April 16, 1986 Volume 30, Number 28

## Faculty meeting

A regular meeting of the faculty will be held today (Wednesday, April 16) at 3:15pm in Huntington Hall (Rm 10-250). Agenda items include:

-A motion to amend Faculty Rules to change membership of the Committee on Student Affairs by Professor Potter.
—Report of the Committee on Nomina-tions by Professor Villars.

—Report of the Edgerton Award Committee by Professor Kochan.

-Two motions: Restoration of the degree Naval Engineer in the Department of Ocean Engineering, and re-naming and reducing the number of SM degrees offered by the Department of Applied Biological Science by Professor Perkins.

-Report on the Writing Requirement

by Professor Hoffman.

-Interim report of the Lincoln Laboratory Review Committee by Professor Smullin

#### Book sale

The MIT Libraries will hold another book sale Tuesday, April 22, 10am-3pm in the former gallery space in Building 14. Titles in all subject areas will be offered but the preponderance will be in social science disciplines. Prices will range from 50 cents to \$4 and will be lowered as the sale progresses. The sale is open to the MIT community only and shoppers are advised to bring their own bags and boxes.

### Songs at market

Two MIT singing groups will perform at Boston's Faneuil Hall Marketplace this coming weekend. The Logarhythms will sing at 4:40pm and the Chorallaries at 6:40 on Friday (April 18) as part of the Sixth Annual Intercollegiate Songfest. Both will perform at the West End of the Marketplace. For information, call 523-1300.

### Swap fest

A tailgate high tech computer and amateur radio market is planned for Sunday, April 20, 10am-4pm in the Albany parking lot (Albany Garage, in case of rain). Space is available for up to 200 sellers, at \$5/parking space. Admission will be \$1.50 for buyers.

The event is being jointly sponsored by the MIT Electronic Research Society and the UHF Repeater Association. Further information is available from Jamie Hicks, 262-5091.

#### Women's tour

A tour of the facilities of the MIT Women's Studies Program, conducted by the director, Ruth Perry, senior lecturer, and the coordinator Cindy Brown will be held Monday, April 28, starting at noon in Rm 14E-316.

#### Jazz preview

The community is invited to an unusual open rehearsal of the MIT Festival Jazz Ensemble tonight (Wednesday, April 16) from 5:15 - 5:45 in Kresge Auditorium. The Ensemble will be putting the finishing touches on the set they will present at the 27th annual Notre Dame Collegiate Jazz Festival this weekend. Three of their four pieces were written by MIT students.

Note: There will be no MITAC ticket sales in Lobby 10 Friday, April 25, but tickets will be available in the MITAC. Office, Rm 20A-023, 10am-3pm.



The MIT Archives and Special Collections-who better?-mounted a greeting last Thursday to mark the 125th anniversary of the awarding of the Institute charter. Other celebrations are yet to come (see below). -Photo by Paula M. Lerner

# ommunity asked to Quasquicentennial Ball

President and Mrs. Paul E. Gray request the presence of the MIT community and their guests at the 125-year Birthday Ball to cele-brate MIT's Quasquicentennial Saturday, April 26, at 9pm in the Athletics Center Ice

And, so does the MIT beaver. Look for the flat-tailed mascot to extend personal invitations in Walker Memorial, outside the Tech Coop (or wherever it chooses) to ask you to attend.

Many students, staff, faculty, alumni and others are expected to be at the extravaganza. Black tie is optional. Tickets, at \$4 for students, \$8 for others, can be purchased in Lobby 10 or at the Information Center (Rm 7-121) through April 25.

Featured will be the music of Dick Johnson and the Swing Shift Band. A variety of dance music will be played, including soft rock. During intermission MIT's own Intermission Trio Plus, led by Samuel Jay Keyser, associate provost, will play.

Earlier on April 26, another Quasquicentennial event will occur - a 1:30pm symposium in Rm 10-250 on the world economy sponsored by the MIT Sustaining Fellows Program and led by Institute Professor Franco Modigliani, the 1985 Nobel laureate in economics. (See story below.)

Mary L. Morrissey, chairman of the gala, reports that preparations have been underway for months. More than 100 students will be involved in decorating for the ball and selling tickets. Coordinating the student involvement are: Peggy Chang, Alpha Phi; Kathleen Carmody, Women's Independent Living Group; Billy Gordon, Sigma Chi; Bernard Teh and Rossana Chiang, International Student Association, and Michael Schoen, Lambda Chi Alpha In addition, the Student Center Committee, led by William Hobbib, has made a contribution toward the band.

Members of the ball committee are: Ms. Morrissey; John Berlinguet, Physical Plant; Martha Bertrand, Resource Development; Jacqueline Casey, Design Services; Rossana Chiang, cochairman, MIT Social Council; David Ferriero, Humanities Library; Gayle Fitzgerald, Conference Services; William Gordon, Sigma Chi; Mrs. Gray; Mr. Hobbib; and Stephen Immerman, director of operamaster, Baker House; Alison Shafer, Council for the Arts; Mr. Teh; and Karen Tenney, Mazlish wins

tions, Campus Activities Complex.

Also, Eric Johnson, assistant dean for

Resource Development, School of Engineer-

ing; Dr. Keyser; Caroline Beer, a senior from

Baker House; Professor Keyser; E. Barbara

Lewis, Sustaining Fellows Program; Joseph

Martori, Alumni Office; Conor Moran, Physi-

cal Plant; Lucille O'Hehir, Food Services;

Hyun-A Park, alumnus; Irenne Reiche, house-

Toynbee Prize Historian Bruce Mazlish of the history faculty has won a major international award, The Toynbee Prize, for his contribution to the social sciences and particularly for his pioneering theories exploring the impact of psychology on history and public policy

The formal presentation of the 1986-87 prize, which is awarded biannually to an outstanding scholar for work enriching the social sciences, will take place later this year, when Professor Mazlish will deliver the Toynbee Lecture.

The Prize Committee, in its citation, made special mention of Professor Mazlish's "major contributions to deepening public understanding of the relationship between psychology and history, and the importance of personality in determining policy.

Professor Mazlish applied this research in, among other works, biographies he has written of former Presidents Richard Nixon and Jimmy Carter and former Secretary of State

Henry Kissinger. The citation continued: "His efforts in the advancement of new disciplines-psycho-

# Fellows plan symposium on economy

A symposium on the world economy, chaired by Nobel Prize recipient Franco Modigliani, will be a highlight of MIT's 125th anniversary celebration on Saturday, April 26.

The symposium, bringing together economists and business leaders, will be held from 1:30-3:30pm in Huntington Hall (Rm 10-250). It is open to the MIT community.

It is sponsored by MIT's Sustaining Fellows, individuals whose financial assistance and commitment to education provide critical support to the Institute. In seven years, membership has grown to more than 900 and the Sustaining Fellows fund has helped establish and support many important campus-wide projects.

Participants in the symposium, "Perspectives on the World Economy," will be Professor Modigliani, winner of the 1985 Nobel Prize in economics; Rudiger W. Dornbusch, Ford International Professor of Economics at MIT; Hendrik S. Houthakker, Henry Lee Professor of Economics at Harvard University; Samuel W. Bodman III, president and chief operating officer of FMR Corporation, and Alexander V. d'Arbeloff, chairman and president of Tera-

The anniversary celebration, marking MIT's founding on April 10, 1861, will continue that evening with a gala ball at the MIT Athletic Center. Other quasquicentennial events will be held throughout the anniversary year.

#### (continued on page 8) Gospel Choir to sing, host others at concert

Staff Writer

Gospel music was born in America not so much at a time or a place as during a coming together of blues, jazz, spirituals and hymns.

To celebrate its richness and history, the MIT Gospel Choir will present a special concert in Kresge Auditorium on Saturday, April 26, at 7:30pm. Admission is \$2, \$1 students/ seniors. Guest choirs will be the Princeton Gospel Ensemble from Princeton University, the Voices of Inspiration from Brown University and the Jubilee Singers of Harvard Divinity School.

A program of songs has been selected to trace the history of gospel music, generally acknowledged as having been founded in 1929 by Thomas A. Dorsey, known as the Father of Gospel Music.

In a confluence of celebrations, the special gospel concert will occur during the official birthday events marking the Institute's 125th year. The concert begins an hour and a half before the opening of the Quasquicentennial

This concert also celebrates a rebirth for the Choir, numbering 30 members this year. It was reformed in 1984 after a hiatus of some years. The title and theme of the concert will be Glorious is the name of Jesus: A Celebration of Gospel Music. According to lead director Daru Gaskin, a graduate student in economics, the occasion is planned as a concert of praise, as a final celebration of the Choir's rich life during this academic year and "as a gift to our fellow students, to the faculty, and to all those in the MIT community who have been our

Let Mount Zion Rejoice, Wipe Your Weeping Eyes, Go Down Moses, Delivered, Glorious Is The Name of Jesus, Power Lord Yes Power and Let It Fall.

Musical director of the MIT Gospel Choir is Jerryl Payne, Class of '74. He is already known on campus for his appearances with the Choir for the annual Martin Luther King day observances and as organist for the special Easter services of St. Paul's AME Church held in Kresge Auditorium every year. He is also accompanist for two of St. Paul's Choirs: The New Temple Singers and the Voices of Women Victorious.

Members of the Choir not shown in the accompanying photograph are: Phyllis Bryant '87, Adrienne M. Buggs '87, Helena Cragg '87,

(continued on page 8)

# INSTITUTE **NOTICES**

Open to public
Open to MIT Community only
Open to members only

# Announcements

June Degree Candidates With Student Loans Administered by MIT – Will receive notices to schedule an Ex-it Interview with the Bursar's Office Student Loan Dept, Rm E19-225, x3-3341. These interviews are mandated by the US Office of Education and are required by the Institute to maintain good standing on the degree list. The notice also serves to activate the repayment status and terms of the loans

Examination Schedules - All students should obtain examination schedule at Information Ctr, Rm 7-121. Exams not listed, or a conflict in exams (two in the same period) must be reported to the Schedules Office, Rm E19-338, Fri, April 18, 1986.

Associate Advisors for Incoming Freshmen - Sign up now in the UASO, Rm 7-104. Info: x3-6771.

1986 Summer Session Registration Material - Available Fri, April 18, at the Registrar's Office, Rm E19-335. Registration ms must be filled in and returned to the Registrar's Office by

First Term 1986-87 Registration Material - For those eligible to register First-Term 1986-87 can be picked up in Lobby 10, May 5-6, 8:30am-4pm.

Students Interested in Medicine - HST (Health Sciences and Technology) Informational Meeting, April 30, 3pm, Rm 3-370. Dr. Roger Mark, HST co-director will speak about MD, MEMP and MD/PhD programs including application procedures and financial aid. Info: Preprofessional Advising, Ann, x3-4737.

John Asinari Award for Undergraduate Research in the Life Sciences - For undergraduates in Course VII, VII-A and VII-B. Deadline: April 25. For details see Tom Lynch, x3-4711,

Information Services Computing Courses and Seminars\*\*
- FEE TRAINING COURSES: Advanced Lotus 1-2-3, May 8-9, 9-5pm, American Institute of Banking, Charles River Plaza, - Register by 12noon, April 28; Introduction to Sym Boston – Register by 12noon, April 20; Introduction to Symphony, \$DASOIMay 1-2, \$-5pm, American Institute of Banking, Charles River Plaza, Boston – Register by 12noon, April 23; Introduction to Word Processing on DECmate II, May 6, 8, 13, 15, 9-12noon, Rm 11-401 – Register by 12noon, April 21. Payment required at time of registration, Rm 11-315; MIT ID required to avoid paying maximum fee. Some courses have prerequisites; questions about registration, call Joan Bubluski, x3-1744.

MIT Community Summer Softball League Organizational Meeting – Thurs, May 8, 5:30pm, Student Ctr West Lounge. Team entry forms due by Fri, May 2. Contact: Peter Vedder, x3-7405, Rm 37-618 or 494-0308 lv mssg.

MITOC White Water Canoeing Class\*\* - April 20, Saco; May 3-4, Farmington (limit 6); June 14, Maine. You must know how to swim. Approx cost, \$35 (includes transporta-tion). Contact Bruce McKenzie, 396-2733.

Serials in the MIT Libraries, 27th Ed - Microfiche listing published three times a year, of approximately 22,000 titles, includes information on holdings, dates, call numbers, and title changes. The 27th edition contains over 100 new titles and is published in two sections: 1) alphabetical list (8 fiche); 2) keyword index (6 fiche). Prepayment required Price: \$20; \$5/MIT staff & students. Send check payable to MIT to Office of the Director, Rm 14S-216.

Free Museum of Science Admission for MIT Students -With MIT student ID, provided by MIT chapter of Tau Beta Pi, the Engineering National Honor Fraternity. Also, reduced ad-mission to special exhibits.

MIT Hunger Drive Food Drive - We need non-perishable unopened foods for Boston's less fortunate. Ongoing collection all day and night at drop-off boxes in Lobby 7, Walker, McGregor

Arts Hotline - Recorded information on all arts events at MIT may be obtained by dialing x3-ARTS. Material is updated every Monday morning.

Nightline\*\* - a student-run hotline open every evening of the term, 7pm-7am. If you need information about anything or you just want to chat, give us a call. We're here to listen. x3-7840.

Faculty Members – Technology Review would like to hear about books being published by MIT faculty members. Please notify us, as far in advance as possible, of your upcoming book Technology Review, Rm 10-140, x3-8250. dinescuit (

#### Club Notes

Tech Model Railroad Club of MIT\* - Spring Open House, Sat, April 19, 2-5:30pm, 7:30-10pm, Rm 20E-214. Features one of the last bottle Coke machines in New England.

WMBR\*\* - is looking for students interested in radio and technical work. Contact Eli Polonsky, x3-4000. Leave name and

MIT Student Cable Programming Group\*\* - Looking for students interested in programming the MIT Cable Television channels. Contact Randy Winchester, x3-7431.

Tool & Die - MIT's humor magazine\*\* - meets every Weds, 7pm, Rm 50-309 (Walker). Everyone welcome

Student Center Committee (SCC)\*\* – Has fun every Sunday, 7pm, Student Ctr Center Lounge. Do you? Call x3-3916 anytime

Animal Rights Forum . - Meets 2nd & 4th Weds each onth, 5pm, Rm 8-105.

MIT Student Duplicate Bridge Club\* - Bridge games every Sat, 7pm; every Thur, Sun & Mon, 6:30pm, \$.75 entry fee, Rm 407, Student Center. Lessons free w/entry at 6:15pm from Bridge Senior Masters. No partners necessary, all welcome

MFT/DL Bridge Club\* - Duplicate bridge, Tues, 6:30pm, Student Center Rm 349. ACBL masterpoints awarded; come with or without partner, newcomers always welcome. Special tour-naments monthly. Handicap game, 3rd Tues every month. Info call Gary Schwartz, x8-2459 Draper, or Mark Dulcey, 272-8428. Admission: \$1/students, \$2/non-students.

MIT Outing Club\* - Camping, cycling, climbing, canoeing, cabins; meets M/Th, 5-6pm, Student Center Rm 461. Also, see our bulletin board in "Infinite Corridor" next to Athena. MIT Table Tennis Club\*\* - Meets Fri, 8-10pm; Sat, 6pm, T-

Club Lounge. Info: Hoang Do, x3-2843. Suguru Araki Open — (4th Annual MIT Open) Competition for all skill levels, May 24-25, 10am-6pm, DuPont Gymnasium. Info: David MArcus,

MIT Go Club\*\* - Meets M/Th, 5-7pm, NE43 3rd flr Playroom. Play the ancient oriental game of skill. Knock to get in if the door is locked.

MIT Hobby Shop\*\* - Complete supervised facilities for woodworking and metalworking, Rm W31-031, M-F, 10am-6pm; Wed, 10am-9pm. Fees: \$15/term students; \$25/term community. Info, x3-4343

MIT Yoga Club\* - Rejuvenate your mind and body with Kundalini Yoga, the science of awareness, M-TW, 5:15pm, Burton Dining Hall. Beginners welcome. Th Seminar Class with Dr. Gurucharan Singh Khalsa, 5pm, Rm 24-624. Info: Fred Martin or Jeff Tollaksen, 247-0506 or x3-3157.

MIT Aikido Club\*\* - meets Mon-Fri, 5:30pm, DuPont exercise room. Aikido is a non-competitive Japanese martial discipline.

MIT Wu Tang Club\* – teaches northern Chinese kung fu, Tues & Thurs, 8pm, Burton Dining Hall; Sat, 10am, Athletic Center. Beginners welcome. For info call Meilin Wong, x5-8713

MIT Tae Kwon Do Club\*\* - Tae Kwon Do is a Korean martial art using kicks, blocks and punches as an effective means of self-defense and physical conditioning. It also cultivates men-tal discipline and inner peace. We are an active club and hold classes for beginners. For current information call Young Soo Ha or Anthony D'Amico, 494-8942.

MIT Wonhwa-do Club\* - A synthesis of karate-do-type and judo-type martial arts. Meets MWF, 7-8:30pm, DuPont Exercise Rm. Beginners welcome. Info: Victor Lin, x5-8264 dorm or Karl Gemperli, 536-1300.

Scuba Club\*\* – The club sponsors dives throughout the term. Call scuba locker (x3-1551) for info and equipment rentals. For more info contact Dave Summa, x3-6464 or Mike Fox 492-4407.

MIT Guild of Bell Ringers\* - meets Mondays, 6:30-9pm, 2nd floor Lobby 7, for change ringing on handbells. We also ring the tower bells at Old North Church. Beginners are welcome. Contact Steve Costenoble, x3-3664 for more information.

#### Religious Activities

The Chapel is open for private meditation 7am-11pm daily.

Christian Science Organization at MIT\* - Weekly Testimony Meeting, Thurs, 5:45pm, Rm 4-145.

Tech Catholic Community\* - Roman Catholic Masses: Sun, 9am, 12noon, & 5pm; T/Th, 5:05pm (except 4/22); Fri, 12:05pm. Penitential Service: Tues, April 29, 7pm. All services in MIT Chapel. Morning Prayer: M.F, 8:15am, Chapel Basement. Bible Study: Sun, 10:35am, Ashdown Hulsizer Rm & Tues, 8pm, Chaplaincy Library. Chaplaincy Office: x3-2981.

Lutheran Ministry and Episcopal Ministry\*\* - Weekly service of Holy Communion: Wed, 5:10pm, MIT Chapel. Supper following at 312 Memorial Drive. For further info, call x3-2325/2983.

Baptist Chapel\* - Baptist Student Fellowship Services, Suns, 7pm, MIT Chapel.

MIT Islamic Society\* – Daily prayers, Ashdown House (basement), 5 times a day. Call x5-9749 dorm, for schedule. Friday prayer, Ashdown House 12:30-1pm, Khutba starts at 12:30pm,

Meditation and Discourse on the Bhagavad Gita\* – Swami Sarvagatananda, MIT Vedanta Society/Ramakrishna Vedanta Society of Boston, meets Fridays through May 23, 5:15pm, MIT Chapel.

United Christian Fellowship\*\* - MIT Chapter of Inter-Varsity Christian Fellowship, weekly meetings: large group for worship and sharing from God's word, Fri, 7pm, Student Ctr Mezzanine or Ctr Lounge; small group meetings for Bible Study and support, weekly at different times. For more info, call Chiu-Oan,

MIT Graduate Christian Fellowship\* — Come meet other Christian faculty, staff and grad students: weekly lunch gatherings, Weds, 11:55-12:55, Student Ctr Twenty Chimneys; info: John Ivan, x3-3880. A fellowship group also meets for a time of prayer and sharing for faculty, staff and graduate students in Sloan School, Thurs, 12noon, Rm E51-024. Contact Andy

MIT Seekers Christian Fellowship\* – Park Street Church Seekers Teaching and Worship Time, Sundays, 9:15am, enjoy our biblical teaching, worship and sharing at Park Street Church, right in front of the Park Street T stop, MIT Seekers leave from McCormick at 8:30am. Come join us

Campus Crusade for Christ\*\* - Family time, 7:15pm, Fri, eves, Rm 37-252. Fellowship, scripture teaching, prayer, singing, refreshments & fun. Tues, prayer time, 7:30-9am, W20-441, Student Center. Call x5-9153 dorm.

