains standards for events that students run, the faculty runs, and clubs run," said J. Paul Kir-
by '92, vice president of the Under-

graduate Association. The institute's policy applies to everybody at MIT with the excep-
tion of Lincoln Lab.

DormCorp's policy concerns the issue of alcohol in dormitories in general, including its purchase. "The UA had a large role in forming the Institute's alcoholic policy," said Kirby, who headed the the UA's Committee on Student Life and Alcohol Policy Committee, subcommit-

2 1988. Now that the final version of the student regulations for events are being printed for distribution to the MIT community within the next few weeks.

The Policy Statement on the Use of Alcohol standardizes state and local laws pertaining to alco-

hol. It also outlines the policies for Institute events where alcohol will be served.

Efforts in revising the Institu-
ture's policy were "directed to-

wards consistent standards," Kir-
by said, adding that past policy for-
dored dormitories and student groups hosting events where alcohol was served, "meaning they had to charge for it. We had a cash bar, meaning they had to charge for alcohol. In theory the cash bar would deter consumption, but in reality, students charged a quar-
ter or a nickel for a drink," Kirby said.

Campus law requires a one-
course minimum fee for events with a cash bar, including these parties. This year is "rushed for bars" for students because they had to find a student over 21 with valid Massachusetts identi-

fication and willing to take re-

sponsibility for buying the liquor, the Salem, Faculty, on the other hand.

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increase by about 100, according to Searle. He estimated 15 or more topics per student could be handled by the faculty's supervisory duties. Financial support for the five-year program would be limited to about 75 students. While students accepted to the postgraduate program at the end of their junior year, financial support would be guaranteed. "Support is merit-based, which I think is what we need to maintain quality," Searle said. "The system is going to support limited." Financial support would come from teaching and research assistantships paid for by the tuition income generated from the 10 new students, an expansion of the V/A internship program and other instructional income. "We would be offering assistantships from the 194 or so new students," Searle said, citing the class of '94 as an example. About 194 students would be eligible for the M.Eng. program.

The quality of students in the program was a point of contention at yesterday's meeting, however. There was an attempt to dilute student bodies, said Professor of Electrical Engineering Stephen D. Senturia PhD '66. Many of the best students are admitted to the doctoral program or go elsewhere, he said. Dickson G. Pashayan, Jr. PhD '70, professor of electrical engineering and computer science, concurred. "The lower student numbers will all show up on the doorsteps," he said.

The proposal aims to increase the impact on the doctoral programs already in place. Students in the M.Eng. program would be limited to a terminal master's program, much like the V/A program.

Graduate students who receive undergraduate degrees from other institutions may be admitted into either the Master's program or the standard doctoral program. Students coming from outside MIT with electrical engineering and computer science degrees would be able to complete the M.Eng. program in the same time as out students, Searle said.

Assistant Professor of Electrical Engineering and Computer Science Lynn A. Staba questioned the purpose of the computer science undergraduates from outside MIT. They may lack a strong science and engineering background, but still be strong computer science students, she said. The strongest concerns about the program coming from outside MIT were the right way to go, others said. Those that do cheat will only make a big difference in the class of '91 as Searle said. "It does not have to be that detailed."

If the program is approved, a master's degree would not be granted to students that enter the program. According to Searle, most of the current seniors and sophomores could complete the M.Eng. program in one enters. Financial support would be available for 5 juniors, 15 sophomores, and 30 freshmen during their first year.

"In terms of the support issue, we may want to make it optional for this year's seniors and mandatory for next year's entering class," Penfield said.

Even if the program is in place for the class of 1996, MIT will not be the first university to have a five-year master's program, but it may be the one of the most influential programs. "I think it's an important step. In 30 years, we will go the route of the medical profession and have extended professional training and specialization," he said.

Two years ago Guttag discussed a similar proposal with a group of heads of computer science departments from across the country. "They thought this was a good idea and thought it would be a good idea for MIT to be the first to do it," he said. "There has been no reaction from electrical engineers. They have been surprised by it, but happy that we are doing it."
Bush administration to host Midwest peace talks at Washington, DC

The Bush administration will hold the new round of Midwest peace talks in Washington starting Dec. 4. An Israeli cabinet minister said his nation will meet with its Arab adversaries, but only for a couple of sessions at most. Afterwards, he said, the talks should move back to the Middle East. The Arabs have expressed their dissatisfaction with the proposed Middle Eastern location.

Ex-hostage Sutherland comments on hostage-taking futility

Freed American hostage Thomas Sutherland has arrived in San Francisco. Holding his granddaughter in his arms, Sutherland spoke in a canary-like, high-pitched voice. He told reporters it would be fun to go back to Lebanon to once again be part of the American University there. He will have a Thanksgiving dinner with his family at a daughter's home in Berkeley.

Sutherland said he thinks his former captors in Lebanon have learned that hostage-taking won't help them. The recently-freed hostage said he was happy that other hostage releases are coming, even though he pointed out that the captors are "running a little late" on their pledge to release more Westerners in a short time. The comments came yesterday afternoon at Dallas-Fort Worth airport, a layover on Sutherland's journey home from Germany.

Israelis fire on Shiite Muslim targets

Israel's army said Israeli forces fired on Shiite Muslim targets yesterday in the security zone in southern Lebanon. The army said the Herhollah targets had been used as bases to attack Israeli. Security forces in Lebanon said a rocket fired from the zone killed three Lebanese soldiers in a truck, but that the exact source of the shots remained unknown. Israeli military sources said that if Lebanese soldiers were hurt, the act was regrettable.