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

Morning Bible Studies - Fri, 7:30-8:30am, L-217. Ed Bayliss,

Noon Bible Study\* - Every Wed, Rm E18-465, bring lunch. Ralph Burgess, x3-2422. (Since 1965).

Edgar Cayce Study Group\* - Tuesdays, 6:30-9pm, Edgar Cayee's Search for God material will be used as the basis for group discussion & meditation. For info: Douglas McCarroll, 497-0819 12-9pm or Scott Greenwald, x3-7423.

#### **Graduate Studies**

Unless otherwise indicated, contact Dean Jeanne Richard at the Graduate School Office, Rm 3-136, x3-4869 for further

1987-88 Fulbright and Other Grants for Graduate Study Abroad. Opening for competition for grants for graduate study or research aborad in academic fields and for professional training in the creative and performing arts is May 1, 1986. Approx imately 700 awards to over 70 countries will be available. Applicants must be US citizens at the time of application, who will hold a bachelor's degree or its equivalent before the beginning date of the grant and, in most cases, be proficient in the language of the host country. Except for certain specific awards, candidates may not hold a PhD at the time of application. Candidates for 1987-88 are ineligible for a grant to a country if they have been doing graduate work or conducting research in that country for six months or more during the academic year 1986-87. Creative and performing artists are not required to have a bachelor's degree, but they must have four years of professional study or equivalent experience. Candidates in medicine must have an MD or equivalent degree (e.g. DDS, OD) at the time of application. Applications available from Dean Eugene R. Chamberlain, Rm 5-106. Deadline: September 26, 1986

Fulbright Collaborative Research Grants, 1987-88. Designed ns of 2-3 graduate students or recent postdoctoral resear thers to perform joint research in most countries in the world (except most East European countries, the USSR, and In dochina). There are no restrictions on fields of study. Applicants should check with IIE (Institute of International Education) regarding country availability, prior to applying. Applicants must be US citizens at the time of application, have received the majority of their high school and undergraduate education at US educational institutions and must hold a BA degree or equivalent before the beginning date of the grant. Applicants with a PhD at the time of application may have obtained the

degree no earlier than June, 1984. Applicants in medicine must have an MD degree or equivalent (e.g. OD, DDS) at time of application. Applicants are expected to have written and spoken proficiency in the language of the host country. The statement of proposed research submitted by team members may be identical, complementary to, or present a different dimension of the team's research. Also, evidence of affiliation abroad with a host country institution on on-going project that will oversee the research must be presented with the application. Grants are normally for 6-10 months and will provide fixed sum awards to each member of the team, in addition to basic health and accident insurance coverage. It is expected that each member of the team will carry out research in one country abroad for a miniteam will carry out research in one country abroad for a mini-mum of six months during the same academic year, although all members of the team do not necessarily have to be in the host country concurrently. Applications available from Dean Eugene R. Chamberlain, Rm 5-106. Deadline: December 1, 1986.

#### International Opportunities

The following is a list of opportunities available to foreign na-tionals or students desiring work abroad. For more information on these, please see the International Jobs notebook in the Office of Career Services, Rm 12-170.

The Shimizu Construction Co., Ltd (Tokyo, Japan), one of Japan's oldest and largest engineering and construction companies is currently seeking Japanese nationals who are graduating this year with a Bachelor's or Master's degree in any field.

#### Internships

The following is the list of internships received this week. For more information please see the Internship Information notebook in the Office of Career Services, Rm 12-170. NOTE: The Office of Career Services has added a new directory

to their Career Library: Getting Work Experience, the College Students' Directory of Summer Internship Programs that Lead to Careers. It can be found in the Reference section of the Career

#### Internships Offering a Stipend:

The Gillette Company in Boston has two openings for sophomore financial services interns for the summer. Candidates must be completing their sophomore year with a major in accounting or finance. Salary is \$287/wk.

The City of New York, Dept of General Services, has announced their Summer Intern Program. They have a variety of positions available in radio/tv broadcasting, engineering, real estate, systems analysis, accounting, program management, human resource development and computer science. The deadline to apply is May 2.

#### Student Jobs

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

Positions available at the Hyatt Regency in Cambridge. Include: part-time service attendants, AM and PM shifts. Call for specific information regarding shifts. Salaries: service attendants: \$6.35/nr. Room service: \$5.30/nr. Contact: Deborah Fultz, Hyatt Regency Cambridge, Memorial Dr. 492-1234.

Student needed to develop a heat balance program using BASIC. Thermodynamic expertise a must. Hours negotiable; wage is \$7/hr. Contact: Ivan Klumpar or Allen Hurwitz, Sturtevant, Dorchester, (nr Red Line), 825-6500.

Products on Camcer diagnostic and therapeutics company seeks a student (34d or 4th year) with biology, chemistry or one of the biological sciences. Expected to work with literature researches and reviews and computer searches. Possibility of full-time summer employment. Hours: 5-10/wk, flexible during the term. Salary is \$7+/hr. Contact Ted Hickey, Applied Biotechnology, 80 Rogers St, Cambridge, 492-7289.

Oakland Group, Inc seeks C programmers with experirence on IBM PC's. Assembly language helpful. Hours flexible; salary determined by experience/productivity. Contact: John Whitman, Central Sq. Oakland Group, Cambridge, 491-7311.

35 telephone interviewers needed part-time through the first week in May. Will conduct market research interviews with engineers, and receive paid training. Should provide own transportation. Morning, afternoon, and evening shifts available (3,4 or 5 hrs each). Salary is \$6/hr. Contact Jack Vitale, API Ltd, 159 Linden St, Wellesley, MA 02181, 237-7600.

MIT and Wellesley undergraduates are invited to join with faculty members in pursuit of research projects of mutual fascina-tion. Undergraduates are also urged to check the Undergraduate Research Opportunities Program's bulletin boards located in the main corridor of the Institute and in the UROP Office Faculty supervisors wishing to have projects listed should send project descriptions to the UROP Office. Questions? Contact us, x3-5049,

Cellular Automata Modelling of Nonlinear Physics. Participate in developing various models of continuous media, such as models for turbulent fluid convection. Write code, design graphics, etc. Faculty supervisor and contact: Stephane Zaleski, x3-1715. Rm 2-239.

Redesign Photo Booth. UROPer will remodel shopping mall photo booth to accommodate new camera and a computer to control it. Student should have basic and finished carpentry skills, as well as the desire to redesign and realize an aesthetically pleasing piece of equipment/furniture. Should be able to work independently for 8-12 flexible hours/week. PAY or credit. Faculty supervisor: Glorianna Davenport. Contact: Guy Guillet, x3-1607, Rm E15-431.

Dept of Applied Biological Sciences. Project examining the effects of chemical carcinogens on gene expression in human lymphoblastiod cells. Will have the opportunity to learn cell culture technique and various methods used in molecular Faculty supervisor: Prof G. Wogan. Contact: Mark Miller, x3-6751.

Clinical Biomedical Engineering. Dr. Philip A. Drinker is interested in supervising students in the field of clinical biomedical engineering. If you have a project interest in this field of interest please contact him at 732-6735.

UROP in History, UROPer interested in 19th century history, especially African and South African. Contact: R. Rotberg, x3-3641. Rm 14N-321.

Economics. UROPer needed to help in the manipulation and analysis of data on the effects of recent changes in the regulation of the railroad industry on the allocation of monopoly on coal. Primary data on tape — manipulation will include ex-tensive aggregation on the IBM. Analysis will mostly involve econometrics work. Experience with MIT's IBM mainframe and tape handling, background in microeconomic theory, and famil-ingity with econometrics wice aversions with SAC. iarity with econometrics prior experience with SAS particularly helpful. Faculty supervisor and contact: Prof A. Friedlaender, x3-3450, Rm E51-234.

Research Program on Communications Policy. UROPer interested in stydying the spread of new media technologies. Student's responsibilities will include: research to determine sales, definition, economics, and use of media products in American households; integration of the above data into models of media product diffusion; and development of new mathematical models of hardware sales and the amount of time the public allocates to media consumption. Familiarity with Lotus 1-2-3, elementary economics, and media technologies would help but are not necessary. Faculty supervisor: Prof W. Russell Neuman. Contact: Shawn O'Donnell, x3-3135, Rm E53-366.

#### Cable Television Schedule

MIT Cable Television serves the MIT campus. For con-nection and programming information, call x3-7431.

Wednesday, April 16 Channel 9: 9-10:30ám – High Frequency Seismology. 2-3:30pm – 13.862 Ocean and Seabed Acoustics II.

10:30am-12noon - Live coverage of the MIT Optics and Quantum Electronics Semin

Thursday, April 17 Channel 8:

6pm - 8.02 Help Session #10. Program will repeat until 9am,

Channel 9:

9-10:30am - High Frequency Seismology. 8-9pm - Nihonga, The Japanese Paintings.

10:30am-12noon — 12.762 Experimental Physical Oceanography. Live from WHOI.

Friday, April 18

8.02 Help Session #10. Program will repeat until 9am, 4/25.

10:30am-12noon - 12.806 Instability and Turbulence in Geophysical Systems.

Saturday, April 19 Channel 8: 8.02 Help Session #10. Program will repeat until 9am, 4/25.

Sunday, April 20 8.02 Help Session #10. Program will repeat until 9am, 4/25.

Monday, April 21

8.02 Help Session #10. Program will repeat until 9am, 4/25.

Tuesday, April 22 Channel 8: 8.02 Help Session #10. Program will repeat until 9am, 4/25. 4:30-6pm — Live coverage of the MIT Biology Colloquium.

4:30-6pm - 8.02 Help Session #10.

Channel 10: 3-5:30pm - Live coverage of the MIT VLSI Seminar.

10:30am-12noon - 12.806 Instability and Turbulence in Geophysical Systems. Live from WHOL

8.02 Help Session #10. Program will repeat until 9am, 4/25.

Wednesday, April 23

Channel 9: 9-10:30am - High Frequency Seismology.

2-3:30pm - 13.862 Ocean and Seabed Acoustics II.

10:30am-12noon - Live coverage of the MIT Optics and Quan-

tum Electronics Semin Thursday, April 24

Channel 8: 8.02 Help Session #10. Program will repeat until 9am, 4/25.

Channel 9: 9-10:30am - High Frequency Seismology.

Channel 11. - 12.762 Experimental Physical Oceanography 10:30am-12noon -Live from WHOI.

Friday, April 25

8.02 Help Session #10. Program will repeat until 9am.

Geophysical Systems. Monday, April 28

WHOI.

Channel 11: 2-3:30pm - 13.862 Ocean and Seabed Acoustics II. Live from

10:30am-12noon - 12.806 Instability and Turbulence in

Tuesday, April 29 Channel 10:

3-5:30pm - Live coverage of the MIT VLSI Seminar.

10:30am-12noon - 12.806 Instability and Turbulence in

Geophysical Systems. Live from WHOL Wednesday, April 30

Channel 9:

9-10:30am - High Frequency Seismology. 2-3:30pm - 13.862 Ocean and Seabed Acoustics II.

tum Electronics Seminar

Thursday, May 1 6pm - 8.02 Help Session #12. Program will repeat until 4pm,

10:30am-12noon - Live coverage of the MIT Optics and Quan

9-10:30am - High Frequency Seismology.

10:30am-12noon - 12.762 Experimental Physical Oceanography. Live from WHOI.

Friday, May 2

8.02 Help Session #12. Program will repeat until 4pm, 5/6.

10:30am-12noon - 12.806 Instability and Turbulence in

Saturday, May 3

8.02 Help Session #12. Program will repeat until 4pm, 5/6. Sunday, May 4

Geophysical Systems.

Channel 8: 8.02 Help Session #12. Program will repeat until 4pm, 5/6.

#### TECH TALK



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Page 2, Tech Talk, April 16, 1986

# Lee to head Urban Studies & Planning

Dean John de Monchaux of the School of Architecture and Planning has announced

the appointment of Professor Tunney F. Lee as head of the Department of Urban Studies and Planning, effective in August.

Professor Lee succeeds Professor Gary A. Hack, who concludes a fouryear term as department head at the end of the academic year. Dean de Monchaux noted the "substantial accomplishments" of Professor Hack, which he said

included the establishment of the Master of Science Program in Real Estate Development, a revised curriculum and admissions policy for the PhD program in urban studies, a new master's degree track in planning for developing areas, and the implementation of a new Master of City Planning core curriculum.

Professor Lee's selection was the result of a consultation process led by Professors Donald A. Schon and Judith Tendler. It included a survey of department faculty, students and

Dean de Monchaux said that Professor Lee's achievements in teaching, practice and public life have been guided by a "commitment to equity that he shares with members of his department.

Professor Lee joined the MIT faculty in 1970 as associate professor in the Departments of Architecture and Urban Studies and Planning. He is now professor of architecture and urban planning. He directed the Master of City Planning Program from 1980 to 1983 and helped develop the Environmental Design Program, an interdepartmental curriculum leading to a dual professional degree in architecture and planning.

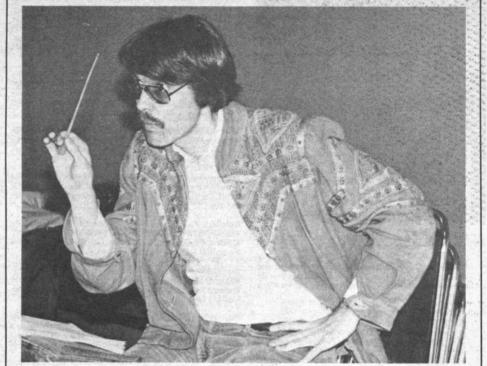
Professor Lee will return to MIT in September from a leave of absence during which he served as deputy commissioner of the Massachusetts Division of Capital Planning and Operations. He was appointed to the position by Governor Michael Dukakis in February 1983. The agency, established in 1981, is in charge of the state's real property, with responsibility for construction, renovation and alteration as well as the leasing of

space and acquisition and disposition of land. In his post Professor Lee has directed one of the largest building and real estate management entities in the eastern United States. During his tenure the agency has worked to increase quality, credibility and professionalism in the design and construction of state buildings. It has established an Office of Real Property, developed and expanded programming for state building projects, and revised design and construction administration proce-

A focus of Professor Lee's career has been citizen participation in planning decisions. In 1978-80, he directed the Citizens Review Committee and the design review for Copley Place, an innovative example of brokering developer and citizen concerns throughout the design process for a major development.

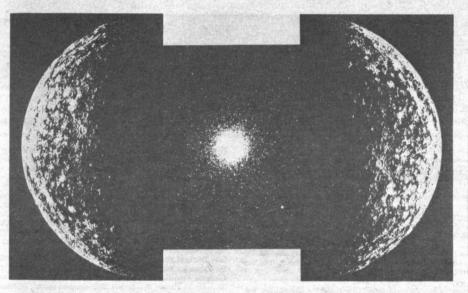
Professor Lee was born in Taishan, China, in 1931. After receiving a B.Arch. degree from the University of Michigan in 1954, he worked as an architectural designer for I. M. Pei & Partners, Ulrich Franzen and other firms in New York, and for R. Buckminster Fuller in Raleigh, N.C. He also was director of urban design for Marcou, O'Leary & Associates in Washington, D.C. From 1961 to 1966 he was chief of planning design for the Boston Redevelopment Authority.

Professor Lee and his wife, Irene, live in Newton. They have three daughters, Thea, Kaela and Dara.



Composer John Harbison leading a rehearsal for his newly created "Music For Eighteen Winds," to be performed by the MIT Chamber Players for the 1986 Abramowitz Memorial Concert, Friday, April 18, at 8pm in Kresge Auditorium. Admission is free. This will mark the first time a Harbison composition has ever been given a world premiere at MIT. The new work was commissioned by the Council for the Arts. The concert has been selected for recording by the Chamberworks program of WGBH-FM Radio. Included on the program will be: Octet by Stravinsky, Wind Serenade in E-flat by Mozart, and Overture to the Barber of Seville by Rossini. Professor Harbison, first permanent holder of the Class of 1949 Professorship at MIT, has recently received several new commissions, including one for his Symphony No. 2, to be premiered next year for the 75th anniversary observance of the San Francisco Symphony. The Boston Symphony Orchestra premiered Harbison's Symphony No. 1 in 1984.

-Photo by Herb Smith



An image created by graduate student Ebon Fisher for his special multimedia performance "Viscera," to be presented at the Center for Advanced Visual Studies on April 24 and 25 at 8pm. Mr. Fisher's work will use films, slide illusions, recorded sound and live music. The artist has explained that the work amplifies special features of the Earth's geological and biological history, in the hope of allowing audience members to meditate on the beauty and peculiarity of our origins and existence. Mr. Fisher is a candidate for the Master of Science in Visual Studies degree. The event, supported by both the CAVS and the Council for the Arts at MIT. will occur in a performance space on the first floor of the CAVS Building (W11). Admission is free; students and all members of the community are invited.

# Symposium planned on Central America

A two-day symposium on "Politics and Culture in Central America" will be held Thursday and Friday, April 24 and 25 at MIT and is open to all interested members of the community

A round-table discussion with presentations by the noted Salvadoran poet, novelist and testimonial writer Claribel Alegria; Professor George Yudice of Hunter College, and Arnoldo , a representative for the Salvadoran FDR-FMLN will be held Thursday at 7:30pm in Huntington Hall (Rm 10-250). Ms. Alegria and Mr. Ramos will discuss the present political geography of El Salvador and the impact

#### Course XXI Lecture set

Richard P. Adelstein '68 will deliver this year's Course XXI Alumni Lecture on Friday, April 18 at 4pm in Rm 14E-304. His subject will be "The Nation as Economic Unit: Origins of Military Keynesianism."

Professor Adelstein is a member of the Department of Economics and the College of Social Studies at Wesleyan University. After receiving his SB degree in Course XXI-E, with a joint major in history and electrical engineering, he went on to earn an MAT at Harvard and the JD and PhD (in Public Policy Analysis) at Pennsylvania. He is the author of The Negotiated Guilty Plea: An Economic and Empirical Analysis and numerous other publications dealing with law, political economy, and the relationships between them. Professor Adelstein has been honored as a visiting fellow at both Yale and

Discussion and a social hour will follow the lecture. All members of the MIT community are welcome to attend.

that five years of war has had on cultural expression there. Professor Yudice, an authority on contemporary testimonial literature, will explain the singular vitality of this form throughout Central America as people struggle to make meaning out of their personal experiences of political violence.

Ms. Alegria will read (in Spanish) selections from her poetry and prose on Friday at 3pm in Rm 14E-304. Many of her poems are already known to the US audience through the translations of Carolyn Forche, Flowers from the Volcano, published in 1982 by the University of Pittsburgh Press. Ms. Alegria, who now lives in Nicaragua, is considered one of the most important women's voices in Latin American literature today.

The symposium is being jointly sponsored by the Program in Latin American Studies, Foreign Languages and Literatures, Anthropology and Archaeology, the Department of Political Science and the School of Humanities and Social Science.

#### Japanese films to be shown

Two prizewinning Japanese films will be shown at MIT in April and May as part of a Japanese Movie Festival organized through the MIT Lecture Series Committee.

Family Game, Yoshimitsu Morita's 1984 movie, will be presented on April 30, and Distant Cry From Spring, Yoiji Yamada's 1980 World Film Festival prizewinner, on May 7. Both will be shown at 8pm in Rm 10-250. Admission is \$2.

Sponsors include the MIT Japan Science and Technology Program, the Japan Society of Boston, the MIT Wellesley Exchange and the MIT Center for International Studies.

# Rare Schubert works to be sung

Roland Vazquez of the Music Section teaching staff will conduct a concert of music from the operas of Schubert, in Kresge Auditorium on Saturday, April 19, at 8pm.

It will include a rare complete concert performance of Die Zwillingsbruder (The Twin Brothers), marking one of perhaps a halfdozen performances in the US to date. Admis-

The concert will feature some of the area's finest young singers, a chamber orchestra composed largely of MIT students and staff and the Mastersingers chorus, the Lexingtonbased group directed by Betsy Burleigh, also an affiliated artist in the Music Section.

Narration of the plot will be by Samuel Jay Keyser, associate provost for educational programs and policy and professor of linguistics. Professor Keyser also will be one of the trombonists in the orchestra.

Soloists will be: sopranos Jayne West, Kathleen Allen and Anna Soranno; tenors William Cotten and James Broussard; baritones Brian Davis and Kevin Brau, and bass, Jonathan Barnhard. Mr. Brau is a research scientist in the Plasma Fusion Center while Ms. Allen is a technical instructor in the Music Section.

In the following, Mr. Vazquez briefly introduces the background for this concert: "Though Schubert is certainly among the most well known and popular of musical figures, his operatic music is almost totally unknown. In fact, many if not most music-

# Wilson appointed in Communications

Mark Wilson, production manager of the MIT Communications Office since 1981, has been



named communications manager. He succeeds Janet Snover who has recently been appointed manager of customer relations and services at Graphic Arts.

His appointment was announced by Kathryn W. Lombardi, executive assistant to the President and director of Campus Information Services.

Ascommunications manager, he oversees the publication of the MIT course

catalogue, President's reports, Treasurer's reports and numerous publications for academic and administrative offices throughout MIT. In addition, he serves as an advisor to other offices on publications policies and procedures.

Mr. Wilson joined the office in 1980 as editorial/production assistant, and was promoted to production manager in 1981. Before he came to MIT, he was on the staff of the book production division at The Word Guild, Cambridge, from

He graduated cum laude from Boston College with an AB degree in communications in May 1979. He also attended the Graphic Arts Management Program at Northeastern University from 1980-82 where he studied graphic arts production, copy editing, typography, graphic design and lithography.

A resident of West Newton, Mr. Wilson is married to Ruth Moore, a Boston attorney. They have a six-month-old son, Alexander.

lovers are surprised to learn that he composed operas at all. Schubert's compositional career lasted only about 17 years, a remarkably short creative life span, given the enormous amount of wonderful music he was able to

"When he died at 31 he left behind nine completed operas and substantial portions of another five. Only one of these, Die Zwillingsbruder, was ever performed in his

"The first half of the program will include vocal excerpts from several other Schubert operas, and most of the music will be presented in Boston for the first time.

# Railroads are focus of Healy Lectures

Peter Detmold, special consultant to the Railway Association of Canada, will give the 1986 Kent T. Healy Memorial Lecture Friday, April 18, at a noon luncheon in the West Lounge of the Student Center. His topic will be "Procurement of an Efficient Railroad System.'

The Healy Memorial Lecture honors the late Professor Kent T. Healy, an MIT alumnus, who taught transportation subjects at Yale University for 42 years. Professor Healy, who died last year, established the graduate program in transportation at Yale and served as chairman of the economics department. He retired in 1970. In 1983 he received the Transportation Research Forum Award for Distinguished Transportation Research

His former students established the Kent T. Healy Memorial Fund, which is devoted to stimulating interest in transportation, espe-

cially in railroads. The fund's treasurer, Herbert Bixler, said

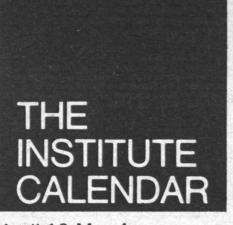
the goal is to "disabuse youngsters of the notion that the railroad is a 19th Century dinosaur. On the contrary," said Mr. Bixler, a transportation consultant, "they (railroads) are on the cutting edge of development of avant garde high tech. There is no doubt that railroads contribute to the economic life of the continent. The industry is undergoing a fascinating revolution in technology.

Mr. Detmold's talk on April 18 will be one in a series of luncheon seminars on transportation cosponsored by the MIT Center for Transportation Studies and the New England Transportation Research Forum, a group of transportation academics and professionals.

#### Italian playwright to visit

Theatre lovers are reminded to mark their calendars for the Dramashop's spring major production, We Won't Pay! We Won't Pay! by Dario Fo, the controversial Italian playwright sometimes described as the "funniest man in the world.

There will be only five performances, directed by Dr. Robert N. Scanlan, in Kresge Little Theatre, May 1-4 at 8 pm and Sunday, May 4, at 2pm. Mr. Fo himself will be here from Italy and will give a workshop in Kresge Little Theatre on Monday, May 5, 2-4pm. Admission to the play: \$5, \$4 students/senior. Information: 3-2877.



#### April 16-May 4

Freshmen are encouraged to attend departmental lectures and seminars. Even when these are highly technical they provide students one means to learn more about professional work in a department and field

MISS THE TECH TALK DEADLINE?

Put your announcement on the MIT Cable System. "To-day at the Institute" runs 24 hours a day and can be viewed in Lobby 7, Lobby 10 and anywhere the cable is

Simply submit announcement in writing to Rm 9-030. We refer a day's warning, but faster action may be po

Useful also for correcting errors, notifying about cancellations, and dealing with emergencies.

Note: If you have met the Tech Talk deadline, your announcement is automatically put on cable (except for exhibits and some multimeetings programs).

#### **Events of Special Interest**

Humanities, Arts and Social Sciences Open House\* - Wed, April 16, 12-5pm, Sala de Puerto Rico Info on concentrations, major programs, electives, and HUM-Ds.

MIT Libraries Book Sale\*\* - Tues, April 22, 10am-3pm. Hayden Gallery (Bldg 14). Books in all subject areas, but mostly in disciplines of social sciences. Prices range: \$.50-\$4, but will be lowered as the sale progresses, so bargain hunters should stop by more than once. Shoppers advised to bring their own bags

Politics and Culture in Central America\* - Program in Latin American Studies/Foreign Languages and Literatures/Anthropology and Archaeology/Dept of Political Science/School of Humanities and Social Science Symposium, April 24-25, Session 1: El Salvador After Five Years of War – Arnoldo Ramos, doctoral candidate, Stanford University; US rep, Salvadoran FDR-FMLN. The Two Cultures of El Salvador Claribel Alegna, El Salvadoran poet & novelist. Testimonial Literature: Building a Popular Consciousness – George Yudice, Dept of Romance Languages, Hunter College, NY; literary critic. Images of Central America in the US Media – Jean Franco, Spanish American literature instructor, Columbia University, April 24, 7:30pm, Rm 10-250. Public discussion to follow. Session 2: Readings of Poetry and Prose - Claribel Alegna, in Spanish, April 25, 3pm, Rm 14E-304. Reception,

Perspectives on the World Economy\*\* - MIT Sustaining Fellows Symposium, April 26, 1:30-3:30pm, Rm 10-250. Opening Remarks: Central Issues of the International Economic Scene – Institute Prof Franco Modigliani; Dollars, Debts and Deficits - Prof Rudiger W. Dornbusch, MIT Ford International Prof of Economics; Trade Problems - Prof Hendrik S. Houthakker, Henry Lee Prof of Economics, Harvard University. Discussants: Samuel W. Bodman III, president and chief operating officer, FMR Corp, Alexander V. d'Arbeloff, chairman and president, Teradyne, Inc.

Greater Boston Walk for Hunger\* - MIT Hunger Action Group/Project Bread 20 mile walk to raise money for local soup ns and shelters, Sun, May 4, begins 8am, Boston Com mon. MIT Hunger Action Group awarding a prize (Toscanini's ice cream and a plaque) to the MIT living group which walks

#### Seminars and Lectures

#### Wednesday, April 16

Coherent Beam Addition and Modular Laserss\*\* - J.R. Leger, MIT Lincoln Laboratories, EECS/RLE Seminar on Optics and Quantum Electronics, 11am-12noon, Rm 36-428.

MacDraw and MacDraft\*\* - Sherry Howlett, Apple Co puter, Inc, Information Systems Seminar, 12-1pm, Rm 13-1143.

Laboratory Observation of Isolated Waves and Eddies\* – John Whitehead, WHOI, Oceanography Sack Lunch Seminar, 12:10pm, Rm 54-915.

Behavior of Interstitials in Crystal\*\* - Horngming Hsieh, PhD Candidate, Dept of Nuclear Engineering RST Seminar, 4pm, Rm 24-121. Refreshments served, 3:45pm.

To Uranus, Next Time\* - Prof Freeman J. Dyson, Institute for Advanced Study, Princeton University, Herman Feshbach Lecture in Physics, 4pm, Rm 54-100.

Morals and Management: A Status Report\* - Dr. Scott Cook, research associate in business ethics, Harvard Business School, MIT Hillel "Two on Business Ethics" Series, 4pm, Rm E51-328

Reading in a Foreign Language\* – Prof Elizabeth Buchter-Bernhardt, Foreign Languages and Literatures Seminar, 4pm, Rm 4-249

Conditions in the Mt St. Helen's Magma Chamber from Experimental Petrology\*\* - Prof Malcolm Rutherford, Dept of Geological Sciences, Brown University, Dept of Earth, Atspheric, and Planetary Sciences Colloquium, 4-5pm, Rm

Geochemistry of Volatile Organic Compounds in Coastal Seawater\*\* - Stuart Wakeham, WHOI, Chemistry, Ralph M. Parsons Laboratory Aquatic Sciences Seminar, 4pm, Rm

Lecture/Recital on the Chinese Lute\*\* - James Watt, Metropolitan Museum of Art, Music Lecture, 4:30pm, Rm

#### Thursday, April 17

The Boston Computer Society\*\* – Jonathan Rotenberg, founder and president, BCS, Information Systems Seminar, 12-1pm, Student Ctr West Lounge.

Cultural Destruction from the Destrtoyer's Point of View A Central American Example\* - Prof James Howe, MIT Anthro/Archaeology Program, Anthropology/Archaeology Program Work-in-Progress Seminar, 12noon, Rm 20B-136.

Trends in Microcomputer Software\*\* – William H. Gates, chairman of the board, Microsoft Corporation, Laboratory for Computer Science Distinguished Lecturer Seminar, 3:30pm, Rm 34-101. Refreshments served, 3:15pm.

Environmental Health: International Dimensions\* - Prof Eugene B. Skolnikoff, director, Ctr for International Studies, MIT Dept of Political Science, Ctr for Technology, Policy and Industrial Development/Whitaker College of Health Sciences Program in Health Policy Seminar on Environmental Health and Industrial Development: Current Research and Educational Perspectives, 4-5pm, Rm E25-401. Refreshments

Lattices, Trellises, and Bandwidth Efficient Modulation\* – David Forney, vice-president and director Technology and Planning Motorola Information Systems Group, Laboratory for Information and Decision Systems Colloquium, 4pm, Rm 9-150. Reception, 3:30pm, Lobby Rm 9-150.

Neutrino Detection\* - Prof Freeman J. Dyson, Institute for Advanced Study, Princeton University, Herman Feshbach Lecture in Physics, 4pm, Rm 10-250. Refreshments served, 3:30pm, Lobby Rm 10-250.

Angiogenesis Inhibitor (Collagenase Inhibitor) Purified from Bovine Scapular Cartilage\* – J. Sudhalter and J. Behm, Dept of Applied Biological Sciences Seminar, 4pm, Rm

Cartilage Electromechanics — Robert L. Sah; Antibiotic Susceptibility\*\* — Jon G. Bliss, graduate students, HST Medical Engineering/Medical Physics Program, HST 590 Biomedical Engineering Seminar, 4pm, Rm E25-117.

Remittances: A Differential Game Theoretic Approach – Shah Ashiquzzaman, Harvard University, MIT/Harvard Research Seminar on Migration and Development, 4-6pm, Harvard Ctr for Population Studies, 9 Bow St

Seismic Verification of Nuclear Test Ban Treaties\*\* Thomas H. Jordan, MIT Dept of Earth, Atmospheric and Planetary Sciences, Ctr for International Studies, Defense and Arms Control Studies Program Seminar, 4-6pm, Rm E38-615.

Articles, Nouns, and Quantifiers\*\* - Writing and Communication Center ESL Writing American English Workshop, 4:15pm, Rm 14N-317.

#### Friday, April 18

Introduction to Scientific Word Processors\*\* - Information Systems Seminar, 12-1pm, Rm 13-1143.

Properties of Si-Ge Superlattices\* - Dr. Roosevelt Peoples, Bell Laboratories, Ctr for Materials Science and Enginee Colloquium, 12:15pm, Rm 9-150. Lunch provided, 12noon.

Development and Procurement of Advanced Control Development and Procurement of Advanced Control
Systems for Freight Railroading\* - Peter Detmold, special
consultant, CP Rail, Center For Transportation
Studies/Transportation Research Forum of Boston Seminar,
12:45-2pm, Student Ctr Rm 407. Optional luncheon, 12-12:45pm: luncheon fee - \$2/students; \$6/non-students.

The Effect of Hydrogen Sulfide Upon a Ni-Mo Hydrotreating Catalyst\*\* - Vito LaVopa, Chemical Engineering Seminar, 2pm, Rm 66-110.

Synthesis of Evaporation Systems Using Minimum Utility Insights\*\* - Prof Arthur W. Westerberg, Dept of Chemical Engineering, Carnegie-Mellon University, Chemical Engineering Seminar, 3pm, Rm 66-110.

Transfer Technology and Science\* – Prof Arthur E. Bergles, distinguished professor, Iowa State University, Dept of Mechanical Engineering Seminar, 3pm, Rm 3-133.

Quasi-Conforming Finite Element: An Effective Alternative for Plates and Shells\* - Prof Limin Tang, engineering mechanics, Dalian Institute of Technology, Dalian, China, Dept of Aeronautics and Astronautics Seminar, 3-4pm, Rm

Objective Evaluation of the Mechanical Properties of Fabrics and Its Role in Anticipating Manufacturing Prob-lems and Product Satisfaction\*\* – Prof Sueo Kawabata, Dept of Polymer Chemistry, Kyoto University, Japan, Laboratory for Manufacturing and Productivity Seminar, 3-5pm, Rm 35-520. Refreshments served.

Microwave and Millimeter Wave Radiation from Rotating Electron Beam\* - Prof William W. Destler, University of Maryland, MIT Plasma Fusion Seminar, 4pm, Rm NW17-218.

The Nation as Economic Unit: Origins of Military Keynesianism\* – Prof Richard P. Adelstein '68, Wesleyan University, Course XXI Alumni Lecture, 4pm, Rm 14E-304.

#### Tuesday, April 22

The BCS IBM Users Group\* - Judy Edwards, Boston Computer Society's IBM PC Users Group, Information Systems Seminar, 12-1pm, Rm 13-1143.

Robust Estimation and Prediction in the Presence of Unknown But Bounded Noise\* – Dr. Roberto Tempo, CENS-Consiglio Nazionale delle Ricerche (Italy); Dept of Computer Science, Columbia University, Laboratory for Ination and Decision Systems Colloquium, 2:30pm, Rm

Controlled Release of Diphosphonate to Prevent Bioprosthetic Heart Valve Calcification\* – Dr. G. Golomb, Dept of Applied Biological Sciences Seminar, 3pm, Rm E25-202.

Japanese Groups Versus Western Hierarchies: The Changing Structure of the Auto Industry\*\* – James P. Womack, MIT, Ctr for Technology, Policy and Industrial Development International Motor Vehicle Program Seminar, 3pm, Rm E40-212.

copy of Molecular Ions at the Dissociation Limit\*\* Alan Carrington, Oxford University, Laser Research Ctr/George R. Harrison Spectroscopy Laboratory/Research Laboratory of Electronics/School of Engineering Seminar on Modern Optics and Spectroscopy jointly with Physical Chemistry Seminar, 4pm, Rm 3-370.

Controlled Release of Diphosphonate to Prevent sthetic Heart Valve Calcification\*\* - Dr. G. Golumb, Applied Biological Sciences Seminar, 4pm, Rm E25-202

The "Fat Mind": Overcoming Psychological Barriers Dur-ing Weight Loss\* – Robert A. Hoerr, MD; Leslie Weiser, PhD; Karen Boles, RN, Clinical Research Center Seminar on Battling the Bulge: Science and Obesity, 4-5pm, Rm

Cryosphere on Climatic Change\* - Tamara Ledley, Rice University, Ctr for Meteorology and Physical Oceanography Seminar, 4pm, Rm 54-425.

Molecular Genetics of a Biological Clock in Drosophila\*\*

– Dr. Michael W. Young, The Rockefeller University, Biology
Colloquium, 4:30pm, Rm 10:250. Coffee served, 4pm, Bldg 56

Presentation of Work as a Performance Artist\* - Charlotte Moorman, Ctr for Advanced Visual Studies "The Artists Speak" Presentation, 7pm, CAVS Rm.

#### Wednesday, April 23

Model Copolymerization Reactions, Application in Analysis of Anomalous Radical Copolymerizations\* - Prof David Tirrell, University of Massachusetts, Program in Polymer Science and Technology Polymer Seminar, 11-12noon Rm 66-360. Refreshments served, 10:30am.

Status of the Ultrafast Supercontinuum\*\* - R.R. Alfano, City University of NY, EECS/RLE Seminar on Optics and Quantum Electronics, 11am-12noon, Rm 36-428.

Atriums: Design Methods for a Quality Environment\*\* – Kenneth Gardestad, SM.ArchS degree candidate, MIT Joint Program for Energy Efficient Buildings & Systems/Laboratory of Architecture & Planning Seminar on Building Performance 12-1pm, Rm 1-134. Bag lunches weld

Excel and Helix\*\* - Sherry Howlett, Apple Computer, Inc, Information Systems Seminar on Microsoft Excel, a powerful in-tegrated package combining spreadsheet, graphics and database filing features; and Odesta's Helix, a database package that allows you to store and retrieve text, numbers and picture. 12-1pm, Rm 13-1143.

Dynamics of a Simulated Equatorial Undercurrent\* – Sophie Wacongne, WHOI/MIT, Oceanography Sack Lunch Seminar, 12:10pm, Rm 54-915.

Learning to Solve Science Problems: An Instructional System\* – Dr. Cees Mettes and Dr. J.H.P. Van Weeren, Twente Technical University, Netherlands, Engineering Task Force of Education/Prof Kerrebrock-sponsored Seminar, 1:30-5pm, Rm 1-236.

One-dimensional Kinetics Equations Based on Nodal Theory\*\* – Antonio F.V. Dias, Dept of Nuclear Engineering minar, 3-4pm, Rm 24-213.

What is Wrong with Risk Assessment?\* — Dr. Dale Hattis, MIT Ctr for Technology, Policy and Industrial Development, Ctr for Technology, Policy and Industrial Development/Whitaker College of Health Sciences Program in Health Policy Seminar on Environmental Health and Industrial Development: Current Research and Educational Perspectives, 4-5pm, Rm E25-401. Refreshments served, 3:30pm.

Numerical Software for Microcomputers\*\* - Information Systems Demonstration of PC-MATLAB, a microcomputer package for matrix manipulations with graphics, and LINDO, a microcomputer for linear programming, 12-1pm, Rm 13-1143.

Analysis of Transport Phenomena in Laser Induced CVD of Amorphous Silicon Films\*\* – Sanjay Patnaik, Chemical Engineering Seminar, 2pm, Rm 66-110.

Molecular Sieve Catalysis\*\* - Dr. Jule Rabo, senior corporate research fellow, Union Carbide Corporation, Chemical Engineering Seminar, 3pm, Rm 66-110.

Changing Cross Cultural Perspectives: Students' Personal Experiences Abroad\* – Hugo Ayala '89, Mexico; Micolas Cauchy '88, France; Kwame Efah '87, Ghana, West Africa; Brenda Golianu '85, Toronto, Canada; Yu Hasegawa '88, Kyoto, Japan, International Students' Office/Women's Studies Program Seminar, 3:10pm, Rm 10-250.

\$DAS13Scanning Tunneling Microscopy in Gases and Liquids\*
- Prof P.K. Hansma, University of California-Santa Barbara,
Francis Bitter National Magnet Laboratory Seminar, 4pm, Rm NW14-2209. Refreshments served, 3:30pr

The Idea of Physical Reality and the Unreality of Colors\*
- Prof Barry Stroud, University of California-Berkeley,
Dept of Philosophy Seminar, 4pm, Rm 37-212.