US government puts money laundering ring out of business

Federal authorities have begun pursuit a gigantic international money-laundering ring out of business. They say the outfit laundered millions of dollars in Colombian cocaine money through banks across the nation, including one in Rhode Island which led to the collapse of the state's banking system. A US attorney in Providence said the ring laundered as much as $500 million during the past two years from earnings in Call and Moheeks.

Senate favors dismantling the USSR's nuclear arsenal

The Senate decided yesterday it would be better to help the US dismantles its nuclear arsenal than to risk letting it fall into the hands of terrorists or third-world dictators. The Senate voted 96-3 in favor of spending up to $500 million on the project. The vote came after Democratic senators proposed to criticize President George Bush if he goes ahead with the aid.

Bush blames Congress for national education difficulties

President George Bush said Congress is making it hard for schools to do their jobs. Bush, pushing for a proposal to give parents more choice of which schools to put their children in, told rich people already have this choice because they can afford private school tuition, but that the poor and the middle-class do not. He spoke in Ohio, which is the 25th state to embrace his education goals.

Student killed and teacher wounded by high school gun

Authorities in New York said that a student was killed and a teacher was wounded after another student opened fire with a gun in a high school. A Board of Education spokesman said the shooting may have stemmed from an argument between the two students.

Convicted trafficker claims cocaine lords helped finance Contras

A convicted drug trafficker said Colombian cocaine lords were helping finance the cause of Nicaragua's Contras against the Sandinistas. Carlos Lehder offered the testimony yesterday at the Miami drug trial of former Panamanian leader Manuel Noriega. Promised immunity to death, Lehder said that Colombian drug lords gave the US-backed Contras up to $10 million in the 1980s, but also estimated that he did not know if it was done with US blessings.

Clear Pepsi to be marketed

The taste of a new generation may be getting a new look. Spokesmen for Pepsi said that the company is considering marketing a colorless cola. "Yesterday's Wall Street Journal said the new soda could be on the market as early as next spring. But for those wary of cola without color, fear not. The Journal also said that the new carasored version will be available right alongside the clear Pepsi.

Ford to recall cars and minivans for emissions corrections

Ford has decided to recall more than 640, 000 Astarion minivans and Tempo and Topaz cars to make emissions corrections. A company spokesman said sensors in the 1990 and 1991 vehicles may wear prematurely, which could cause carbon monoxide tail pipe emissions to exceed federal standards.

Weather

Autumn weather

Below-normal temperatures will be the rule for the next few days as a ridge of high pressure builds eastward. As the high crosses the region tonight, winds will blow, gusting 15-20 mph. High near 40°F (4°C). Thursday night: Clear and cold. Low 26°F (-3°C). Wednesday: Morning sun giving way to afternoon clouds. Light snow ahead. High 39°F (4°C). Low 30°F (-1°C). Forecast by Michael C. Morgan

Compiled by Sabrina Eves and Karen Kaplan

ATTENTION STUDENTS INTERESTED IN LAW

Mr. Fred Yen, Associate Prof. of Law, and Faculty Chair of the Admissions Committee from Boston College Law School will be visiting MIT to meet with interested students.

Boston College Law School Admissions Committee Chair, Mr. Fred Yen

Wednesday, December 4, 1991

5:00 pm - 6:30 pm

Room 12-187
US must be tough on China

Column by Matthew H. Hersch

I'm on an Asian kick this week that is endless. flaming the United States and helping blow up nations just isn't satisfying. And as much as I like writing about everyone's favorite deadbeat communist passes, I feel I must share with you my latest feelings on . . .

The wise old leaders of the People's Republic of China.

In case you were wondering, the Chinese government is still up to its old tricks — the one-party government still harasses reformers, taunts Tibetans and sells nuclear weapons and ballistic missiles to anyone who can pay in cash. As always, President George Bush insists that the United States must stay friendly to this belligerent superpower: just last week, Secretary of State James A. Baker III visited China in the hope that it can somehow be transformed through kind words and deeds.

Sino-American relations are personal for Bush. An ambassador to the PRC in the 1970s, he claims to possess a special relationship with and understanding of the present Chinese leadership. If China starts to stray despite US efforts, though, Bush will look stupid. It is because of this fear that China still holds on to US most-favored nation trade status, despite its human rights abuses, corrupt trade practices and all-around nastiness. Damn the New World Order, Bush's policy echoes, we like stodgy True or not, such "infection" isn't a bad idea.

An ambassador to the PRC in the 1970s, he claims Soviets as a counterweight against the PRC. Formed through kind words and deeds. Times have changed, though, and Bush should be as a reason for continuing close ties. This view is moronic, the Chinese government is still up to its old tricks — the one-party government still harasses reformers, taunts Tibetans and sells nuclear weapons and ballistic missiles to anyone who can pay in cash. As always, President George Bush insists that the United States must stay friendly to this belligerent superpower: just last week, Secretary of State James A. Baker III visited China in the hope that it can somehow be transformed through kind words and deeds.

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The Chinese are going to think we are weak if we don't do something about it. This view is moronic, the Chinese government is still up to its old tricks — the one-party government still harasses reformers, taunts Tibetans and sells nuclear weapons and ballistic missiles to anyone who can pay in cash. As always, President George Bush insists that the United States must stay friendly to this belligerent superpower: just last week, Secretary of State James A. Baker III visited China in the hope that it can somehow be transformed through kind words and deeds.

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Recent events have awakened Americans to new dangers involving nuclear weapons. International inspectors recently discovered the capability to produce nuclear weapons at Iraq's Nuclear Research Establishment. Although the核查 may still exist, I guess that MIT's faculty does not correlate with the theory that the curriculum is filled with people who cannot handle complex ideas. Equally important, they pledged to ensure that such behavior threatens regional and international peace. Secretary of State James Baker has finally started discussions about North Korea's nuclear program with officials in China, South Korea, and the ex-Soviet Union. Those nations are in a better position than the United States to influence North Korea, due to their nuclear arsenals.