Turbulence\* - Prof David C. Montgomery, Dartmouth lege, MIT Plasma Fusion Seminar, 4pm, Rm NW17-218.



"Butterfly," a painting by Matazo Kayama, is included in Nihonga: Contemporary Japanese Paintings in the Traditional Style exhibit in Compton Gallery. The exhibit continues through June 14. Gallery hours are 9am-5pm daily and 10am-4pm Saturdays.

Stress-Strain Behavior of Soils\* - Prof Atkinson, Geotechnical Engineering Research Centre, England, Constructed Facilities Division Seminar, 4-5pm, Rm 3-370. Refreshments served, 3:30pm.

Seismic Monitoring of Small Explosions: New Results and New Questions\*\* – Prof Paul Richards, Lamont-Doherty Geological Observatory, Columbia University, Dept of Earth, Atmospheric, and Planetary Sciences Colloquium, 4-5pm,

The Structure of Hurrican Rainbands\* - Gary Barnes, Ctr for Meteorology and Physical Oceanography Seminar, 4pm, Rm 54-425.

Bioturbation and Bed-Water Chemical\*\* - Shian-chee Wu, MIT, Ralph M. Parsons Laboratory Aquatic Sciences Seminar,

Parity Simulation of Single-Phase Flow Problems\*\* – Eduardo Depiante, student, Dept of Nuclear Engineering Seminar, 4-5pm, Rm 24-115.

Newly Discovered Classical Compositions: Problems and Detections\* - Prof Karl Geiringer, UCSB, Music Lecture, 4:30pm, Rm 2-190.

#### Thursday, April 24

Dynamic Disorder in Mesomorphic Phases of Flexible Chain Macromolecules\* – Dr. Martin Moller, Institute for Macromolecular Chemistry, Universitat Freiburg, FRG, Program in Polymer Science and Technology Polymer Seminar, 11-12noon, Rm 66-360. Refreshments served, 10:30am.

Penguins on Ice: Tales of the Antarctic (A Slide Show)\* – Dr. Irwin W. Sizer, Whitaker Health Sciences Fund, Whitaker Seminar, 12noon, Rm E25-117.

Technology and Democratic Theory\*\* – Dick Sclove, PhD candidate, Dept of Political Science, Science, Technology, and Society Student Committee Brown Bag Lunch Forum, 12noon, Rm E51-218. Bring you lunch or buy it in Rm E51-004 for \$3.

tet Pn Purchasing Supplies\*\* - Barbara Chuck, staff associate, Campus Activities Office, MIT Leadership Education and Development (LEAD) Program exploring the skills needed by effective leaders, 3pm, Student Ctr Center Lounge, or 6:30pm, Rm

Automation of Composites Manufacturing\*\* manager, Manufacturing Research Dept, Lockheed-California Company, Laboratory for Manufacturing and Productivity Seminar, 3-4pm, Rm 35-520. Refreshments follow

The Mobility Edge in Amorphous Semiconductors\*\* – Sir Nevil Mott, Cambridge University, Physics Colloquium, 4pm, Rm 10-250. Refreshments served, 3:30pm, Rm 10-250 lobby.

Transdermal Drug Delivery Systems: Concepts and Technology\*\* - Dr. K. Valia, Eli Lilly Corp, Applied Biological Sciences Seminar, 4pm, Rm E25-202.

evelopmpents in National Information Systems: A

– Kenneth Laudon, New York University; Sanford Sherizen, information security consultant, Natick, MA; Prof Gary T. Marx, MIT, MIT Communications Forum Seminar, 4-6pm, Wiesner Bldg Bartos Theatre.

#### Friday, April 25

Fundamental Concepts and Recent Developments in Polymer Stereochemistry\* - Prof Mario Farina, Dept of Chemistry, University of Milan, Italy, Program in Polymer Science and Technology Polymer Seminar, 11-12noon, Rm 68-360 References 66-360. Refreshments served, 10:30a

Air Force Net Assessment and the Battle of the Budget\* Col. Alan L. Grofman, USAF, deputy director, Planning Integration, Defense and Arms Control Studies Program Seminar, 11am-12:30pm, Rm E38-762.

Fractal Analysis and Synthesis in Meteorology, Hydrology, and Climatology\*\* – Benoit Mandelbrot, Ralph M. Parsons Laboratory/Ctr for Meteorology and Physical Oceanography Seminar, 4pm, Rm 54-100.

#### Monday, April 28

Automated Tactile Sensing for Object Recognition and Localization\*\* – John Schneiter, Mechanical Engineering doctoral candidate, Thesis Defense, 10am, Rm 3-343.

Equilibrium Phase Behavior and Morphologies of Block-Copolymer Blends\* – Dr. Jaan Noolandi, Xerox of Canada, Program in Polymer Science and Technology Polymer Seminar, 11-12noon, Rm 66-360. Refreshments served, 10:30am.

Sidekick\*\* - Information Systems Demonstration of Sidekick, which ushered in the idea of desktop utilities like updating a calendar, jotting down a note or calculating a result without leaving your current computer application, 12-1pm, Rm 13-1143.

Studies of Impurities in the JET Edge Plasma, and Recent Results on JET\* – Dr. Burk De Kock, MIT Plasma Fusion Center Seminar, 2pm, Rm NW17-218.

The Euler-Poincare Formula Revisited\*\* - Prof Anders Bjorner, MIT, Applied Mathematics Colloquium, 4pm, Rm 2-338. Refreshments served, 3:30pm, Rm 2-349.

The Decline of Seagrasses in the Chesapeake Bay: Models and Experiments\*\* - Dr. Michael Kemp, Horn Point Environmental Labs, University of Maryland, Dept of Civil Engineering Division of Water Resources and Environmental Engineering Seminar, 4pm, Rm 48-316.

The Poetics of City and Nature\* – Anne Whiston Spirn, associate professor, landscape architecture, Harvard Graduate School of Design; author of The Granite Garden: Urban Nature and Human Design, School of Architecture and Planning Lecture Series, "Models and Mirrors" on Design nunication, 6pm, Rm 9-150.

#### Tuesday, April 29

Networks Based Interpenetrating Interpenetrating Networks Based on Polydimethylsiloxane\* – Dr. Randall W. Richards, University of Strathcylyde, Scotland, Program in Polymer Science and Technology Polymer Seminar, 11-12noon, Rm E25-117. Refreshments served, 10:30am.

Laser Cooling and Trapping of Atoms\*\* AT&T Bell Laboratories, Laser Research Ctr/George R. Har-rison Spectroscopy Laboratory/Research Laboratory of Elec-tronics/School of Engineering Seminar on Modern Optics and Spectroscopy, 11-12noon, Rm 37-252. Refreshments served

Lotus Presentation\*\* - Linda Fisher, Lotus, Information Systems Demonstration of Lotus' integrated package, Symphony, 12-1pm, Student Ctr Mezzanine Lounga. Come early or stay late and try out Symphony and Lotus 1-2-3 on an IBM/AT or JAZZ on a Macintosh (11:30-12noon; 1-2pm).

nt and Society: Tradeoffs and Pitfalls\* - Prof Jerome Rothenberg, MIT Dept of Economics, Ctr f Technology, Policy and Industrial Development/Whitaker College of Health Sciences Program in Health Policy Seminar on Environmental Health and Industrial Development: Current Research and Educational Perspectives, 4-5pm, Rm E25-401.

Simulated Annealing: Theory and Application to the Placement of Integrated Circuits\*\* - Alberto Sangiovanni-Vincentelli, University of California-Berkeley, VLSI Seminar, 4pm, Rm 34-101. Refreshments served, 3:30pm.

Why Do Diets Fail?\* - Judith H. Wurtman, PhD, Clinical Seminar Series on Battling the Bulge: Science and Obesity, 4-5pm, Rm 66-144.

Aeroelastic Testing of Unducted Fans\*\* - Mr. E. Ducharme, graduate research assistant, MIT Dept of Aeronautics and Astronautics, Dept of Aeronautics and Astronautics Gas Turbine Laboratory Seminar, 4:15pm, Rm nts served, 4pm

The Iranian Revolution Seven Years After\* – Dr. Farhad Kazemi, professor of Middle East politics; chairman, Dept of Politics, New York University, Bustani Middle East inar, 4:30pm, Rm E38-615.

Experiments in Automatic Transcription of Music from Keyboard Data or From Sound\*\* - Bernard Mont-Reynaud, Ctr for Computer Research ind Music and Acoustics, Stanford University; The Droid Works, Inc, Ex-perimental Music Studio Music and Technology Forum, 4:30pm, Wiesner Bldg Bartos Theatre.

#### Wednesday, April 30

Neural Network Models and Optical Computing\*\* - R. Athale, BDM, EECS/RLE Seminar on Optics and Quantum

Preventive Maintenance of Buildings and Building Systems: the State Approach\*\* – Peter Veale, M.Arch stu-dent, MIT Joint Program for Energy Efficient Buildings & Systems/Laboratory of Architecture & Planning Seminar on Building Performance, 12-1pm, Rm 1-134. Bag lunches welcome.

MacTerminal and AppleLink\*\* - Sherry Howlett, Apple Computer, Inc, Information Systems Demonstration, 12-1pm, Rm 13-1143.

Applications of Supernodal Methods to Closed-Loop Reactor Control\*\* - Alex Parlos, Dept of Nuclear Engineering Seminar, 3-4pm, Rm 24-213.

Dynamical-Chemical Models for the Origin of Hawaiian Islands\*\* - Prof Neil Ribe, Dept of Geology and Geophysics, Yale University, Dept of Earth, Atmospheric, and Planetary Sciences Colloquium, 4-5pm, Rm 54-918.

Air-Entry in Marshes\*\* - Diane Chen, MIT, Ralph M. Par-

Lecture/Recital on the Kayagum (Korean Stringed Instrument)\* – Prof Byungki Hwang, Ewha Woman's University, Seoul, Korea; visiting scholar, Harvard, Music Lecture, 4:30pm, Rm 2-190.

#### Thursday, May 1

Ideal MHD Stability of Elongated Plasmas\* - Dr. Alan Turnbull, CRPP, Lausanne, Switzerland, MIT Plasma Fusion Center Seminar, 10am, Rm NW16-213.

Introduction to TELL-A-GRAF\*\* - Information Systems Seminar on this mainframe package for non-programmers that lets you create colorful detailed graphs with a few commands, 12-1pm, Rm 1-390.

New Developments in Polyanhydride Controlled Release of Macromolecules\* - Dr. C. Laurencin, Dept of Applied Biological Sciences Seminar, 2pm, Rm E25-202

Scheduling of Unreliable Flexible Manufacturing Systems\*\* – Dr. Stanley B. Gershwin, assistant director, LIDS, Laboratory for Manufacturing and Productivity Seminar, 3-4pm, Rm 35-520. Refreshments follow

Uranus: The Voyager Encounter\*\* - Prof Ralph McNutt, MIT, Physics Colloquium, 4pm, Rm 10-250. Refreshments served, 3:30pm, Rm 10-250 lobby.

Industry Structures and Standardization\* - Marvin Sirk Carnegie-Mellon University; Joseph Farrell, GTE Laboratories, MIT Communications Forum Seminar, 4-6pm, Wiesner Bldg Bartos Theatre.

#### Friday, May 2

Transient Response of Plasma Arc and Weld Pool Geometry for Gtaw Process\*\* - Hamid Reza Saedi, PhD candidate, Dept of Mechanical Engineering PhD Presentation, 9am, Rm 3-133.

Demonstration of Superkey\*\* – Information Systems Demonstration of this PC product that lets you create keyboard macros and assign them to a single function key, 12-1pm, Rm

High Pressure Phase Equilibria: Experimental and Monte Carlo Simulation Studies\*\* - Athanassios Panagioto-poulos, Chemical Engineering Seminar, 2pm, Rm 66-110.

Some Chemical Aspects of Rich Hydrocarbon Combustion\*\* – Prof H. Gg. Wagner, Inst fur Physika-lische Chemie, University of Goettingen, Dept of Chemical Engineering Hoyt C. Hottel Lecture, 3pm, Rm 66-110.

Brouwer's Thesis: Its Roots and Aftermath\* - Prof Dirk van Dalen, State University of Utrecht, Dept of Philo Seminar, 4pm, Rm 37-212.

#### Readings

Writer's Series\* — Isaac Bashevis Singer, Nobel Prize winning author, MIT Writing Program reading, Mon, April 28, 8pm, Kresge Auditorium. Free.

#### Community Meetings

Alcoholics Anonymous (AA)\*\* - Meetings every Tues 12-1pm, Rm E23-364. For info call Ann, x3-4911

Al-Anon\*\* - Meetings every Fri, noon-1pm, Health Education Conference Rm E23-297. The only requirement for membership at there be olem of alcoholism in a relative or friend Call Ann, x3-4911.

Alcohol Support Group\*\* - Meetings every Wednesday, 7:30-9am, sponsored by MIT Social Work Service. For info call Ann, x3-4911.

Narcotics Anonymous\* - Meetings at MIT, every Mon, 1-2pm, Rm E23-364 (MIT Medical Dept). Call 569-0021.

Overeaters Anonymous\* - Meetings every Mon, 12-1pm, Rm E23-297. This is not a lunch time meeting, so please do not bring any food. For info call Judy, x3-2481.

MIT Faculty Club\*\* - The Club is open Mon-Fri. Luncheon hours: noon-2pm; dinner hours: 5:30-8pm. For dinner and private party reservations, call x3-4896 9am-5pm daily. April 16: Quiche Night, 5-7pm, Lounge. April 17: New England Clambake, Main DR. April 18: Fri Lunch Buffet, 11:45-2pm; Raw Bar. April 21: Patriot's Day, Club closed. April 22: Steak Night, Main DR, \$9.95+ tax. April 23: Secretary Day, Special luncheon penu, 11:30-2:30, \$9.95+ tax incloser stem real red rese. cheon menu, 11:30-2:30, \$9.95 + tax inc long stem real red rose April 25: Hawaian Luau in main DR, buffet & show, \$14.95 + tax, reservations required; raw bar. April 29: Steak Night, Main DR, \$9.95+ tax. April 30: Chili dog Night, Lounge, 5-7pm.

Commodore Users Group\*\* - meets monthly at noon time. For more info, call Gil, x8-3186 Draper.

Mineral Collection: Past and Present in the Northeast -Finding Diamonds in New England\* – James C. Cahoon, Geochron Laboratories Inc, Cambridge, American Associa-tion of Retired Persons, MIT Cambridge Chapter Meeting, Tues, April 22, 5:15pm, Student Ctr Mezzanine Lounge. Coffee served,

Who is in Charge: You or Your Child? Setting Limits\*\* – Dr. Margaret Ross, MIT Medical Dept, Child Care Office Seminar, April 18, 12-1pm, Rm 4-144. Bring lunch; beverages

Technology Moving to Cambridge\*\* - Helen Samuels and Kathy Marquis, Institute archivists, Women's Forum Luncheon Slide Show, April 16, 12-2pm. Cost: \$3.50. Call Anna Verhulst, x3-3656

Tour of Women's Studies\*\* - Women's Forum tour conducted by director Ruth Perry and coordinator Cindy Brown, April 28, 12noon, Rm 14E-316.

Wives' Group\*\* - Morning Group: April 16, No trip planned. April 23, Wellesley College Museum; info - Hyeyon Kim, 227-1526 or Chieri Kotake, 643-8497. Meet at 9:15am, Eastgate: Children welcome. Afternoon Group: April 16, Leading American Schools More Effectively: The Role of the Principal – Jeff Nelson, elem school principal; visiting practitioner, Harvard Grad School of Education. April 23, Talk on Sweden – Ann-Kristin Eva Ljung, Wives' Group member. Babysitting provided in Student Ctr Rm 407. All meetings 3-5pm, Student Ctr Rm 491.

Craft Group. - sponsored by Wives' Group, meets every Thurs, 2-4pm, Student Ctr Center Lounge or Student Ctr Rm 407. Please call x3-1614 to check on location of meetings.

The Language Conversation Exchange\*\* - sponsored by the Wives Group, seeks persons interested in practicing languages with a partner. Many international students and spouses wish to practice English with a native speaker. If you are willing to help an international visitor practice English and/or interested in practicing or learning a foreign language with a native speaker, call the secretary to the Wives' Group, x3-1614.

Feminist Reading Group\*\* - Meets every Wed, 12-1pm, Rm E51-310. Info: Sharon, x3-3622.

MIT Women's League Informal Needlework Group Wednesday lunchtime gatherings, 9:30am-1:30pm, Rm 10-340. Bring sack lunch, projects, swap ideas. Coffee & tea served. Meeting dates: April 23, May 14, 28. For more info, call Lillian Alberty (491-3689), Nancy Whitman (x3-6040) or Beth Harling

#### MIT Activities Committee

MITAC, the MIT Activities Committee offers discount movie tickets for General Cinema, Showcase and Sack (USA Cinemas) Theaters (\$3 ea). Tickets are good 7 days a week, any

performance.

Tickets may be purchased at MITAC Office, Rm 20A-023 (x3-7990), 10am-3pm. Mon through Fri and Lobbies 10 and E18 on Fri, 12-1pm. Lincoln Lab employees may purchase tickets in Rm A-270 from 1-2pm, Tuesday through Friday only. Check out our table of discounts for camping, dining, musical and cultural events available to you through MITAC and MARES (Mass Assoc of Recreation and Employee Services).

Juilliard String Quartet. Fri, April 25, 8pm, Jordan Hall. The "first family of chamber music" perform their fifth concert devoted to the quartets of Beethoven: D Major, Op. 18, No. 3; F Minor, Op. 95, Serioso; and B Flat Major, Op. 130. Tickets: \$15 (reg \$16.50) available in Rm 20A-023.

Deerfield Day Trip. Sat, May 3. Take a step back in time and explore the colonial heritage of historic Deerfield. Day includes visits to 3 sites: 1) Fabric Hall — a tour of the Textile Collection (needlework, textiles from Europe and Colonial America); 2) the Allen House; and 3) the Wright House Brown bag a lunch on your own — we'll provide the desserts and beverages. Bus leaves West Garage at 8am sharp; returs approx 5:30pm. Cost: \$20/pp. Make reservations in Rm 20A-023.

A Day at Mystic Seaport. Sat, May 17. Spend a day exploring this waterfront maritime village in Mystic, Conn. Step on board the decks of the wooden whaleship Charles W. Morgan, the square-rigged ship, Joseph Conrad, and the fishing schooner L.A. Dunton and rediscover the nautical craftsmanship of the 19th century. Bus leaves West Garage, 8am, Sat, May 17; returns approx 7pm. Tickets: \$17/adult; \$13/child (inc admission to Mystic Museum) available in Rm 20A-023.

Council for the Arts Museum Passes. On campus, there are 10 passes employees may borrow for free admission to the Museum of Fine Arts. To check on availability, call x3-5651. At Lincoln Lab, passes are available in the Lincoln Lab Library,

Museum of Science Tickets. Available for only \$1. Pay another \$1 at the door, for a total savings of \$3/pp/adult; \$1/pp/child (reg \$5/pp/adult; \$3/pp/child).

New! The Greater Boston '86 Books are here! 2-volume, 820-page discount coupon book offer discounts on fine and casual dining, theatre, comedy shows, opera, ballet, museums, hotels, car washes, cleaners, and more...for the greater Boston area and beyond (inc areas in the Metro West, South Shore, North Shore & north of Boston). A limited supply now available for only \$20 ea (reg \$30 ea).

Important! To avoid disappointment, purchase tickets and make reservations early as we are limited by ticket availability and transportation. All MITAC events and ticket purchases are non refundable due to the non-profit nature of our organization.

#### Social Activities

Japanese Table\*\* – MIT-Japan Science and Technology Program/Wellesley-MIT Exchange Program lunch table, every Tues, 1-2pm, Student Ctr Center Lounge. Bring bag lunch; all levels

Hebrew Table\*\* - MIT Hillel Hebrew Table to practice your Hebrew, every Tuesday at 5:30pm in the Kosher Kitchen (Walker Rm 50-007). Dinner available for \$5.75.