As the only superpower, the United States must take the lead in preventing further nuclear proliferation. We must focus on the more comprehensive long-term peace plan. The nuclear Non-Proliferation Treaty, written in 1968 at Hofheinz Hall, where I knew I would be comfortable, and was not secreted to anyone. Iraq's nuclear program is not as advanced, though, any proliferation have been extremely serious. The United States, Great Britain, the ex-Soviet Union, China, South Korea, and the ex-USSR. Those nations are in a better position than the United States to influence North Korea, due to their nuclear arsenals.

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**Student activities, administrative offices, academic departments and other groups - both on and off the MIT campus - can list meetings, activities, and other announcements in The Tech's "Notes" section. Send items of interest (typed and double spaced) via Institute mail to "News Notes, The Tech, room W20-483," or via US mail to "News Notes, The Tech, PO Box 29, MIT Branch, Cambridge, MA 02139." Notes run on a space-available basis only; priority is given to official Institute announcements and MIT student activities. The Tech reserves the right to edit all listings, and makes no endorsement of groups or activities listed.**

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**Free Information**

Do you have questions about MATH, Distribution subjects and categories, concentration requirements or procedures, or other MATH Minor programs? Come to the Humanities, Arts, and Social Sciences Information Office, 14N-408 for help with anything to do with the MATH Requirement. We are open 9-5. Stop by or call us at x3-4441.

The Office of Consumer Affairs and Business Regulation has prepared a pamphlet called "Consumer College" that summarizes students' consumer rights. For a free copy, write the Office of Consumer Affairs and Business, One Ashburton Place, Boston, MA 02108 or call 727-7755.

There is a Food Addiction Hotline being provided by the Florida Institute of Technology and Heritage Health Corporation. This hotline is to provide information about food addiction, gather data about the nature and extent of food addiction, and raise awareness in the population that food addiction exists. The hotline number is 1-800-USA-0088.

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**Study Help**

The professional tutor staff of the MIT Writing and Communication Center (14N-317) will be glad to consult with you on any writing or oral presentation project (papers, essays, letters, etc.) from 10 am-6 pm Monday through Friday. You may call their phone for an appointment (x3-3090) or just drop in. In addition, workshops for those for whom English is a second language are held in the Center on Wednesdays from 6:15-7:15 pm. All services are free.

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Welcome to the MIT Libraries

This guide is intended to introduce you to the wide range of resources — collections, services, and staff — available in the MIT Libraries. The Institute's major collections are housed in five divisional libraries: Barker (engineering), Science, Dewey (social sciences and management), Rotch (architecture and planning), and Humanities. These are, in addition, a number of branch libraries that specialize in more narrowly defined fields including aeronautics and astronautics, music, industrial relations, earth and atmospheric sciences, health sciences, and visual materials. Page two of this guide has detailed descriptions of each library.

The Libraries' staff are eager to assist you with your information needs. Among the services offered are reference and information assistance, interlibrary borrowing, computerized literature searching, photocopying, access to other area libraries, and instruction in library research methods. Tours and seminars are available throughout the year. You may obtain information at any reference desk.

A key feature of the MIT Libraries is the online catalogue, Barton. Public access terminals are available throughout the libraries and access is also provided through the campus network and via dialup. See page three of this guide for connection instructions. Barton contains records for all materials acquired by MIT since 1963. There are manual catalogues for pre-1963 materials not in Barton.

Please don't hesitate to ask for assistance. In order to borrow materials from the Libraries you will need a barcoded library card. These cards can be issued to members of the MIT community at any circulation desk at any time. We hope to see you in the Libraries soon and often.

Jay K. Luckor
Director of Libraries

Ask Owl

During the late 1980's, the Libraries began planning for a new online public access catalogue to supplement the online catalogue component of MIT's existing minicomputer-based library system, Barton. As the libraries investigated the possibilities, it became clear that a CD-ROM/local area network configuration offered the best fit in terms of available technology, re-use of existing hardware, and overall flexibility. The MIT community was invited to join in the selection process and many accepted the Libraries invitation to try out and comment on the catalogue systems offered by our three 'finalist' vendors. With your help, we decided on the system provided by Marceive, Incorporated.

Now, after much development and planning, we're ready to start installing the system. Current plans call for a phased implementation beginning with the Hayden Library in January. The new catalogue, to be called CD-Barton, will eventually be available in all library units and will offer:

- Improved indexing.
- Powerful searching options, including anyword and boolean searching.
- Currency of data that is as good as it is in the current, centralized catalogue.
- Up-to-date library location and circulation status information for items with records in the database.
- Redundancy. Downtime problems associated with centralized catalogues will be eliminated.

The Libraries will use MITnet for the transfer of bibliographic update and circulation status files between our central circulation/cataloguing machine and the various library units. These update files will in turn be transferred to CD-Barton servers. Circulation status files will be transferred daily. Bibliographic updates will be transferred every two weeks and will accumulate on the servers until the CD is remastered. At that time, those updates be integrated into the CD.

We're excited about CD-Barton, not only because of the enhancements it offers our patrons right now, but also because we see it as a first step toward the truly distributed library and information system of the future. Watch for more announcements and please give CD-Barton a try!

It's three a.m. and Andrew is typing the next to last entry in a bibliography for the econ paper that's due in eight hours. Checking the photocopy of the article, he's got the author, the article title, even the page numbers, but nowhere on the photocopy nor in any of his notes can he find the journal name and volume number. Great! He'd hoped to sleep in until just before class, but now he'll have to head over to the library early, look for the journal and come back and type it in. He could phone, but he'll still have to get up early... or he could ask Owl.

Andrew dial into his Athena account, and types OWL at the prompt. He chooses "social sciences" as his topic, and types in his request, listing the information he does have. He's asleep within minutes of logging out.

It's Mallory's turn to check the OWL queue for Dewey Library, and she sees Andrew's question shortly after she gets into the office. She checks an index to identify the missing journal title and volume number. It's nine a.m. when she e-mails Andrew's answer and lets him know she's marked the question "done."

Sound like the Libraries' version of Athena's On-Line Consultant? It is, and it's coming soon. Look for OWL (Online With Libraries) to debut early in the 1992 calendar year. OWL lets you ask a library-related question that you might otherwise have to save for "regular" hours. Perhaps it's the middle of the afternoon, but you can't call the reference desk because your roommate's on the phone. OWL can help then too.

To access OWL, you'll need an Athena account. You can use the system from either a regular Athena workstation or from a dialup machine. Communication with the libraries may be "live" if the information specialist for your topic is logged in at the same time you are, but questions for the libraries may be asked at any time and will be answered via e-mail if you've already logged out. On a workstation, running the X Window system, notification to and from OWL will normally be via zephyr messages. If you are using OWL through dialup, messages will simply appear on your screen, or in your e-mail queue.

Turnaround time will be within twenty-four hours excluding weekends and holidays. Occasionally a complete answer may take longer, but you'll always get a status report on your question within a day's time.

Planned as one choice in a menu of library services to be available through Athena, OWL won't take the place of human librarians. It won't replace the visit to the library, but it will enhance the relationship with a librarian. In other words, we'd still like to see you. But if a visit to the library isn't convenient to your schedule, you can always ask OWL.
THE LIBRARIES'

twelve units contain over 2 million printed volumes and receive 21,000 current subscriptions. The Libraries also hold extensive collections in other media, including microforms, maps, slides, scores, sound recordings, motion pictures, and videotapes. Here are brief descriptions of the Libraries and their holdings.

**Aeronautics / Astronautics Library**
Room 33-316
253-5665

Collections: mechanics and physics of fluids; instrumentation, guidance, and control; aircraft materials and structures aerodynamics; aeronautical systems, including flight transportation.

Special Collections: NACA/NASA technical reports, AIAA Society papers, AAS conference publications.

**Barker Engineering Library**
Room 16-500
Information: 253-5663
Circulation: 253-5661

Collections: biomedical, civil, electrical, environmental, materials, mechanical and ocean engineering; computer science; energy resources and utilization; applied mathematics and mechanics; manufacturing and machinery; mineral resources; and transportation.

Special collections: industrial standards, professional society papers, and technical reports. A part of the collection is in microforms, with facilities in the Media Services Area. Videocassettes, films, and film loops on engineering subjects, with playback equipment, are in the Media Services Area.

**Dewey Library**
Room E53-100
Reference 253-5677
Circulation 253-5676-5676
Reserves 253-7133

Collections: social sciences and management emphasizing economics, political science, sociology, statistics, organizational psychology, law (especially legislative research material), U.S. government documents, corporate financial reports, United Nations official documents, and Rand Corporation reports.

Dewey Library's Industrial Relations Collection, Room E53-238, is one of the oldest and largest collections of its type in the United States, with extensive holdings covering the broad areas of human resource management, labor management relations, personnel issues of new technology, employment policy, and labor law.

**Humanities Library**
Room 145-200
Information 253-5683
Reference 253-5683
Circulation 253-5671
Reserves 253-5675

Collections: literature, linguistics, history, anthropology, archaeology, history of science and technology, philosophy, psychology, religion; education, library and information sciences and women's and men's studies.

Special collections: current college catalogs and telephone books, national bibliographies, and recreational and general magazines and newspapers.

**Institute Archives and Special Collections**
Room 14N-118
253-5136

Central depository of materials documenting MIT's history, including official records of MIT's record of MIT publications, personal papers of MIT faculty, administrators, and alumni, and information about staff, alumni, and student groups.

Special collections: oral history, rare books, and MIT classes from 1868 to date.

**Lindgren Library**
Room 54-200
253-5679

Collections: earth atmosphere, and planetary sciences, meteorology, and oceanography. Includes a large number of atlases and general maps and major U.S. Geological Survey and U.S. Environmental Data Service materials.

**Music Library**
Room 14C-109
Information and Circulation, Reserves 253-5689
Reference 253-5636

Circulating collections: books and periodicals covering music history and theory, and printed music.

Noncirculating collections: sound recordings, videocassettes, and such audio playback facilities as compact disk players, open-reel tape decks, stereo cassette decks, and photographs for individual or group listening. The Music Library maintains the reserve materials for music courses. This collection is not duplicated in the Reserve Book Room.

**Retrospective Collection (RSC)**
1 State Street
253-7040

The RSC is an off-site storage facility for the MIT Libraries. In order to make room for new acquisitions in the campus libraries, less frequently used materials are stored here. Library materials housed at RSC are identified in each of the MIT Libraries. RSC material will be delivered to any MIT library upon submission of a IDS (Library Institute Delivery Service) form.

**Rotch Library**
Room 7-238
Reference 258-5599
Circulation 258-5592

Collections: architecture and building technology; art and architectural history; fine art, and media arts; photography, film, and video; environmental design; urban studies and planning; regional and Third World planning; and real estate development.

Special collections: Boston-related materials, including local agency documents, maps, clippings files; U.S. Bureau of the Census population and housing reports; annual reports of Massachusetts cities and towns; microfiche collection of technical reports on urban and building technology; Historic American Buildings Survey on microfiche and microfilm; material on Islamic architecture and urbanism, including national development plans of Islamic countries; materials related to MIT campus architecture.