GAMIT Sunday Discussion Meeting\* - Gays at MIT, Suns, 5pm, GAMIT Lounge, Walker Memorial Rm 50-306. Dinner served at 6:30pm.

GAMIT Study Break\* - Gays at MIT, Thurs, 9pm, GAMIT Lounge, Walker Memorial Rm 50-306.

Lesbian Lunch Group\* - LAMIT, (part of GAMIT) meets first and third Thursday of each month, 1pm, Student Ctr Center Lounge. Spring meetings: April 17, May 1 & 15. Staff, faculty & students welcome. Info: contact Lesbian Lunch Group, c/o Rm 50-306 or call x3-5440.

#### Movies

The Hidden Fortress\*\* - LSC Classic Movie, April 18, 7pm, Rm 10-250. \$1/MIT-Wellesley ID.

Excalibur\*\* - LSC Movie, April 18, 6:30&10pm, Rm 26-100. \$1/MIT-Wellesley ID.

Real Genius\*\* - LSC Movie, April 19, 7&9:30pm, Rm 26-100. \$1/MIT-Wellesley ID.

The Bridge Over the River Kwai\*\* - LSC Movie, April 20, 6:30&10pm, Rm 26-100. \$1/MITWellesley ID.

Student Bodies\*\* - LSC Drop Date Movie, April 24, 8pm, Rm 54-100. Free w/Drop Card (provided at door). The Secret Life of Walter Mitty\*\* - LSC Classic Movie, April

25, 7:30pm, Rm 26-100. \$1/MIT-Wellesley ID The Man With the Golden Gun\*\* - LSC Movie, April 25, 7&10pm, Kresge Auditorium. \$1/MIT-Wellesley ID

Monty Python's Life of Brian\*\* - LSC Movie, April 26, 7&9:30pm, Rm 26-100. \$1/MIT-Wellesley ID.

The Maltese Falcon\*\* - LSC Movie, April 27, 6:30&9pm, Rm

Holiday\*\* - LSC Classic Movie, May 2, 7:30pm, Rm 10-250. \$1/MIT-Wellesley ID.

An American Werewolf in London\*\* - LSC Movie, May 2, 7&9:30pm, Rm 26-100. \$1/MITWellesley ID.

Flashdance\*\* - LSC Movie, May 3, 7&9:30pm, Rm 26-100. \$1/MITWellesley ID.

Citizen Kane\*\* - LSC Movie, May 4, 6:30&9:30pm, Rm 26-100. \$1/MIT-Wellesley ID.

#### Music

Noon Hour Chapel Series\* - Concertino Boston, Thurs, April 17, 12:05pm, MIT Chapel. Free.

Abramowitz Memorial Concert\* - MIT Chamber Players, Marcus Thompson, music director, present the premiere of "Music for Eighteen Winds," by John Harbison, Fri, April 18, 8pm, Kresge Auditorium. Free

MIT Faculty Series\* - An evening of Schubert Opera with or-chestra and chorus including *Die Zwillingsbruder*, Sat, April 19, 8pm, Kresge Auditorium. Free.

Quasquicentennial Concert: Intermission Trio Plus Under the leadership of Prof Samuel J. Keyser, Wed, April 23, 12-1:30pm, Lobby 7

Noon Hour Chapel Series\* - Elaine Thornburgh of Califor nia, harpsichord, Thurs, April 24, 12:05pm, MIT Chapel. Free Recital of French Songs\* - MIT students in Vocal Repertoire

and Performance class perform Faure, Berlioz, Debuss Dubarc, Thurs, April 24, 3pm, Kresge Auditorium. Free.

A Celebration of Gospel Music\* – MIT Gospel Choir, Jerryl Payne, director, with guest choirs from Brown and Yale Universities, Sat, April 26, 7:30pm, Kresge Auditorium. Admission: \$1/students & seniors; \$2/general.

MIT Chamber Music Society\* - Perform Brahms, Ravel and sohn, Sun, April 27, 3pm, Kresge Auditorium. Free

Noon Hour Chapel Series\* – Louise Treitman, gamba; Son-ja Lindblad, recorder; Gisela Krause, harpsichord perform music of Bach, Handel and Telemann, Thurs, May 1, 12:05pm, MIT

MIT Concert and Festival Jazz Bands\* - Everett Longstreth, director, with guest bands, Fri, May 2, 8pm, Kresge Auditorium. Admission \$1.

MIT Concert Band\* - John Corley, director, Sat, May 3, 8pm, Kresge Auditorium. Boston premiere of West Point Symphony by Roy Harris; also music by Jeffrey Bishop, Peter Mennin, Aaron Copland, Carlos Surinach and John Barnes Chance, Free

Concert\* - American Society of Civil Engineers-sponsored concert featuring violist Heather Porter and pianist Ronnie Schwartz with guest members of the New Haven Symphony, perform Bach, Hindemith and Dvorak, Sun, May 4, 8pm, Kresge Auditorium. Free.

MIT Gospel Choir\*\* - Meets every Sat, 11am. Welcomes no members, visitors — if you feel shy about singing, we need help with lighting, audio, design & arrangements for the spring concert scheduled April 26. Rehearsals: April 19 — Student Ctr Center Lounge; April 26 — Student Ctr Rm 491; May 3 — Student Ctr Rm 491. Info: x5-8645 dorm, x5-7531 dorm, or x5-6312

Chinese Intercollegiate Choral Society\* - Meets Suns, 3-5pm, Rm W20-491. Currently rehearsing Chinese folk songs. Free voice lessons and music theory class, 1pm.

#### Theater

Comedy Night \*\* - Student Center Committee event, Thurs, April 17, 9:30pm-12:30am, Lobdell Strat's Rat Pub. MIT/Wellesley ID required. Munchies & beer

A Chorus Line\*\* - Baker House Production, April 24, 8:30pm; April 25, 8pm & 10pm; April 26, 7:30pm; April 27, 8:30pm, Baker House Dining Hall, 362 Memorial Dr.

Viscera\* - A Multi-Media Performance using films, lights, slide illusions, recorded sound and live music, CAVS/Council for the Arts presentation, conceived by Ebon Fisher (S.M.Vis.S. candidate) and Julio Friedmann, music major, April 24-25, 8pm, CAVS Bldg W11 (corner of Amherst and Mass Ave). The work amplifies special features of the Earth's geological and biological history, allowing the audience to meditate on the beauty of our origins and existence. Free.

We Won't Pay! We Won't Pay!\* - MIT Dramashop production by Dario Fo, directed by Robert N. Scanlan, May 1-4, 8pm; May 4, 2pm, Kresge Auditorium. Admission: \$4/MIT students & seniors; \$5/general. Workshop — Dario Fo, Mon, May 5, 2-4pm, Kresge Little Theatre. Tickets available in Lobby 10. Reservations, x3-4720. Info: x3-2877.

#### Dance

MIT Ballroom Dance Club Workshops\* — April 20: Beginning Samba, 12:30-1pm; Intermediate Cha Cha, 1:30-2:30pm; Advanced Tango, 4-5pm. April 27: Beginning Waltz, 12:30-1pm; Intermediate Samba, 1:30-2:30pm; Advanced Cha Cha, 4-5pm. May 4: Beginning Swing, 12:30-1pm; Intermediate Waltz, 1:30-2:30pm; Advanced Samba, 4-5pm, Burton Dining Hall. All classes at Student Ctr Sala de Puerto Rico unless otherwise in dicated. Admission: Beginning — \$.25/members, \$.50/non-members; Intermediate — \$.50/members, \$1/non-members; Advanced — \$2/members, \$3/non-members. Info: x5-9171 dorm.

Western Square Dancing\* - Tech Squares Club Level dancing and rounds, Tues, 8-11pm, Student Ctr 2nd Floor. Dennis Marsh, club caller & instructor; Veronica McClure, club cuer. Recorded info: x5-9126 dorm.

MIT Dance Workshop Classes\*\* – Beginning Modern Dance Technique, M/W, 3-5pm, DuPont TClub Lounge; In-termediate Modern Dance, T/Th, 5:30-7pm, Walker 201; Improvisation, Th, 1-3pm, Walker 201.

MIT Contemporary Dance Club\* - Cynthia Mallick, instrucor, Aerobix, M/W, 6:30-7:30pm; Jazz I/II, M, 7:30-8:30pm; Stretch, W, 7:30-8:30pm; Rep. M/W, 9-10pm. Classes at: M, 6:30-8:30pm, McCormick Gym; W, 6:30-8:30pm, W31; M/W, 9-10pm. Tclub Lounge. Fee: \$3/single class, \$4/non-MIT. Info:

Children's Dance Classes\*\* - Pamela Day, instructor. Creative Movement/Modern Dance classes for children ages 3-8, Fri: Ages 3-4, 2:30-3:15pm; Ages 5-8, 3:30-4:30pm, West Campus location. Great for boys & girls; excellent opportunity for non-English speaking children. For info & registration, call Pamela, x3-5791, T/Th mornings or 648-4834 eves/wkends.

MIT Folk Dance Club\* - weekly dancing Sundays, International Dancing, 7:30pm, Student Center Sala de Puerto Rico; Tuesdays, Balkan and Western European Dancing, 7:30pm, Rm 407 Student Center; Wednesday, Israeli Dancing, 7:30pm Sala de Puerto Rico.

Rhythmic Gymnastics Classes for Women's – MIT Women's League classes, Fri, 12-1pm, Rm 10-340. Info: Helena, 596-2396.

Yoga\* - ongoing classes in traditional Hatha and Iyengar style. Beginners: Mon, 7:20pm; Intermediates: Mon, 5:45pm. For information call Ei Turchinetz, 862-2613.

#### Exhibits

COMMITTEE ON THE VISUAL ARTS Albert and Vera List Visual Arts Center Jerome & Lava Wiesner Building

The Reference Gallery – Mabou Mines Artist in Residence, Experimental Theatre, Holography, and *Imagination Dead Imagine*, 12-minute theatrical work featuring large-scale hologram suspended over a bier-like sculpture, with narration of Samuel Beckett's novel of the same name, with Linda Hartinian and Ruth Maleczech, April 22, 7pm. Staging Beckett's

Prose - Linda Hartinian and Ruth Maleczech with Robert N. Scanlan, MIT Drama Program, April 24, 3:30pm. Imagination Dead Imagine – Fri, April 25, 2,3,4pm; Sat, April 26, 2,3,4,7,8pm; Sun, April 27, 2,3,4pm. Informal Reception – Discussion with the artists, Mon, April 28, 4-6pm. Through May

#### THE MIT MUSEUM

MIT Museum Bldg - Calvin Campbell: A Photographic Perspective of MIT, Retrospective show commemorating the retirement of MIT's News Office photographer for the past 12 years, through July 31. Sculpture by Beverly Benson Seamans, through July 26. Ansel Adams: Photographs Ap-proximately 60 prints from the collection of Ron Kurtz, MIT Council for the Arts, show Adams' control of technique and tech nology to support a wholly personal and internal vision, through July 31. Three Photographers, photos by Linda Cuccurullo and Gordon Thomas (MIT Libraries staff), and Carolina Salguero (formerly of MIT Dept of Architecture), through April 19. Hans Hinterreiter: Color Music, the form and color progression of his paintings of rotating shapes, mirror images and rhythmic repetitions are based on mathematics tempered with aesthetic requirements of balance and enclosure, April 23 through August 8. Opening reception, April 22, 5pm. Ongoing exhibits: Gjon Mili 27: A Tribute, Born in Rumania, world famous photographer Gjon Mili studied electrical engineering at MIT and pioneered in the use of electronic flash and multiple exposure photographs. In 1938 he began doing stories for Life magazine. Light Sculptures by Bill Parker '74, A synthesis of scientific knowledge and artistic composition gives expres these changeable, touchable plasma sculptures. Hours: Weekdays 9am-5pm, Saturdays 10am-4pm.

Compton Gallery - Nihonga: Contemporary Japanese Paintings in the Traditional Style, Representative works by 48 contemporary Japanese artists, through June 14. Hours: Weekdays 9am-5pm, Saturdays 10am-4pm

Hart Nautical Gallery

Ongoing exhibits: Currier & Ives Prints From the Hart Nautical Collections - Colored lithographs of sailboats, steamboats, clipper ships and whalers. George Owen '94: Yacht Designer - Line drawings and half-models designed by one of the early professors of naval architecture at MIT. MIT Seagrant A review of MIT ocean research; Collection of Ship Models
 Half-models and drawings. Historical view of the design and construction of ships.

dgerton's Strobe Alley - Exhibits of high speed photography. Main corridor, 4th floor

Corridor Exhibits: Building 1 & 5, 2nd floor: John Ripley Freeman Lobby, Building 4: Norbert Wiener, Karl Taylor Compton. Community Service Fund, Ellen Swallow Richards. Women at MIT. An overview of the admission of women at MIT. Five photographic panels with text documenting the circumstances that increased the number of women in the classroom since Ellen Swallow Richards. Building 6: Laboratory for Physical Chemistry. Building 8:

#### OTHER EXHIBITS

Institute Archives and Special Collections - Planning the New Technology. Part Two: Constant Desire Despradelle. Part two of a three-part series about the relocation of MIT from Copley Square to Cambridge portrays the impressive design of architect and teacher Despradelle. Though he died before the project began, several of his ideas were incorporated into the ultimate plan by his successor, William Welles Bosworth. Hall exhibit case across from 14N-118.

Monhegan Still Lifes – through May. Architecture & Planning Computer Resource Laboratory sequential exhibit of photographs by S. Leland Smith, teacher of filmmaking and photographic darkroom skills at the MIT Student Art Association. Hours: M-F, 9am-5pm, Rm 9-514.

Profile: A Detour Through MIT - Selected artworks by Jen nifer J. Lin in honor of Women's Week, Wiesner Student Art Gallery, Student Ctr 2nd Floor, through April 20. Funded in part by the Council for the Arts at MIT.

Street Photography - A gallery exhibit of recent photographic work by members of the Student Art Association class in street photography, Wiesner Student Art Gallery, Student Ctr 2nd Floor, April 20 through May 12. Gallery reception Wed, April

Jerome B. Wiesner Student Art Gallery - for 1986 scheduling, any MIT student or student group interested in showing or performing art in the Gallery, call Andy Eisenmann, x3-7019 in Rm W20-429, M-F, 9-5.

## Sports

HOME EVENTS: April 16: Baseball vs Suffolk, 3pm; Lacrosse vs Curry, 3pm; W's Softball vs WPI, 4pm; M's Tennis vs Clark, 3pm. April 17: M's Tennis vs Boston College. April 18: Baseball vs Boston University, 3pm. April 19: M's Ltwpht Crew vs Columbia, Cornell (Geiger Cup); Golf vs Bates, 1:15pm; Lacrosse vs Springfield, 2pm; M's Tennis vs Brandeis, 2pm. April 19-20: W's Sailing, Emily Wick Trophy, 12noon. April 20: M's Volleyball NECVL Championships, 8am-10pm. April 21; Baseball vs Eastern Nazarene, 3pm. April 22: W's Softball vs Southeastern Mass, 3pm; W's Tennis vs Wheaton, 3:30pm. April 23: Baseball vs Curry, 3pm. April 25-27: W's Tennis, Middle States Championships. April 26: Baseball vs WPI (2 games), 1pm; W's Crew vs Boston University, Northeastern (Smith Cup). April 29: Lacrosse vs Tufts, 3pm; W's Softball vs Anna Maria, 3:30pm; M's Tennis vs Bates, 3pm. April 30: Baseball vs Harvard (2 games)

#### Wellesley Events

Jewett Arts Center\* - Recent Acquisitions and Alumnae Gifts, through June 8. Major Drawings From an Alumna Collection, recent acquisitions from the collection of Dorothy Braude Edinburg '42, through June 8. Francesca Woodman: Photographic Work, through June 8. Contemporary Prints from the Permanent Collection, contin

Cognitive Science and the Computer Metaphor\* - John Searle, University of California-Berkeley, Henry R. Luce Lecture, April 16, 7:30pm, Science Ctr Rm 377.

Early Education Goes to School: Public School Involvement in Programs for Young Children\* - Fern Marx, pro-ject research director, Ctr for Research on Women Luncheon Seminar, April 17, 12:30-1:30pm, Cheever House. Bring a bag

Juggling it All\* - Amy Domini, author, Workshop, April 17, 7:30pm, Davis Lounge.

Le Cheval de Troie de la Description\* – Claude Simon, author, winner 1985 Nobel Prize for Literature, Lecture in French, April 17, 8pm, Pendleton East Rm 112. Followed by reception and exhibit of M. Simon's manuscripts, photos & collages, Maison Francaise, 33 Dover Rd, Wellesley

The Rhetoric of Economics\* - Conference, Five Sessions, April 17-19, Th, 3-5pm; F, 8:30am-5pm; Sat, 9am-4pm, Alumnae Hall.

Lecture\* - Prof Letty Russell '51, Yale Divinity School, April 23, 4:15pm, Library Lecture Rm.

\*Open to the public

\*Open to the MIT community only

\*\*\*Open to members only

Send notices for Wednesday, April 30 through Sunday, May 11, to Calendar Editor Rm 5-111, before noon, Friday, April 25

Tech Talk, April 16, 1986, Page 5

# **CLASSIFIED**

Tech Talk ads are intended for personal and private transactions between bers of the MIT community and are not available for commercial use. The Tech Talk staff reserves the right to edit ads and to reject those it deems inappro-priate. MIT-owned equipment may be disposed of through the Property Office, x3-2776

INSTRUCTIONS: Ads are limited to one (of approximately 30 words) per per-son per issue and may not be repeated in successive issues. All must be accompanied by full name and extension. Persons who have no extensions or who wish to list only their home telephones, must come in person to Rm 5-111 to present In-stitute identification. Ads using exten-sions may be sent via Institute mail. Ads are not accepted over the telephone.

Deadline is noon Friday before

#### For Sale

Q-sz wtrbed w/mirrord headbrd, mttrss, htr, linr & padded side rails, \$190. Vickie, x4808 Linc or 776-6567.

HP41CV \$120: Bell mdl bike helmt, \$35: bge wall-mnt rotary phone, \$25; Solitaire track-type lights, 2 blck, 2 wh, \$12 ea. Alex, x5-6452 dorm anytime

French infnt baskt bed/carrier, w/bedding & hood, \$45. Call x3-4830 or 720-2177

10-spd bike, mixi frm, jst had spring tune-up, \$110. Call x3-5049.

Alto sax, The H.N. White Co Cleveland, gd for begnnr nds valve job, \$350 or bst; old radio console, wrks, bst offr. Barbara, x3-6925 or ly mssg at 876-9310.

Brwn plaid couch, 83" long, reg sz, gd cond, \$175; rock mapl cradl, 38\%"Lx 20\%"Wx27\%"H, exc cond, \$40. Kim, x3-1740 or 242-0804 eves.

Local hlth spa lifetime membrshp, \$330. Michael, x3-5668 9-5pm.

Sleep sofa bed, love seat (sgl bed), brwn/bge floral print, like nw, bst offr. Call 266-0439 eves.

RCA 19" colr tv, sound, no pix, \$25. Tom, x3-8181 aftrnoons or 666-3759 aftr 7pm.

26' Grampian sailing sloop, elec strt 9.9HP mtr, 3 sails, furling, dinette, galley, encl head, cradl, 6' hdrm, stiff, comfy fmly cruisr, sac \$11,900. Margie, x4501 Linc or 861-0027 eves.

Sailfish, exc cond, \$385. Call 749-0892.

IBM PC Jr, w/128K RAM & 1 floppy dsk rns DOS 2.1, nw still in box, \$230. Call x3-5564 or 491-8392.

Walker C-J 55 trntbl, \$150; Grado Signature 8MR cartrdg, \$75; monstr cabl "supertail," \$35; SOTA mat, \$25; Audioquest isolation feet, \$10; LR set, \$50; othr stereo access & misc itms. Dan 625-7015 or 776-4951 eves.