**Rotch Library Visual Collections**
Room 7-304
253-7098

Collections: slides, study photographs, and photographic microfilms of architecture, urbanism, art, and photography; films and videotapes; visual archives of the Aga Khan Program; Revere-Lynch photographic archive of Boston architecture; and the Boston Videodisc Series - Images of Boston and its Suburbs.

In-house facilities: light tables, 1/2" and 3/4" videocassette playback equipment, videodisc player, 35 mm slide projectors, photographic copiers, and a light table in corridor for after-hours use.

**Scherger-Flour Library**
Room E25-131
253-6366

Collections: neuroscience, clinical medicine, and applications of medical instruments. Additional materials in these subject areas are located in the Science Library.

Special collections: medical information for the layperson.

**Science Library**
Room 14N-100
Reference 253-5683
Circulation 253-5671
Reserves 253-5675

Collections: astronomy, biology, biotechnology, chemical engineering, chemistry, applied biological sciences, materials science, mathematics, medical sciences, nuclear engineering, and physics.

Special collections: Department of Energy technical reports, the Palomar Sky survey, and topographical maps.
Remote Access to the Libraries' Catalogue

Barton on the Network

Anyone with access to the Internet can connect with the Geac interface to Barton. Patrons can use the same catalogues to access other library resources both within and outside MIT. There are several ways to go about connecting to the library gateway on the net:

- If you have an Athena account and are logged on to an Athena workstation:
  At the Athena prompt, type setup library or choose Libraries from the 'Special' menu of DASH. A menu window listing currently available library catalogues will appear. Choose 'Barton' to connect with the MIT Libraries catalogue or, if you wish, choose one of the other available catalogues.

- If you are at an Athena workstation but don't have an Athena account, or if you don't wish to take the time to log on:
  Choose 'Library Access' from the 'Other Options' menu. The 'Other Options' menu appears on the initial 'Welcome to Project Athena' screen. A menu window listing currently available library catalogues will appear. Choose 'Barton' to connect with the MIT Libraries catalogue or, if you wish, choose one of the other available catalogues.

- Most Internet users outside MIT and Athena users connected to Athena through remote (non X-Window) terminals should use this command:

  telnet library.mit.edu (18.84.1.12)

  Note the instructions that appear on the introduction screen, choose Barton or another available catalogue, then proceed with your search.

To borrow items you've found, please go to the holding library. To place a hold or recall on an item that is currently circulating, call the circulation desk at any MIT library.

Locations

The catalogues use the following codes to show where materials are housed. The second code refers to a specific location within the library. For example, a book at location P 5RF would be in the Barker Library reference stacks.

- Aero/Astro Library
- ARCH/ARCHIV
- BAKER/R 5***
- DEWEY/P 5***
- HAYDEN/P 5***
- HYD705H/xx*
- HYD706H/xx*
- PHYS/PHYS
- RETRO/RESC
- SPACE/SPACE
- SPACE/SPACE

CD-ROM Products In
The Libraries

In addition to the new CD-ROM catalogue, the MIT Libraries provide access to over 20 other CD-ROM products in various disciplines. Databases include indexes and abstracts, encyclopedias, directories, and dictionaries. For more information, call the contact persons listed below.

BARKER
Contact: Scott Brandt 3-749
Compexed Plus
NTIS
Page One

DEWEY
Contact: Kathy Greene 3-7031
ABUNFORM
Lorus One Source CD/Corporates, U.S.
PAIS

HUMANITIES
Contact: Theresa Tobin 5-5683
Academic Index
Bible Library
Dissertation Abstracts International
Grolier Electronic Encyclopedia
Oxford English Dictionary
PsychLit
SocSci Index
Ulrich's International Periodicals

ROTC
Contact: Randy Bais
5-8596

Art Index
Electronic Sweet's Real Estate Transfer Database
Supermap

SCIENCE
Contact: Scott Brandt 3-6365
Aldrichem
Science Citation Index

On-Line with Athena

The Libraries' remote reference staff is being trained in the operation of an Online Reference Librarian service, called OWL, for Athena users. Patrons of either Athena's Online Consultant service, OWL, will allow patrons to communicate online with library information specialists or browse through a database of commonly asked questions. Also coming soon are online forms for suggested purchases and interlibrary borrowing. Watch for these and other new services in early 1992.
Assistance

Whether you need to find information for yourself or for someone else, help is as close as your telephone or the nearest reference desk. Reference librarians are trained to provide the information you need. All reference librarians are available in every library, by phone or in person, from 9 a.m. to 5 p.m., Monday through Friday. (See the individual library descriptions for telephone numbers.) In addition to these hours, the Sci Lib provides reference service Sunday afternoons and Monday through Thursday evenings.

Circulation

Loan periods vary for different types of materials. Check with the lending library for details. A due date is stamped on the item when it is charged out, indicates when the item must be returned or renewed. Consult with the circulation desk of the lending library about renewal limits. Materials may be renewed in person or by phone.

If an item is charged out, a circulation assistant can place a HOLD on the material. You will be notified when the material is returned.

You may also have an item RECALLED from another patron. All four-week loan items are subject to recall after two weeks.

Database Searches

Computerized versions of almost any print index or abstract are usually up to date and can be searched quickly and efficiently. Customized online research is available in the Computerized Literature Search Service, x3-7746. For members of the MIT community, very short or quick search requests are available free of charge at any reference desk.

Finding Books and Journals

The Libraries online bibliographic database contains records for materials acquired by the Libraries since 1963 as well as most of the Libraries 21,000 journal subscriptions. For pre-1963 items, check the Dewey Decimal Catalogue (DDC) on microfiche. A copy is available in each library. Always check with a reference librarian before you decide that we don’t have what you need.

Library Institute Delivery Service (LIDS)

Do you need a book from Dewey, but you’re across the hall from the library? The Library Institute Delivery Service will deliver materials with a four-week loan period to the MIT library of your choice. Requests may be made via phone or in person at the reference desk closest to you. Material will be charged out at the lending library and delivered to the circulation desk of the “local” library, usually within 48 hours. Material may be returned to any MIT library.

Library Instruction

Instruction in the use of the Libraries’ resources is available for Institute classes, small groups, and individuals. Consult a reference librarian in the appropriate library for more information.

Other Libraries

If you have searched the library catalogues, consulted a reference librarian and still find that MIT does not own the material you need, it may be possible to obtain the item from another library, or even from an online database. Consult with a reference librarian about obtaining the information you want from interlibrary borrowing.

The MIT Libraries also have reciprocal access arrangements with several area libraries. MIT is a member of the Boston Library Consortium (BLC). Faculty, graduate students and other MIT researchers may be eligible for a Consortium Card, which entitles the bearer to register for access or borrowing privileges at Consortium libraries. Application for a Consortium Card may be made at the Humanities Reference Desk. Information about BLC libraries and their holdings is available at any of the MIT libraries. MIT faculty may obtain on-site access and borrowing privileges at a large number of research libraries participating in the Reciprocal Faculty Borrowing Program. The "Scholar’s Passport" is available through the Office of the Director of the MIT Libraries. Brochures describing the program are available at any MIT library reference desk.

Persons having access to the Internet through MITnet may be able to connect to the catalogues of many academic libraries throughout the US. See Techinfo for details on how to connect.

Photocopies

Copy and card-operated copy machines are located in almost every library. Copy cards may be purchased by account number, cash or check at the Microproduction Laboratory in 14-0551 (the basement of Humanities/Science Library). Monday through Friday 9 a.m. to 5 p.m., or by mail. Copy cards can also be purchased at the circulation desks in the Hayden, Barker, Dewey, Rotch, and Lindgren libraries. Copy cards sold at library circulation desks are re-issued for $5.00 (50 copies). At Hayden Library, 50-copy cards are sold through a vending machine that takes a five dollar bill or five ones. They can be purchased at the Microproduction Lab. You can also purchase

additional copies for an existing card through the MRL and through the vending machine in Hayden Library.

Storage

Space limitations in the libraries require that some materials be kept in the RetroSpective Collection (RSC). Material can be delivered from storage to the library closest to you, usually within 24 hours. Fill out a request form for the item(s) you want at the reference desk in any library.

Suggested Purchases

The Libraries are happy to receive suggestions for purchase of materials. Forms are available in each library and may be given to the reference librarian when completed. Electronic suggestion forms will be available on Athena in 1992.

Library Services

LIBRARY HOURS

Term: September 9 – December 21, 1991
January 31 – May 21, 1992

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MIT Libraries are produced yearly by the MIT Libraries Public Relations Committee. Copies are available in all MIT Libraries.

November, 1991
Punk and English music hall tradition join in Carter USM

CARTER THE UNSTOPPABLE SEX MACHINE

By SANDE CHEN

Carter the Unstoppable Sex Machine is a band which strives to combine punk and English music hall tradition. As strange as this may seem, they succeeded wholeheartedly. Their debut album, 101 Damnations, and their follow-up, 20 Something, which is now available in the US, have both been wildly popular on the UK indie front.

Jim Bob (who dislikes being called by his real name, Jim Morrison) and Fruit Bat (Les Carter, a guy with big ears and bad eyesight) first started performing on the streets of South London, playing Buzzcocks covers and songs from the 1940s. They formed Carter USM in 1987, and soon after the Rough Trade release of 101 Damnations in early 1990, the band was touring with openers EMF in Europe. 101 Damnations went to fifth place on the UK indie charts and ninth place on the 1990 indie charts and ninth place on the 1990 New Musical Express Readers Poll, which also listed Carter USM as one of the best new bands of the year.

From their beginning, Carter USM has been difficult for music critics to define. Ozzy Osbourne critic from The Guardian cried, calling Carter USM "the Pet Shop Boys, eaten alive by The Clash." Certainly, Carter USM is a band which strives to combine punk and English music hall tradition. As strange as this may seem, they succeeded wholeheartedly.

But it is Carter's elusiveness that makes them unique. There is an unexpected explosive and brash quality connected to this music. At times, the group's performance is feverish, and their lyrics are prone to fits of yelling. Elsewhere, their tone is moody and sedate, and still other songs show the group's music hall origins.

Carter's first single from 20 Something, "Bloodsport For All," concerned racism in the British army and was banned from radio stations during the Gulf War. Despite this, "Bloodsport For All" went to second on the UK indie singles chart in February 1991, and within a month 20 Something was the top indie album in the UK.

Carter's lyrics hint at the hopelessness of human tragedies and the grim realities of domestic violence, murder, alcoholism and war. In "Anywhere, Anytime, Anywhere," Jim Bob reminds us, "There's no such thing as Dr. Sues" while describing saline found in the bottle as "Galloway's core throat expectorant, after-shave and disinfectant / If it's in a glass you'll drink it."

In the energetic "Everything a Churchill Rings," the group talks about suicide, and in "G.I. Blues" and "Say It With Flowers," they depict the aftermath of war. Yet, even when Carter USM discusses violence on the streets, as in "Midnight on the Murder Mile," or homeliness, as in "An American National Sport," they do so with wit. Jim Bob calls heaven "that great high-rise block in the sky" in "The Taking of Peckham 121," and in "My Second to Last Will and Testament," a song about James Robert Injustice, of unsound mind and body, he asks, "Are you prepared to meet your maker and ask for your money back?"