Stereo spkrs, AR18s, 8" woofrs, cbnts 9\u00e4"x16\u00e4"x6\u00e4", \u00e4100/pr or bst. Sharon, x3-6457

GE 48" diag tv in oak cbnt, mny features inc remote cntrl, mst sell, like nw, use only 4 mo, \$2,000 firm. Marie, x3-1777.

Columbia tandem 5-spd bike, used 1X, all access, \$200. Call x3-5557.

30' sailboat, 210 class, 2 complete sets of sails, trailr, \$1,200. Marion, 268-5641.

Br nw bge 7-pce sectnl, stll has tags on it, askg \$1,600; dk bg sofa/couch, Q-sz, per cond, was \$700, askg \$300; Yolanda wedding gwn, sweethrt-nckline, mtching veil, sz 9, perf cond, nckline, mtching veil, sz 9 \$250. Debbie, 528-2413 eves.

Everlast hvy bag, 70-lb canvas, \$35. Eric, x3-7835 or 876-8486.

6-pce LR set, sofa, 2 chrs, cffee tbl, 2 end tbls, \$350. Maria, x3-1509.

Dorm-sz fridge, 2 c.f., mst sell by 4/18, 2 yrs old, \$80; IBM Sel typwrtr, bst offr. Jean, x3-4927.

Antq mahog DR set w/1 leaf, 6 chrs & 6' mtchng sidebrd, \$850. Ellen, x2641 Linc or 433-2887 aftr 6pm.

Scand Desgn 6' sofa, off-wh, exc cond, \$275; 2 L's Schwinn 3-spd bikes, like nw, \$75; M's, \$25; Atari w/mny games, \$55; Kodak inst cmra w/flsh & ca se, \$20; Bell ell movie cmra w/flsh, \$20; AM/FM radio, \$7; ceilng fixtrs, \$5-15; SMC mnl typwrtr w/case, \$10. Call x3-3175.

Kenmore apt-sz cnyrtbl dshwshr detrgnt rinse dipsnsrs, \$75. Ray/Kevin, 491-2954 aftr 6pm.

Twn bed inc firm mttrss, spr, frm, brass-plate hdbrd, 1½ yrs old, exc cond, \$100 nego. Susan Jarvis, x3-0828 or 494-0381.

#### Vehicles

'50 Dodge sdn, classic gem, btfl bl bdy, rer's dream, 6 cyl, Meadowbrook

70 Plymouth Duster, 95K, 6 cyl eng, auto, ps, pb, v gd rnning cond, crrnt insp stckr, grgd inside, \$475. Evangelos, grgd inside, \$475. x3-4029/7313 or 494-1349.

brks, strtr, muff, batt, rfrck, radio, \$875. Call 495-4740.

75 Plymouth Fury, V8, auto, 4-dr, a/c, full pwr, reg gas, str reg, askg \$900. Call 354-3649 aftr 6pm. 75 VW Bug, exc cond, only 63K, snw trs, & bike rack inc, \$1,500. Michael, x2764 Linc or 277-8986 eves.

'75 Chevy Malibu wgn, nw rad snws, p pb, air, 8 cyl, mny nw prts, gd rnning cond, \$700 or bst. Don, x3-2541 or

'76 Mercury Bobcat htchbck, auto,

AM/FM, nw rads, exh sys, wtr pump & hoses, only 61K, mst sell, \$875 or bst.

'76 VW Rabbit, 4-dr, 4-spd, sunrf, passive restrnts, AM/FM, 76K, v cln, \$950. Dick,

'77 Dodge Aspen wgn, mst sell, nw rad trs, frnt-end, strtr, batt, exh, frnt dsk brks, 108K, slant 6, v dpndbl, some rst, loves Boston, bst offr above \$800. Sandy, x3-5009 or 492-6983.

'77 Honda Civic, mnl, 10K on rblt eng, 100w stereo & eqlzr & 6.9 spkrs, fur seat cvr, repaird dnt on lft side, rpr rcrd, avlbl 6/1, \$790. Call 577-8180.

'78 Pontiac Bonneville, bl w/blck velour int, AM/FM, nw brks, exh sys, trs, no rst, cond, \$2,000 or bst. Rob, x3-8650

'78 AMC Concord, 65K, air, auto, 6 cyl, AM/FM, \$1,000 firm. Dick, x4584 Linc 649-9274 eves/wkends.

79 Ford Futura, 6 cyl, pb, ps, auto, a/c, 2-dr h.t, 60K, \$2,500. Call x3185 Linc.

'79 Mercury Cougar auto, a/c, ps, pb, AM/FM/cass stereo, 44K, exc cond, \$3,600 or bst. Rose, x3-4623 or 547-4647 eves

'79 Dodge pwr wgn 150, 4-wd, 4-spd, 360 eng, only 50K, bdy, trs & eng all gd, well cared for, nvr plowd, askg \$4,500. Steve, x8-2876 Draper or 646-5052 eves.

'80 AMC Spirit dlx, 2-dr, 4-spd, ps, pb, 80K, AM/FM stereo, exc mech cond, \$995. Karem, 876-8148.

'80 Ford Thunderbird, 8 cyl, pb, ps, auto, rear dfrst, AM/FM/tape, sunrf, 80K, \$3,300. Call x3176 Line.

'80 Mazda 626, 56K, auto, AM/FM stereo, nw batt, dealr maint, rstprfd, exc cond, \$3,300. Call 497-1479 aftr 5pm.

'81 Ford Thunderbird, auto, a/c, AM/FM, exc cond, \$4,500 or bst. Ham, x7336 Linc or 263-2368

'81 Chevy Citation, 4-dr, a/c, auto, ps AM/FM stereo, 66K, rns perf, \$2,700. Call 577-1046.

'81 Honda Civic, bl, 100 w stereo w/Dlby, 185/70R13 Bridgestone trs, 60K, \$3,900. Mike, x3-8502 or 494-9106.

'81 Mercury Zephyr Z-7, exc cond, AM/FM stereo, sunrf, cruise cntrl, alrm, lo mi (40K), 4 nw trs, mst see. Call x3-7914 or 782-1012 aftr 5pm.

'81 Chrysler/Plymouth Reliant, eng, bdy & int in exc cond, nw muff & brks, \$2,900. Carole, x3-5376/0235.

'82 Plymouth Horzon, 30K, \$3,500. Call x3-3135 or 666-3862.

'84 Ford Van Club wgn, XL pckg, 8-pass, rstprf, Chyapin lck, eng 302, mnt cond in & out, \$7,800. Dave, x4318 Linc or

'84 Rabbit GTI, blck, 35K hiway, sunrf, AM/FM/cass stereo w/4 spkrs, Ungo alrm, exc cond, \$6,600 or bst. Felipe, x5-9547 dorm.

'84 BMW 325, auto, lthr, alpine, alrm, warr, undr 10K, exc cond, \$16,900. Juki, x2158 Linc.

'85 Mercury Topaz, like nw, loaded, inc. ESP, \$8,200 or bst. Tom, x3-4978 or

'85 Aries K wgn, 15K, a/c, frnt whl drv, stll undr warr, exc cond, \$8,000. Terry, x3-5687. '85 Plymouth Voyager, like nw, a/c, cruise,

AM/FM stereo, 5-pass, 14K, 5 yr warr, \$9,600. Jane, x3-4920 or 443-4587.

'86 Mitsubishi Mightymax 4x4 pickup, bl w/roll bar, foglghts, bushgrd & AM/FM/cass stereo, \$8,500. Ron, x4293

#### Housing

Concord, MA, 5BR cntry hm on 2 acres, adjoins twn wds, nr train, swim & tennis, furn - \$2,000, unfurn - \$1,400, +utils, yrd care inc. Call x3-6033 or 354-0410.

Waterville, NH, spring/summr rntls, hiking, fshng, tennis, indr/outdr pools, jacuz-& more, fully accom twnhse, sleeps 6-8, full bths, rsnbl rates. Joanne, x8-2607/2608 Draper.

Bass River, Cape Cod, 4BR mod hm, 3 blcks frm beach on Nantucket Sound, avlbl 6/28-7/19 & 8/2-8/16, \$625/wk. Stanley, x3-4288 or 643-0771.

Free-stnding twnhse for rnt, 6/1/86-9/1/87, 2BR, LR, DR, ktchn, stdy, grdn, piano, all amenities, betwn MIT & Hrvd, fully furn, nwly blt, \$1,500/mo+ utils, refs. John, x3-3210/4967 or 868-3228.

Conway, NH chalet, priv beach & tennis, s 8, 11/2b, fully eqppd, avlbl summr, = - \$300/2 wks, \$500/mo; July/Aug -\$400/2 wks, \$650/mo. Frankel, x3-6763 or

Sudbury, 3BR, 2b furn hse for rnt, 9/86-6/87, \$1,100+ utils. Paula, x3-3623 or 443-6892.

Cambridge, 2BR apt, eat-in ktchn, pntry, frplc, grg, in 2-fmly hse, exc locatn, quiet st nr Hrvd Sq. Call 868-2099.

Arlington Ctr, spacious rm to rnt, furn & hted, \$290/mo. Call x3-2895 or 648-7034.

Furn hse nr Hrvd Sq, subway, avlbl 6/11/86-7/4/87, BR, DR, LR, ktchn, 11/2b, music studio, dck, grdn, \$1,200/mo incutils. Earle/Ruth, x3-4877 or 876-7821.

(could be BR), all convs, prkg, patio, wd stv, \$1,200. Call x3-7281 or 491-4258 or

rville sublt 5/15-8/31, w/long-trm opt,

3 rm, Boston skyline view, cln & secure, bus to Kendall, hdwd firs, \$610 inc ht & h.w. Charles, x3-5083 or 628-9616.

Gloucester rntl, lrg furn 7BR, 31/2b, ocean view, commutr train to Boston, avlbl 9/86-5/87; Somerville rntl, 4 rms, htd, conv to red line, \$675. Call 776-2243.

Wnt to swap your hse/cottage on Martha's Vineyard for my London (Hammersmith) 3BR in lvely Somerset (south coast), 5BR cottage, for 2-3 wks beginning 7/18/86, nd rm for my fmly of 4. Larry Susskind, 485-0614.

Tewksbury rntl, nw 2BR condo w/grg, a/c, w/w, wshr/dryr, garbg dspsl, no utils, \$800/mo. Nick, x7393 Linc or 395-1032 aftr 6pm.

#### Animals

Rabbit nds hm, sm sandy-colrd F, 2 yrs old, littr box traind, free to gd hm. Randy x3-7431 or 472-4724 eves.

Prtty calico cat, wh w/bge & dk grey pttrns, spayd F, affctnate, mst give up due to allergy in fmly. Call 436-1830.

Rudy, elgnt, calm & gentle long-hair altrd M cat, 1½ yrs, usd to the gd life in nd of same. Call 489-0639 or 489-2449.

#### Wanted

Bilingual Spanish-speaking F grad sks rm w/fmly, nr T. Natalia, 247-3161.

Englsh vistng schlr will hse-sit in Camb area, July & Aug, refs, trms neg. Wise,

M grad stdnt frm France sks furn rm to rnt, 5/1-6/30, mst be convenient to public trnsprt & MIT. Call x3-4580 or 643-0396,

Apt/hse in grtr Boston area for vista Norwegian prof & spouse, 6/20-8/15. Elizabeth, x3-6809.

Hsing for vistng prof for '86-87 acadmc yr, in grtr Boston area. Elizabeth, x3-6809.

Grad stdnt cpl sk lrg 1BR apt, \$550/mo, beginning 6/1 in Brighton, Somerville, Charlestown or othr area. Becky, x3-3728

Twin strollr. Dianne, x3-5049 or 776-1146

#### Roommates

F 26-36 to shr Somerville apt w/F 33, no smkrs/pets, semi-veg, indpndnt, \$200/mo+ utils+ sec. avlbl 5/1. Nancy, x3-3361 or 776-9209 wkends/eves til 11pm.

Rspnsbl pro M/F to shr 3BR Jamaica Plain apt, \$233/mo+ utils, a steal. Scott, 524-8383 or Gayle, x8-3261 Draper.

Shr 2BR apt in Hrvd Sq area, \$250/mo inch ht, sk non-smkr, neat, frndly, rspnsbl & indpndnt prsn, prev coop living exp a +. Sharon, x3-4036 or 497-9342.

Rmmate & summr sublt nded by 1M/1F for 4BR Ctrl Sq apt, no smkrs, hetero/homophobes, \$225 inc heat. Helen P., 197-560 or 547-8647. 3 MIT M grad stdnts sk 4th, Cambridgeport apt, 15 min wlk to MIT, lndrymat, convenience store, Stefani's Piz-za nxt dr, \$275/mo+ utils. avlbl immed. Ken/Doug, x3-3791 or 491-7140.

#### Miscellaneous

Fst, accurate typng, 10 yrs exp. Call x3-1933/7737.

Editng, wrd pressng, 10 yrs MIT exp. Marie, x3-7309.

Typng on IBM Corr Sel II; wrd pressng on Wang, theses, corrspndnc, propsls, bo

resumes, tech paprs, trnscrptn, free dsk storage, 17 yrs exp. Debbie, x3-3386. Typng on wrd pressr, lasr prntr, thesis, tech, manuscrpts, etc. Pat, x3-4569.

#### Surplus Property

The Property Office has the following ex-The Property Office has the following excess MIT equipment for transfer within MIT. Unless noted, items are at the Equipment Exchange, 224 Albany St, open Tues & Thurs, 11am-3pm. After 30 days, items are sold to individuals. Where noted, bids and offers go to Tom Donnelly, Property Disposal Officer, E19-429, x3-2779, with envelope so marked. Always reference case number on envelope. MIT reserves the right to reject any and all hids. right to reject any and all bids.

Case 1726 - Transfer of funds required inspect call Cathleen Krebs, x3-3562: Tallgrass Technologies cartridge tape/hard file disk drive system, mdl TG-3020D.

Case 1727 - Transfer of Funds required. To inspect call Tony Pastore, x3-70767 or x3-0810: RCA studio tv camera system, camera; Norelco camera; controllers &

Case 1710: Radiometer pH meter.

Case 1711: Steelcase desk; Recordak magnaprint reader; Steelcase tbl; Steelcase chrs.

Case 1718: Acme Stapler Co. heavy duty stapler with foot pedal.

Case 1721: Tektronix oscilloscope stand,

Case 1722: Leeds & Northrup power supply; Leeds & Northrup galvanometer; Leeds & Northrup temp indicator; Western Electric voltmeter

Case 1724: Collins treadmill.

Cae 1728: Tektronix pulse generator; Data Precision multimeter; Simpson amps/volts/ohms meter; HP signal generator; EICO R.C. bridge

Case 1687: Spinwriter printer, NEC, mdl

Case 1691: Zenith b&w tv; RCA colr tv. Case 1696: 25" tv monitor.

Case 1697: Steelcase 20-drawer card file Case 1699: Recordak film file cabinet.

rience and either data processing or programming experience required. Background in accounting, systems analysis or journalism helpful. Familiarity with one or more of CMS, SCRIPT/VS, IBM PC, Macintosh, PL/1, ADABAS, and NATURAL desirable. A86-709

Associate Bursar/Information Systems, Bursar's Office, to be responsible for information systems within the Bursar's Office and interfacing with other MIT offices and students. These systems include centralized MIT accounting and billing systems for Student Accounts and Student Loans, a vendor-operated system of Student Loans, personal computers, and electronic mail. Will establish production schedules, control input and output, and ensure that all transactions and records are accounted for. Will re mend procedures to improve the efficiency and accuracy of the systems, ensure effective coordination with other MIT computer systems interfacing with Bursar's Office systems; ensure adequate audit trails and history files, security, backup, and disaster recovery. Interface with MIT's privacy committee on issues related to data security and access. Write programs to retrieve special report data; work closely with senior management to ensure meaningful management reports and assist them in hands-on personal applications. Will analyze and interpret ap-propriate federal regulations to ensure pliance. Master's degree or equivalent combination of education and experience required. Considerable knowledge of data processing, office automation, personal computers, IBM mainframes, links between personal computers and mainaccounting, finance and government regulations governing student loans and consumer credit essential. Consider-

Assistant to the Administrative Officer, Whitaker College of Health Sciences, Technology and Management, to assist in the financial and personnel administration of the Department of Brain and Cognitive Sciences. May assist in some or all of the following areas: the development and preparation of sponsored project budgets; the interpretation of Institute and sponsoring agencies' policies; the review and analysis of financial reports, budget and accounting data for accuracy and appropriateness; the preparation of account projections and financial reports; the assessment of oper-ational needs and/or problems and in reparation of ac making recommendations for solution and other related duties as assigned also work closely with faculty and other staff and support. Bachelor's degree or equivalent combination of education and experience, and two to three years experience in a responsible position that includes work with sponsored accounts are required. Excellent organizational skills, ability to prioritize, and ability to work well under pressure in a very busy ensential. Ability to work well vironment es with others, exercising tact and discre-tion, and good oral and written communication skills necessary. Experience using automated spreadsheets (Lotus or Multiplan) and some word processing preferred

Registered Senior Dental Hygienist,

examination and charting, prophylaxis, periodontal treatment, plaque control, taking and processing dental x-rays, screening dental emergencies and conducting education programs. May be called upon to do occasional assisting. Duties will also include assisting the Director in administration, including coordination and direction of technical staff. Applicant must be a registered dental hygienist. A.B. or B.S. in dental hygiene is preferred, as is some previous work experience, particularly in periodontal care. Sensitivity to the needs of patients, abil-ity to relate well to patients and staff, professionalism in manner and appear ance, reliability, and capability of assum ing responsiblity are essential. Personal ndations are important. C86-177

Assistant/Associate Director, Career

Services and Preprofessional Advising, to develop a practical experience program giving students the opportunity to gain work experience and to earn income to help cover their MIT expenses; this pro-gram's initial thrust will be to develop summer jobs for underrepresented minor-ities and will later be expanded to serve all students and may include longer periods of work. Will identify companies and government agencies interested in this approach to promoting minority employment; seek employers across the full spectrum of students' interests and in the major metropolitan areas from which the students come, as well as around Boston; and travel to meet employers and be familiar with their businesses and the kinds of work they can offer. Duties will also involve learning about specific career fields and characteristic work oppor tunities in order to assist in the counseling of students and alumni ing to their long-term future. A broad acational background (not necessarily a ster's degree), positive, enquiring inter est in the working world; and relevant work experience are required. Energy and initiative, administrative skills, and a friendly, understanding manner impor tant. Interest in technology preferred.