Other notable songs include "Shoppers' Paradise" and "Good Grief Charlie Brown."

In the future, Carter USM plans to tour America promoting their two albums. They're sure to make a lasting impression.

Carter the Unstoppable Sex Machine

FREE TICKETS FOR STUDENTS!

EL CORAZON SANGRANTE

"THE BLEEDING HEART"

An exhibit of works by Mexican, Chicano, and Cuban artists at The Institute of Contemporary Art, Boston

- Friday Dec. 6 at 1-2:30pm

An Office of the Arts excursion featuring a special curator's tour conducted by Matthew Teitelbaum of the ICA

- Reservations may be made IN PERSON ONLY at the Office of the Arts, E15-205

- One ticket per MIT student ID*

- A $5.00 deposit is required (and will be returned after the trip)*

- Valid MIT student IDs must be presented*

- Round trip transportation provided*

- Come to the Lobby of E15 at 12:15pm*

- We will return approximately 3pm*

- For information call: 253-4003*

- 30 Something, TOSHIAS, Chrysalis Records.

For further information and reservations, please call (617) 253-4003.
**ARTS**

**Concert band shines; Angle a harpsichord master**

MIT CONCERT BAND
MIT CONCERT CHOIR

Conducted by John Corley

Concert Choir prepared by John Oliver.

Works by Berlioz, Harris, Kazdin and Kacinskas.

Kresge Auditorium, Nov. 23.

**DON ANGELHEARPICK RECITAL

Manageur House, Nov. 24.**

By JONATHAN RICHMOND

SATURDAY’S COLLATION BETWEEN THE MIT CONCERT BAND AND THE MIT CONCERT CHOIR was an invigorating event. The main work on offer was Berlioz’ Symphonie fantastique, which was stopped in its tracks when the band decided to play another piece. John Corley had his players in top form, evoking a rich miscellany of colors and projecting them with clarity and fire.

The musical opening — the Marche funebre — was majestic through and through. The brass sound was penetrating — with trombones particularly pithy and pungent. Clarinets contributed a cool melodic line, while flutes — sounding out splendidly from their circle at the front of the band — were beautifully coordinated and wide-ranging in their textures and coloration.

Lawrence Isaacson’s trombone solo in the Orono funebre was as precise as it was powerful; the brass as a whole managed crescendos so adeptly it seemed as if their sudden masquerade had descended magically out of the ether. Percussion was crisp and gripping. Corley joined his diverse instrumental voices together to create an atmosphere of mysticism as well as grandeur; the effect was profound. Equally astonishing was the way Corley took his crew into the concluding Apothecary, the mood slowly shifting to be succeeded by the Marche des morts. Elizabeth Smith contributed a striking piccolo solo, her tiny instrument calling ricochets throughout Kreiger Hall. The MIT Concert Choir was climactic for the nationalistic — and rather vulgarly militaristic — text by Antoine de Champs.

It was probably appropriate for the conclusion to be large in scale, but John Oliver must have thought that his choir was being muted by Corley’s heaviness. The musicians, sitting tight in front of the choir, probably had the best time of it, bleating their own hearts out while surrounded by song. As bass clarinetist Charlie Marge put it, “To hear that on stage was like angels’ voices; it was electrifying.” Perhaps next time Corley might make a little more use of the volume control, however, so that those of us in the audience could be enchanted, too.

The Concert Band performed three other works. Cimarron by Roy Harris opened the concert nicely, while Andrew Kazdin’s Invitation on Two American Folk Tunes was given a lively performance, too. Kazdin is an MIT alum, and there is something of the mischievous backer to his music. The band clearly relished its inventiveness and good humor, and the audience did, too.

Transcendent Expressions by the Lithuanian Jeronimas Kacinskas was least successful, but not due to any fault of the band. The music is dense and difficult — and the band dealt skillfully with its many demands, as did organist Louis Toth. But the music is also oppressive, evoking Stalinist images which were not in the least bit “transcendent.” Opinions amongst the band players were mixed. Some didn’t like it as much as I did; others thought it could grow on the listener with repeated acquaintance. For me, however, once was enough.

Don Angel gets original on the harpsichord at MacGregor on Sunday night.

I

ONCE WENT TO ONE OF THE MANY posh little art events they hold in Harvard houses to teach the little Harvards how not to burp while balancing your sherry glass with your caviar plate, and took eight Giants from MIT along with me. The Engineers’ eyes went out on stalks when they eyed the post-per-formance platters and, speeches. Yet, somehow, they took to the trough with gusto. The little circle where I was lurking. “Oh dear,” said one of the fruits-rectored ladies. “But at least you have an accent.”

Tuesday evening MacGregor house was free for something vaguely (Please turn to page 11)

**Antigone suffers from schizophrenic directing**

ANTIGONE

Written by Sophocles.

Directed by Phoebe Wray.

Starring Jana Thompson and Regisio Chicas.

Boston Conservatory Theater.

Nov. 23, 8 pm.

By NIC KELMAN

The Boston Conservatory’s production of Antigone, Sophocles’ final play of the Oedipus cycle, was more than slightly disjointed. The combination of direction, acting, set design and lighting failed to produce a synthesized whole. Some of these elements have been executed in a traditional, formulaic style, true to the way Greek drama was originally conceived, but others were carried out with modern innovation.

What is more, divisions of this type exist even within single elements of the play. Director Phoebe Wray obviously spent considerable time working on the presentation of the chorus. According to the show’s press release, Wray attempted to make the nine-person chorus both a group of Theban elders, as is called for in the script, and a group of Theban townspeople. She tried to achieve this effect by having all the chorus members carry masks throughout their appearance — without the masks, they were townspeople; with the masks, they were elders.

The distinction between the elders and townsmen went largely unnoticed by the audience, as it was only emphasized in the program, not in the program. Still, this innovation, while not doing what it was designed to do, did build some other very interesting moments. The use of the masks — apparently by coincidence, if one believed the director’s statement of purpose — fell precisely in time with the moments of greatest intensity in the text of the play. The masks did serve well to emphasize the tension already present in many moments of the play, as did Wray’s superb use of synchronized motion in the chorus.

Harvards, in contrast, were oh-so-polite, and immersed in good-natured conversation. I thoroughly despised the MIT mob to mingle with the high-society crowd, but my friends evidently showed up, triggering a brief silence in the little circle where I was lurking. “Oh dear,” said one of the fruits-rectored ladies. “But at least you have an accent.”

The problem with Wray was that she mixed this unusual choral form with a very standardized style of direction. The leads’ gave a formal, methodological presentation, but Wray chose a modern interpretation for the chorus and its role in the production. This mismatched combination split the play into two different Antigones, which was a shame, as the quality of the two distinct parts was high in terms of the way Wray handled her actors and seemed to get their best out of them.

Antigone’s set was very simple and traditional, being more or less bare. A spare set is fine in itself, but once again, the traditional conflicted with the modern: The set was lit in a very elegant, radical fashion, not at all in the minimalist and realistic style that such a set really requires.

These conflicts were not, however, what ultimately destroyed the production. The main problem with the play was the lead, Rogeille Chicas, as Creon. At the outset, he was entertaining and quite exhilarating, having practiced his regal bearing enough to be a convincing King of Thebes. Unfortunately, this quality was all he possessed, and his lack of variety and range quickly became tiresome. At the play’s tragic conclusion, his one-note performance made it impossible to empathize with his suffering.

The actors in supporting roles did well enough to carry events along. The sentry (Louis P. Farrell) and the messenger (Martin Phillips) were both worthy of mention. They gave fine performances and were very convincing in their roles. (Perhaps one of them might have been better cast as Creon) Ross Neil, who made a wonderful, albeit short appearance as the seer Tiresias, also gave a noteworthy performance.

The Boston Conservatory’s Antigone was, ultimately, a failure. Had Wray chosen a less schizophrenic directing style and a more talented actor for the vital role of Creon, the play could have been a success. Both of these points are too bad, because the talent was there to produce a good performance in all respects.

Jonathan Richmond/The Tech
Burchard Scholars Program

All MIT Juniors and Sophomores

The 1992 Burchard Scholars Program Is Now Accepting Applications

The Burchard Scholars Program brings together distinguished members of the faculty and promising juniors and sophomores who have demonstrated excellence in some aspect of the humanities and social sciences as well as in science or engineering. Twenty Burchard Scholars are invited to a series of dinner-seminars throughout the year to discuss topics of current research or interest introduced by faculty members, visiting scholars, and Burchard Scholars. The 1992 Program begins in February.

For information or an application, contact: Dean's Office, School of Humanities and Social Science, E51-234 (x3-8961) or the HASS Information Office, 14N-408 (x3-4443).

Application Deadline: Friday, December 6, 1991
Mismatched styles of direction hamper Antigone

(Continued from page 9)

Harvard Square — a cute little musical note
followed by a series of progressive and slightly deficient in
elegance — but lacking in the pretension.

For several years now, the annual "Jazz at
Mozart" series has been a terrifically clever and entertaining festivit
on the harpischord. And they're always intriguingly ticky with the
deserted afterwards.

This year's was part of Stephen Lipper's Housemaster's seminar on Be
roque Music, and featured two concerts. The first
was Thursday evening, December 11, at the Housemaster's seminar. The second
was Saturday afternoon, December 13, at the House on Harvard Square. See the Daily for times.

Jazz at Mozart is the brainchild of the late
Dr. Edward H. Brown, who once served as the Harvard Business Professio
ns seminar at Harvard Business School. He was a masterful musician and
composer, and one of the greatest jazz pianists of his time.

The program for this year's event was quite
unusual, and featured a variety of musical styles, from classical to
jazz. It was a marvelous evening of music, and
the audience was quite moved.

The first concert featured a number of
notable musicians, including Dr. Robert Brown, Dr. Edward H. Brown's
cousin, and Dr. James Brown, who is also a
prominent jazz pianist.

The second concert featured a
number of lesser-known musicians, and was quite
experimental.

Overall, the "Jazz at Mozart" series is a
triumph, and is definitely worth seeing if you're in the area.

On The Town

Compiled by Deborah A. Levinson

Peter Greenaway Retrospective continues at The Cook: The Thiet, Waverley Place, throughout Dec. 29-Dec. 31 at the Harvard Film Archive.

The Harvard Film Archive continues its retrospective of the work of Peter Greenaway with a screening of "The Cook: The Thief, His Wife and Her Lover," directed by Greenaway. The screening takes place at 7 p.m. on Thursday, December 29, at the Harvard Film Archive, 300 Massachusetts Avenue, Cambridge. Admission is free. For more information, call 423-6758.

On Thursday, December 31, the Harvard Film Archive will present a special screening of "The Cook: The Thief, His Wife and Her Lover," directed by Greenaway. The screening takes place at 7 p.m. on Thursday, December 31, at the Harvard Film Archive, 300 Massachusetts Avenue, Cambridge. Admission is free. For more information, call 423-6758.

Upcoming Events

The Harvard Film Archive will present a special screening of "The Cook: The Thief, His Wife and Her Lover," directed by Greenaway. The screening takes place at 7 p.m. on Thursday, December 31, at the Harvard Film Archive, 300 Massachusetts Avenue, Cambridge. Admission is free. For more information, call 423-6758.