Assistant Managing Editor, Sloan Management Review, Sloan School of Management, to copy edit articles and forums for the professional journal of the Sloan School. Will proofread all production stages of journal (galleys, page proofs, blues); handle correspondence with author after manuscript has been accepted by publication and oversee author changes on galleys; coordinate book reviews and forums for each issue; and coordinate advertising campaigns and handle adver-tising for each issue. A college degree, preferably a B.A. in English or Journalism, and two and one half years of editorial experience, preferably with a business publication, are required. Knowledge of production and experience in dealing with printers essential. Excellent communication, organizational, and in-terpersonal skills necessary. Initiative and ability to work independently and assume a great deal of responsibility important. NON-SMOKING OFFICE. A86-702

Programmer/Systems Coordinator, Personnel - Faculty and Staff Informa tion Services, to provide primary programming support for the information consumers of the Personnel and Employee Records System (PERS). Will develop, document and maintain programs and related information for data retrieval, report generation, and other consumer needs, using Natural and Easytrieve; develop training materials and instruct novice users in the access to and operation of the PERS database and its c nent subsystems; and assist in providing support for microcomputer applications in Personnel running on IBM PC-XT's under PC-DOS and DECmate II's under CP/M. Bachelor's degree or equivalent combina-tion of relevant experience and education and at least one year of experience with an IBM-based operating system, prefera-bly VM/CMS and with a microcomputer such as the IBM PC are required. Programming experience with a high-level programming language such as Natural, PL/1, Easytrieve, or FOCUS necessary. Ability to communicate effectively with a wide variety of information consumers throughout MIT as well as with information systems professionals and absolute discretion in handling confidential personnel information essential. A86-701

Journals Editorial and Production Manager, MIT Press, Journals, to be responsible for editorial coordination and responsible for editorial coordination and production for fifteen journals in a grow-ing program. Editorial duties will include scheduling; trafficking manuscripts, galleys, pages, blues, etc. between sup-pliers and editorial offices; supervising freelance copyediting and proofing; and maintaining editorial procedures and quality. Production duties will include scheduling; cost estimating and purchas-ing composition, printing, binding ser-vices, and stock; providing regular production re ports and cost summaries; and maintaining production protocol and quality control of all outside suppliers. Will also supervise journals interface wi system. Minimum three years producti or production/editorial experience with either books, journals, or magazines re quired. Some management experience and word processing and/or microcomput ce preferred. Strong organiza tional skills, ability to work with a varie ty of projects and people, costing and budget experience, and ability to work without direct supervision essential. A86-700

Assistant to the Vice President, for In formation Systems, to provide overall planning and coordination of administrative computing activities for organizations reporting to three Vice Presidents. These new positions will report directly to their respective Vice Presidents and will form the core of a team that will implement the new strategic plan for administrative com-puting. Will establish and coordinate task groups; develop and implement Institute policies and standards; coordinate computing plans in administrative organizations with other MIT groups; analyze information systems needs; and advise and consult with the Vice Presi dent, line managers, and information con-sumers. A well-balanced complement of sumers. A weil-balanced complement of technical, managerial, and interpersonal skills is important, as is a technical background including business analysis, project management, and computer hardare and software. Prior management ex-

perience and knowledge of university en vironment necessary. Excellent written and oral communications skills, demon-strated effectiveness in team oriented work, leadership, creativity, and breadth of perspective essential. Bachelor's degree or equivalent combination of education and experience required. A86-695

#### Sponsored Research Staff

Administrative Officer, Artificial Intelligence Laboratory, to be responsible for the financial and administrative manent of an interdepartmental labora tory; will work as an integral part of an administrative team. Will develop and use computerized procedures for budget-ing, accounting, managing, and planning. Bachelor's degree in business administration or related field or an equivalent combination of education and experience re bination of education and experience re-quired. Substantial experience as an ad-ministrator, specializing in accounts man-agement and planning, preferably in a university setting, and good written and verbal communications skills essential. Keyboard skills for computer usage neces-sary. Familiarity with MIT procedures and DOD accounts management pre-ferred. R86-964

Technical Assistant, Psychology, to be in charge of research laboratory in cogni-tion. Will plan, design, execute and ana-lyze experiments with human subjects, under supervision of faculty member; assist in hiring and supervising up to three undergraduate students; program microcomputer to run experiments; analyze data using statistical packages have responsibility for overseeing equip-ment and maintaining data records; and supervise subject-caller and maintain pool of student subjects. B.A. or B.S. required, preferably with a major in cognitive psychology or linguistics. Experience in an experimental psychology laboratory and some familiarity with computer programming strongly preferred. This posi-tion will be either full-time or four-fifths time. R86-963

Technical Assistant, Psychology, to sup port a large research group studying brain architecture, development and func-tion, using traditional and innovative neuroanatomical, neurochemical and neurophysiological techniques, including immunohistochemistry, autoradiography, HRP histochemistry, receptor binding, and numerous special stains. Will execute and supervise immunohistochemical procedures; perform frozen sectioning, mounting, coverslipping, and ordering of serial sections of brain tissue; and share responsibility for general maintenance orderliness, and stocking of both laboratory and small animal surgery facility. Will work as part of a flexible and loosely structured team but often independently and with a minimum of supervision. B.S. in psychology or related field and facility with general laboratory biochemistry re-quired. Efficient work habits, strong orga-nizational skills, and ability to coordinate activities and set priorities in a highly variable environment essential. Knowledge of immunology and immunohistochemical techniques and experience with general histological procedures desirable. Specific experience with brain tissue and other techniques mentioned above helpful but less important than energy, enthu-siasm, and the ability to learn and adapt quickly. R86-962

Research Associate, Center for Computational Research in Economics and Management Science, to assist with research and development of new statistical software aimed towards producing a sophisticated software environment for statistical modeling, data analysis, and graphics. This environment will borrow much from the A.I. community, including expert systems technology. Ph.D. in statistics and experience in LISP, FOR-TRAN and C programming required. Knowledge of statistical graphics very desirable. R86-961

Shift Supervisor, Nuclear Reactor Laboratory, to be in direct charge of reactor operation on one shift (rotating shift). Will oversee startup, shutdown, utilization, experiment approvals, installation, maintenance, refueling and other activi-ties. A master's or bachelor's degree in nuclear engineering or equivalent, a working knowledge of reactor physics and engineering, and the ability to handle or learn reactor computer codes are re quired. Experience in reactor operation or a directly related field is desirable. Applicant must qualify for a USNRC senior op erator license and successfully requalify every two years and must adhere to and follow radiation protection guidelines and safety procedures associated with the handling of radioactive materials. R86-960

Assistant to the Director, Haystack Observatory, to repre ent and assist the Director on administrative matters within and outside the Observatory. Will serve as finance officer, being responsible control of a number of budgets; repres the Director in meetings and with other contacts at all levels within the Observatory and with officials of outside agen cies; act in a liaison role with the MIT ad ministration; act for or assist the Director in personnel matters, including hiring and wage and salary review; act as Safe facilities maintenance through a facilities manager and a team of 14 tradespeople; make routine and special reports, studies, etc., on own initiative or at the request of the Director; oversee a wide range of general administrative matters; and supervise the work of a small number of administrative assistants. Bachelor's perience in a technical/administrative field at a professional or managerial level, including substantial experience with budgets, are required. Excellent ability in report writing and oral presentation, and demonstrated maturity of management judgment and ability to interact with scientific and engineering staff, as well as representatives of sponsoring agencies, necessary. Knowledge of MTT policies and procedures in the areas of accounting, personnel, procurement and other technical services essential. R86-959

Software Development Programmer/ Digital Circuit Designer, Center for Space Research, to assist in the software development for a digital data system for

#### NYC, Eastside, 60's nr pk, 3BR, 2b, ktchn, LR, avlbl now, only M-F, \$1,200/mo. Peter, x3-7786 or 354-7443. Kendall So, mod twnhse, 2BR & blcnv '75 Datsun 710 wgn, 4-dr, auto, 66K, no

Somerville 1BR, a/c, htng, prkg, D/D, wshr/dryr in bldg, avlbl now sublt/rnt, \$595/mo. Harumi, x3-4883 or 629-2187.

**POSITIONS** 

It is Institute policy, not to discriminate against individuals on the basis of race, color, sex, sexual orientation, religion, handicap, age, or national or ethnic origin in the administration of its programs and activities.

**AVAILABLE** 

This list includes all nonacademic jobs currently available on the MIT campus. Duplicate lists are posted outside the offices of the Special Assistant (10-215) and in the Personnel Office (E19-239).

Information on openings at Lincoln Laboratory (Lexington, MA) is available in the Personnel Office.

Persons who are NOT MIT employees should call the Personnel Office on

Employees at the Institute should con

tinue to contact their Personnel Of-

ficers to apply for positions for which they feel they qualify.

3-4267

3-4076

Ken Hewitt

Kim Bonfiglioli

Nancy Collins

Dick Higham	3-4278
Virginia Bishop	3-1591
Appointments:	NAME OF TAXABLE PARTY.
Therese McConnell	3-4274
Oveta Perry	3-1594
Kenneth W. Chin	3-4269
Sally Hansen	3-4275
Appointments:	3-4268
Maureen Howard	3-4268

#### Administrative and Academic Staff

Technical Writer II, Administrative Systems, to support database systems and older batch systems, working with AS de nent teams or outside contractors Will compile, organize, and write user documentation; compile and edit technical documentation; format, publish, and distribute manuals; develop help screens and other on-line documentation; consult on screen design; and maintain existing doc-umentation. Will also write and edit standards and guidelines, newsletter article tutorials or other materials as needed; maintain moderate expertise ported operating systems and word pro-cessing for both mainframe systems and personal computers; and consult on word processing and formatting as needed. Bachelor's degree, technical writing expe-

able experience in information systems planning and operation is necessary. Good interpersonal skills essential. A85-708

Medical Department, to report to the Director of the Dental Service. Clinical duties will include initial comprehensive

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a satellite borne X-ray astronomy instru-ment. Will participate in the design of the central data processors in the experiment data system; special emphasis will be placed on conducting tradeoff analyses among hardware, software and firmware methods of implementing the system de-sign. Will also specify, emulate and verify the programs designed for the flight data system on ground based machines; and es-tablish standards for coding and program documentation. Familiarity with modern documentation. Familiarity with modern microcomputer design, both hardware and software; working knowledge of UNIX system and "C" language; and a knowledge of and ability to design digital circuitry and computer interfaces are required. B.S. in Electrical Engineering/ Computer Science, Physics or a related field which provides similar experience in modern hardware/software computational technologies necessary. The abilities to work independently and to write good documentation are highly desirable.

Technical Assistant, Physics, to assist two principal investigators (one faculty, one staff) with the biophysical and biochemical bases of cataract formation in the eye lens. Will separate, purify and characterize lens proteins using techniques such as chromatography, electrophoresis, ultracentrifugation, electron microscopy, high performance liquid chromatography and spectroscopy (absorp-tion, fluorescence, circular dichroism, NMR and quasi-elastic light scattering); coordinate operations of biophysics labora-tory; purchase and prepare materials; test experimental procedures; and conduct independent research. B.S. in biophysics, chemistry, biology or degree in related chemistry, bloogy or degree in reasonable field; computer programming experience; excellent organizational skills; and laboratory experience required. Capacity to work with precision and stability essential. Experience in biochemistry and/or eye research preferred. NON-SMOKING OFFICE. R86-957

Postdoctoral Sponsored Research Staff, Plasma Fusion Center (temporary), to work on coherent radiation generation by free electrons including such mechanisms as free electron lasers, relativistic magnetrons and Cerenkov emitters. Ph.D. required, as is laboratory experience in one or more of the following areas: electromagnetism, microwaves, accelerators, high voltage electronics. R86-956

Purchasing Agent, Research Laboratory Purchasing Agent, Research Laboratory of Electronics, to process yearly volume of purchase orders for special materials from outside vendors as well as internal requisitions; the Purchasing Agent is responsible for total administration of the purchasing process. Will supervise one Buyer Assistant; prepare and supervise preparation of orders from requisitions; assist in resolving problems that may preparation of orders from requisitions; assist in resolving problems that may arise in invoicing, delivery, reject material, etc.; and assume responsibility for locating and placing business with minority, small and women-owned businesses and negotiating more favorable pricing arrangements with present sources A col. arrangements with present sources. A college degree in accounting or business administration and several years experience as a buyer, or equivalent combination of education or experience required. Knowledge of computers and/or willingness to learn essential. Understanding of federal ontract regulations highly desirable.

Technical Assistant, Biology, to provide technical support in a laboratory of 10 to 15 investigators. Will monitor laboratory equipment and supplies; prepare, sterilize and test cell culture media and biochemical buffers; and take initiative in assuring smooth day-to-day functioning of laboratory. Previous laboratory training or experience, bachelor's degree in chemistry or biology; and strong interpersonal and organizational skills are required.

Technical Assistant, Whitaker College of Health Sciences, Technology and Management, to support research directed toward understanding the mechanisms by which animals process extracellular molecules. Will isolate lipoproteins and lipoprotein-deficient sera from plasma, and prepare media for the growth of cells in culture. May also perform general laboratory maintenance and assist with biochemical experiments. B.S. in biology with exposure to biochemistry, cell biology, and animal physiology preferred. Laboratory experience using basic techniques of pipets, balances, pH meter and preparation of buffer solutions desirable.

Administrative Officer, Sloan School of Management/CCREMS, to manage licens-ing of CCREMS' econometric modelling software package, TROLL, including responding to inquiries, negotiating with prospective licensees, supervising an assistant in the accounts receivable func-tion, and maintaining files for licensees. Will also monitor all Center accounts, including TROLL and research accounts supervise reconciliation of monthly state ments, produce projections, and generate reports comparing actual and projected financial performance. Other duties will include overseeing general office functions; serving as liaison between CCREMS and all centralized MIT functions, such as accounting, personnel, purchasing, and telecommunications; a maintaining the records related to the interactions. Will process all payroll documents, assist in development of search plans, and coordinate paperwork associated with staff and visitor appointments. Candidates should have prior financial control experience, as well as office management experience. Position requires individual who is well-organized and detail-oriented. Knowledge of and experience with computers for financial (especially Lotus 1-2-3) and word process-ing applications preferred. Excellent communication skills necessary. MIT experi-ence preferred. A Bachelor's degree in business administration or equivalent education/experience required. R86-914

#### Secretary/Staff Assistant

Administrative Secretary, Economics, to work with 2 to 3 faculty members in a very busy, fast paced office. Will prepare and edit manuscripts and classwork on IBM PC using XYWrite; revise older work done on Lanier word processor; schedule frequent meetings, workshops and luncheons, handle billing; maintain accounts and filing systems, and handle extensive correspondence. Minimum 4.5 years direct/related experience required. Strong administrative and interpersonal skills, initiative and readiness to follow through essential. Previous experience with the IBM PC and willingness to learn Lanier word processor and ability to work independently and under pressure necessary. Must enjoy working as part of a team. Some experience with technical typing preferred. B86-341

Administrative Secretary, Alumni Administrative Secretary, Alumni Association, to support the Secretary of the Alumni Association. Will type on standard typewriter and word processor, transcribe from dictaphone, proofread, photocopy, arrange meetings, handle routine purchasing, schedule appointments and travel for the secretary, answer telephones, file, and assist with meeting logistics. Will also update and maintain officer lists, using the data base terminal for routine retrievals, and workterminal for routine retrievals, and work-ing with the Data Base Manager on more complex retrievals. Minimum 4.5 years direct/related experience required. Good interpersonal skills and discretion in the handling of confidential materials essential. Ability to exercise judgment, recognize priorities and work independently necessary. Training will be provided for or and data base system

Administrative Secretary, Resource Development, to provide administrative and secretarial support for two staff members in the Office of Leadership Gifts. Will perform general secretarial duties; organize calendar, travel plans, files and correspondence; prepare informa-tion on donors and prospects; and enter and retrieve this information on the prospect donor base. Strong executive secre-tarial skills (including 65wpm typing), solid competence in word processing and database entry and retrieval, and ability to interact professionally with senior alumni volunteers essential. Minimum 4.5 years direct/related experience required. B86-328

Sr. Secretary, Linguistics and Philosophy (part-time, 20-25 hours/week), to support two linguistics professors. Will answer telephones and screen calls; receive visitors, type correspondence, articles, manuscripts and teaching materials; maintain files; and make travel arrangements. Additional duties will include arranging seminars, maintaining inventory and handling distribution of occasional papers, and possibly assisting department headquarters staff on special projects. Minimum 2.5 years direct/re-lated experience or equivalent combina-tion of education and experience required. Good typing and ability to set priorities essential. PC experience highly desirable, as is willingness to learn other types of hardware and various software packages. The work schedule for this position is to be mutually agreed on, but once estab-lished should remain fairly constant.

Sr. Secretary, Civil Engineering (part-time, 20 hours/week), to support one facul-ty member. Will word process, type, edit, proofread, photocopy and mail correspondence, classnotes/homeworks, research proposals and technical reports; maintain research accounts, petty cash, office sta-tionery, files, schedules and appoint ents; perform occasional library sear ches; and interact with students and faculty and arrange group meetings. Min-imum 2.5 years direct/related experience required. Knowledge of word processing and/or personal computer, technical typing, and accounting essential, as are good organizational skills, attention to detail, and enthusiasm. Independent manage-ment skills and willingness to learn and sary. B86-333 uire new skills neces

Sr. Secretary, Sloan School of Manage ment, to support three faculty members in the Management Information Systems group in the Management Science Area. group in the Management Science Area. Will type and proofread correspondence, course materials, manuscripts, etc. and photocopy as appropriate; maintain complex calendar; schedule appointments; make travel arrangements; answer phones; interact with students and outside visitous process mail monitor as side visitors; process mail, monitor ac-counts; order supplies; and perform other duties as required. Other duties will include helping other secretaries in the Area as well as the Area Head and the Area Coordinator when the need arises. Minimum 2.5 years direct/related experi-ence required. Excellent typing and orga-nizational skills and the ability to handle several tasks simultaneously and to work well under pressure essential. Word pro-cessing skills and/or the desire to learn necessary. Knowledge of MIT preferred. NON-SOKING OFFICE. B86-329

Sr. Secretary, System Dynamics Group, Sloan School of Management, to provide overall support for one faculty and two research staff members. Will type manuscripts, reports, correspondence and class materials; photocopy; coordinate sched-ules and travel arrangements; assist in summer session project administration which includes planning, logistics and expense management. Additional duties include maintaining reprint inventory, receiving and directing visitors, answering telephones, and assisting other support staff as needed. Minimum 2.5 years direct/related experience required. Strong typing skills (55wpm), good editing skills, word processing experience and will-ingness to learn list processing essential. Good attention to detail and ability to organize and set priorities with minimal supervision necessary. NON-SMOKING OFFICE. B86-327

Sr. Staff Assistant, Career Services and Preprofessional Advising, to perform com-plex secretarial and administrative duties for Associate Director. Will draft correspondence; anticipate and initiate actions regarding office operations; compile annual data; maintain Associate Director's calendar; manage files and records of premedical and prelaw students, including typing, filing, copying and mailing; and assist in the functions of general office operations. Excellent interpersonal skills and a friendly, caring and perceptive manner essential. Ability to exercise discretion regarding confidentiality of material and in obtaining sensitive information, and pleasant office manner and ork well with students and alumni as well as Institute faculty and staff essential. Typing necessary; word processing skills helpful. B86-325.

Secretary, Materials Science and Engineering, to support Department Head for a minimum of four months and later to support two faculty members. Will type technical reports, assist Head's secretaries in overflow of work, answer phones, open mail, maintain office sup-plies, fill in for Administrative Officer's secretary when necessary, and maintain postage meter. Minimum one year di-rect/related experience required. Word processing experience (DECmate II) and ability to use dictaphone essential. Ability to set priorities and ability to year well. to set priorities end ability to work well with people necessary. NON-SMOKING OFFICE. B86-334

Staff Assistant, Personnel Benefits Office, will assist Benefits Office Staff members in the completion of a variety of special projects including the development and conversion of office records to an automated database. Will provide editorial assistance and support in the redesigning of various benefit summary plan des criptions. Will utilize DECII word pro-cessors to generate various correspon-dence and for letters pertaining to MIT's dence and for letters pertaining to MIT's retirement plans. Fully developed DECII word processing skills highly desirable. The ability to organize work, set priorities and work independently toward deadlines is essential. NON-SMOKING OFFICE B86-243

#### **Technical Support** Staff

Architectural Designer/Draftsperson, Physical Plant, to prepare plans for In-stitute remodeling and alteration work. Will develop projects from preliminary estimating through design and working drawings. Five to ten years experience in the architectural field required, as is the ability to work with minimal supervision. Some field supervision experience desirable. Knowledge of electrical and mechanical systems and prior experience in school or institutional remodeling work advantageous. T86-340

Metabolic Kitchen Assistant, Clinical Research Center, to be responsible for metabolic and other diet preparation as well as kitchen sanitation and mainte nance. Will prepare diet (weighing, cooking) and serve to patients; monitor patients during meal times for food consumption and report findings to dietitian; participate in kitchen maintenance and sanitation functions; communicate patient preferences and meal schedules to depart-ment staff; develop daily food order list for use in procurement of perishable foods; and accept food deliveries and stock supply shelves. High school degree or equivalent required; minimum of one year experience in food service preferred. Good interpersonal skills; accuracy in measuring and weighing ability; ability to work independently; and willingness to work occasional weekends, holidays or early/late hours essential. T86-332

#### Office Assistant

Office Assistant, Laboratory for Computer Science, to support Facilities Officer. Will assist in processing mail, including sorting and delivering incoming and outgoing mail and making deliveries to other MIT offices; assist Facilities Officer with property and materials, including their distribution; and have responsibility for the facilities database system, using an IBM PC. May involve system, using an ISM 70. May notive heavy lifting. High school degree and minimum one year direct/related experience required; post-high school education may count toward experience. Good interpersonal skills and familiarity with or willingness to learn computer database system essential. S86-337 system essential. S86-337

Receiver (Service Assistant II), Food Service, to receive all food, supplies and equipment, and verify the proper count or weight. Will certify invoices for prices and amounts; determine that product quality meets specifications; store all merchandise in a proper sequence; and maintain an up-to-date file on price structure. Other duties will include maintaining sanitary food handling procedures in the storage of all food; cleaning and maintaining all storage areas; assisting with daily, weekly or monthly inventories; and per weekly or monthly inventories, and performing other related duties as assigned. Experience in warehouse/stock procedures and ability to handle heavy lifting required. Clerical ability in the areas of handwriting and mathematical computations. tions necessary. S86-330

Office Assistant, Personnel - Faculty and Staff Information Services, to process and maintain employment information concerning faculty and staff, under supervision of the assistant manager. Will use word processor and/or typewriter to notification letters puter files daily; respond to telephone and written inquiries; assist in salary verification and review processes; and assist, as necessary, in preparation of various reports and special projects. Will also have contact with other Institute and outside offices and agencies on a daily basis. High school degree or equivalent combination of education and minimum one year direct/related experience required. Good basic office skills, close attention to detail, and absolute discretion in handling confidential personal information nece sary. Experience with word processing (Digital) and computer terminals highly sirable. S86-319

Receptionist, Center For Real Estate Development, will greet visitors and students and direct them to appropriate individuals or offices; answer incoming calls; serve as source of information about Center and its services and policies; serve as source of general information about Center's M.S. Program in Real Estate Development to callers and visitors; schedule appointments and make co travel arrangements; receive RSVP's; distribute incoming mail; maintain and replenish postage meter; post daily outgo-ing mail; order and maintain inventory of office supplies, and other related duties. Ability to work autonomously and under occasional pressure required. Accurate typing and ability to learn word process ing necessary. Should be able to relate well with diverse group of professionals, faculty, students and visitors. Minimum of one year experience in an office setting required. S86-249

# Pistol team takes gold in NRA tourney

MIT's varsity pistol team won gold medals in two of three events-air and standard pistol-at the National Rifle Association (NRA) Collegiate Pistol Championships April at the US Olympic Training Center in Colorado Springs.

In air pistol competition, MIT totaled 2,171 points to finish ahead of The Citadel (2,163), Texas Tech (2,152), Navy (2,146), and Air Force (2,142). Junior All-America Joe LaRocca (Lincoln Park, N.J.) led the Engineers by tying for fourth place with 551 points out of a possible 600. Other members of Tech's winning squad were senior captain and two-time All-America Jerry Martin (N. Little Rock, Ark.), who finished seventh, senior Chris Medina (Bogota, Colombia), and junior Homero Rey (Boca Raton, Fla.), who placed ninth.

MIT's standard pistol team of LaRocca

who tied for seventh), Martin, Medina, and junior Kevin Phoon (Newtown Square, Penn.) took first with 2,111 points followed by Air Force (2,085), Army (2,081), Navy (2,079), and Texas A&M (2,070).

Martin also finished 20th in free pistol as

MIT placed fifth in the team scoring. "To be quite honest, I didn't expect us to do this well considering the strength of the military academies," said MIT coach Pasquale Melaragno. "They have very strong teams especially in standard pistol. One of the things

#### Ham exams

The SRUUHF Repeater Association and the MIT Radio Society will give amateur radio license examinations for all classes of licenses Wednesday, April 23, at 7pm in Rm 1-134.

Open to the public, the exams are held monthly on the penultimate Wednesday. There is a \$4.25 fee. Exam takers need to bring a completed Form 610, available from the Federal Communications Commission office in Boston and two other forms of identification.

For further information, call Ron Hoffmann, 646-1641, or Craig Rodgers, 494-1986.

that was especially gratifying to the team was the loud applause we received at the awards ceremony. That showed us that we were held in high esteem by our competitors.

This was MIT's best showing in the nationals since the NRA established the meet with head-to-head shoulder competition six years

To qualify for the nationals, teams and individuals compete in sectionals around the country. Only the top 10 schools and top 30 individuals advance to the championship meet.

## Crew is off to good start

MIT's new varsity heavyweight crew coach Bruce Beall had a successful debut Saturday (April 5) as his Engineers edged Columbia by less than a second in the 10th running of the Alumni Cup.

MIT covered the 2,000-meter course in 6 minutes, 7-1/2 seconds in winning the Cup for the second straight year. Columbia, which led by almost half a boat length after the first 500 meters, was two seats behind in 8:08.2.

The race was delayed eight hours because of high winds and rough water on the Charles River. "It was a long day," said Beall, a former Olympic oarsman who served as Harvard lightweight coach the past five years.

Members of MIT's winning boat: bow, Bill Van Doorne, '87 (Houston, Texas); seat 2, Rick Wesel '88 (Marietta, Ohio); 3, Alex Jessiman 77 (Reading, Mass.); 4, Bill Malecki '88 (Edina, Minn.); 5, Bob Smith '87 (Woburn, Mass.); 6, Geoff Kelsch '87 (Flushing, Mich.); 7, Capt. Jim Nugent '86 (Poway, Calif.); stroke, Rob-Biedenharn '87 (Grove City, Ohio), and cox-swain, Stu Schmill '86 (Little Neck, N.Y.).

#### Papert to speak

Dr. Seymour Papert, professor of media technology in the Department of Architecture, will speak at the Computer Museum Thursday, April 17, at 7pm. Professor Papert, an authority on the application of technology to learning will discuss Computers and Learning in Early Childhood. Admission to the museum is \$4; \$3 for students.



Professor Freeman J. Dyson of Princeton's Institute for Advanced Study presented the first of this year's Herman Feshbach Lectures in Physics on Monday. The series continues today (Wednesday, April 16) at 4pm in Rm 54-100 with "To Uranus Next Time," and will conclude tomorrow at 4pm in Rm 10-250 with "Neutrino Detection." -Photo by Herb Smith

## **End-of-Term Regulations**

The Faculty Policy Committee would like to call to the attention of the teaching staff and students the Faculty Regulations which deal with the schedule of exams and work assignments in subjects at the end of the term. These Regulations in part restrict exams and assignments during the six days preceding the reading period.

Each term undergraduate and graduate students from

various departments contact the Chairman of the Faculty to protest subjects which have requirements that are in conflict with the rules. While generally well-intended, requirements that are in violation of the rules often work hardships on students, given their overall loads. It is usually difficult and awkward to resolve such situations in a way that is fair to the students and that preserves the educational value intended by the instructor.

The Faculty Regulations governing the end of term follow—and apply to both undergraduate and graduate subjects. This term, the last day of classes is Thursday, May 15; Reading Period is May 16-18; and the Final Exam Period is May 19-21 (Monday-Wednesday). The FPC asks that the teaching staff read the

regulations carefully and cooperate fully in complying with them. Questions regarding the interpretation of any of these provisions should be addressed to the Chair of the Faculty, Professor Mary C. Potter, ext. 5526. —Major assignments should be assigned early enough

to allow students the opportunity to manage their

time effectively.

-No classes, examinations, or exercises of any kind may be scheduled beyond the end of the last regularly

scheduled class in a subject-no later than May 15 this term-except for final exams that have been scheduled through the Registrar's Office. (The Architecture design reviews that occur during the final exam period are considered to be equivalent to final examinations and are scheduled by the Department.)

-For each subject which has a final exam, no oth examination may be given and no assignment may fall due after Friday, May 9.

—Each subject in which no final exam is given may

have at most one of the following during the last week of classes (May 10-15): either a one-hour quiz may be given during a regularly scheduled class period or one assignment (term paper, lab report, take-home exam, problem set, oral presentation, etc.) may fall due. (A quiz of one and one-half hours is allowed, but only if done within a regular class period.)

-It is inappropriate for comprehensive examinations (exams covering most of the term's work) to be given at any time other than during the final exam period.

No assignment, of any kind, may be given which falls due after the last regularly scheduled meeting of the class for that subject—no later than May 15 this term. This does not prevent an instructor from giving an extension to an individual student, but an extension should not need to be given to the majority of the class.

-Students are entitled to expect that no faculty member will deviate from these rules except with prior permission of the CAP for undergraduate subjects and the CGSP for graduate subjects. Having students vote on some devia-tion from the rules is not an acceptable procedure.

#### Service Staff

Technician A, Mechanical, Haystack Observatory, to maintain and operate cryogenic refrigerator systems both on the Haystack antenna and at ground-level stations, under the supervision of engineering personnel. Will perform sched-uled and corrective maintenance; help to move systems between antenna and ground levels; and set up and shut down operating systems. Will also construct specialized receiving and monitoring in strumentation. Applicants should be grad-uates of a two-year technical school or have the equivalent in experience; must be responsible persons capable of working without continuous supervision; and should have the ability to work with simple hand and machine tools; including lathes and milling machines. Some experience with pumps, compressors or intermbustion engines would be beneficial. The work will require the climbing of the antenna tower via protected lad-

Laboratory Assistant, Electrical Engineering and Computer Science, to perform various routine jobs related to the EECS Audio/Visual Facility, such as loading slide projector carousels, mount ing films for projection, operating audio equipment, etc. Will assist staff member with classroom demonstrations as needed maintain a running inventory of equip ment, and keep the facility (projection audio and video rooms) clean and in oper ational condition. Must have the ability to communicate and interact with EECS le turers in regard to the lecture hall facilities and equipment and be willing to work flexible hours on occasion. Familiar ity with Audio/Visual equipment and

general electronics is desirable, NON SMOKING AREA. H86-364

Laboratory Assistant, Laboratory, to provide laboratory assistance to the Research Staff engaged in the laser synthesis and processing of ceramic powders and thin films. Duties will include cleaning and reassembly of laser reactors, transfer and storage of powders, preparation of substrates for thin film deposition, and maintenance of gas cylinder inventories. Possible addigas cylinder inventories. Possing auditional duties may include pressing and firing of ceramic pellets and routine maintenance of laboratory equipment. Should have some mechanical aptitude, but no previous experience required. H86-362

# Janney works to be seen in Kresge

A concert of performance works by artist Christopher Janney, conceived and developed over the last three years using engineers and students from MIT, will be presented in Kresge Auditorium tomorrow (Thursday, April 17) at 8pm. Admission will be \$5.

This performance, entitled Inside Rhythms, was presented last month at Washington's Kennedy Center for the Performing Arts.

This will be the only performance of this work in Greater Boston this year; it is supported in part by the Council for the Arts at MIT. Performers all will be Boston-based: percussionist Syd Smart, choreographer/dancer Tom Krusinski and saxophonist Stan Strickland.

Inside Rhythms includes three separate works. As an illustration, the text for one, Percussion-Discussion, is:

My machine makes

mistakes never music excuse it

This is composed of both traditional drums and eight drum pads which are wired to a computer and a four-track digital voice recorder. When a drummer hits one of the pads, it "speaks" a word or part of a word allowing the performer to create rhythmic patterns from words. There is also interaction with the computer operator who is changing sections of the text, adding elements of structured improvisation and surprise.

As a preliminary to the concert, Mr. Janney will install Soundstair on the steps of 77 Mass Ave. today (April 16), 11 am-6pm. Soundstair is an instrument which transforms any existing staircase into a musical stairway.

A fellow at the Center for Advanced Visual Studies, Mr. Janney was awarded the Master of Science in Visual Studies in 1978 as one of the first MIT graduate students in art under environmental artist Otto Piene, professor of visual design and director of the CAVS.

Since 1979 he has toured this country and Europe, creating "Soundworks" as well as collaborating with dancers, musicians, poets and the public in performance. He has received many grants and considerable national attention, including a 1984 citation by Esquire Magazine as one of "The Best of the New Generation: Men and Women Under Forty Who Are Changing America."

# Mazlish receives Toynbee Prize

(continued from page 1)

history and psychopolitics—together with his research and interpretations in the more traditional areas of history and philosophy have been outstanding. The Committee recognizes Professor Mazlish as a pioneering and innovative scholar whose work has enriched the life of the mind"

The Toynbee Prize commemorates the life and work of the great British historian and philosopher, Arnold Toynbee. Past recipients have included Raymond Aron of France, Lord Kenneth Clark and Barbara Ward-Baroness Jackson of Great Britain, Buckminster Fuller of the United States and Jean-Paul Sartre of France.

In accordance with past procedures, Professor Mazlish becomes the chairman of the Toynbee Prize Committee responsible for selecting the next recipient.

Dr. Mazlish, professor in MIT's Department of Humanities, is an authority on European intellectual history, the philosophy of history, psychohistory and comparative development history. He has been a faculty member at MIT for more than 20 years and a fellow or visiting professor at several other major institutions of higher learning, including Harvard University and the Institute of Advanced Study at Princeton.

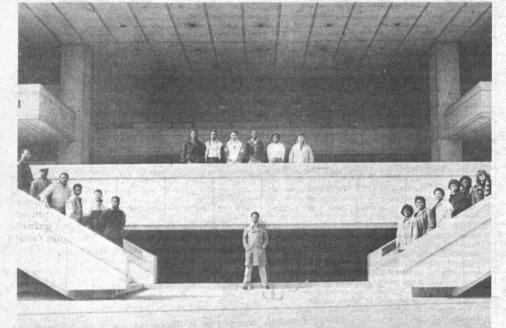
He has authored more than 200 major papers and articles and several books, among them The Western Intellectual Tradition (with Jacob Bronowski), The Riddle of History, James and John Stuart Mill, The Revolutionary Ascetic, and The Meaning of Karl Marx.

Born in 1923, Professor Mazlish received a BA degree from Columbia University in 1944, an MA in 1947 and PhD in 1955. He was an



instructor in history at MIT from 1950 to 1953, when he became director of the American School in Madrid, Spain. He was appointed to the MIT faculty in 1955. He was chairman of the history section of the Department of Humanities from 1965 to 1970 and head of the department from 1974 to 1979.

His professional associations include a fellowship in the American Academy of Arts and Sciences.



Nineteen of the 30 members of the MIT Gospel Choir left their regular Saturday rehearsal to assemble for the photographer on the Student Center steps. The Choir will present a major concert with guest gospel choirs from three other universities, on April 26, at 7:30pm in Kresge Auditorium. In the center is Choir music director Jerryl Payne, Class of '74. Above are some of the Choir's directors and officers, from left: Rocky Ahimaz, Willie J. Baldwin, Michael D. Dixon, Daru Gaskin, Stefanie Wiggins and K'Andrea Bickerstaff. Left: Warren A. Williams, Tyrone R. Williams, Robert Boone, Benz-Ney Theodore, Eric N. Deering and Herek Clack. Right: Candace C. Means, Georgette Redmond, Kendra Williams, Cheryl A. Tolbert, Lisa D. Mitchell and China Altman. —Photo by Herb Smith

# Gospel choir plans concert

(continued from page 1)

president; Kimberly Haskins '89, Nicola Chin '88, treasurer; Kyla M. Thomas '86, Glynis Walton '87, Deborah Washington '87, Pascal Antoine '88, director; Gontran D. Fortune, Jr. '88, and Gregory Campbell '87.

The birth of Gospel music is dated from 1929 because that was the year Mr. Dorsey decided to stop wavering between blues and gospel. Subsequently he wrote more than 400 Gospel songs, with the most widely known

being Precious Lord, Take My Hand and There'll Be Peace in the Valley for Me.

Dorsey grew up in Atlanta where his father was a Baptist preacher, his mother a church organist. He played and wrote blues and ragtime during his early life when he also developed what were to be lifelong friendships with Bessie Smith and Gertrude "Ma" Rainey.

His fellow Gospel pioneer, Willie Mae Ford "Mother" Smith, defined him in characteristic down-to-earth fashion: "He took the church music, spirituals and hymns and pepped them up and put a rhythm to them and called it Gospel."



Cool Moon members seated are Mike Weiss, left, and Lieven Vanmarchi, standing, Kevin Foote, left, and Steve Weiss.

—Photo by Herb Smith

# Cool Moon issues first recording

By SHARON DAVIS

Staff Writer
Rock music is only a "sideline" say Cool
Moon members. At night they perform original
music in Boston area night clubs, but during
the day they attend school.

Manager and part-time keyboardist Kevin Foote'87 majors in management and mechanical engineering, while guitarist-vocalist Lieven Vanmarcke '88 studies mechanical engineering. Cool Moon's other members, Steve Weiss, a sophomore at Tufts University, and his younger brother, Mike, a junior at Wayland High School, play percussion and bass, respectively. "Mike (who also sings) hopes to apply to MIT." Lieven said.

"Energetic, danceable rock" is how Kevin and Lieven describe their music.

Jumping Jack Flash, the Rat and Jacks are a few of the local clubs Cool Moon have played. Earnings usually go toward new equipment, but during IAP the band recorded a three-song single.

a three-song single.
"Blind Faith," recorded at Polymedia
Studios, Boston, and engineered at Sterling

# Trio to play April 27

Three members of the MIT Chamber Music Society will present a recital on Sunday, April 27, at 3pm in Kresge Auditorium. Admission is free.

Barbara Hughey, violin, Joyce Wong, cello, and Robert Beckwitt, piano will perform the Brahms Violin Sonata No. 3, the Mendelssohn Piano Trio No. 1, and the Rayel Piano Trio.

Joyce Wong '88 is currently studying cello with Ron Thomas of the Boston Chamber Music Society. Barbara Hughey, former concert master and soloist with the MIT Symphony Orchestra, is a PhD candidate in physics. She is currently studying violin with Stephanie Chase, also of the Boston Chamber Music Society.

Ms. Hughey and her husband, Mr. Beckwitt, have performed in many recitals together since 1978 when they were freshmen at Princeton University. Mr. Beckwitt is a master's candidate at the Sloan School of Management. His former teachers include Beveridge Webster of the Juilliard School.

This trio has performed in the Chamber Music Society during the past two years, under the coaching of Professor of Music Marcus Thompson, who is music director of the Chamber Players and head of the Chamber Music Society.

# Nobelist Singer to read at Kresge

Nobel laureate Isaac Bashevis Singer will present a reading Monday, April 28, at 8pm in Kresge Auditorium. The event is sponsored by the MIT Writing Program.

Awarded the Nobel Prize for Literature in 1978, he is also the recipient of numerous other literary awards, including two National Book Awards, the Louis Lamed Prize, and an American Academy and Institute of Arts and Letters grant. He is now a member of the Academy.

His works include The Image & Other Stories, The Penitent, Love and Exile (Memoirs), The Collected Short Stories, and Shosha. His short stories and novels represent 60 years of creative effort.

Mr. Singer was born in Radzymin, Poland, in 1904. After working as a journalist for the Yiddish press in Poland, he published his first novel, Satan in Goray, in 1935. In that year he also emigrated to the United States, where his writings have continued to appear in the Jewish Daily Forward, The New Yorker, Esquire, Partisan Review and Commentary.

His reading at MIT is free and is open to the public.

Sound, New York City, should be available in local stores this month. The flip side has two songs, a rarity Kevin said. They are "Music for the Mind" and "Michael." Lyrics were written by Lieven while music was composed by the other band members.

Promotional copies have been sent to WBCN and other rock stations for air play. Kevin and Lieven hope the exposure will entice album contracts from major record companies.

Yet before the "Blind Faith" release, Cool Moon was selected to perform at a fund raiser to benefit Bridge Over Troubled Waters, a community service organization. Cosponsored by WBCN, the affair was held Sunday, April 13, at the Metro, 15 Landsdowne St, Boston.

"They had a contest and we submitted the tape. After they (contest officials) heard it they were blown away," Kevin said.

In addition to performing, Cool Moon publishes "Cool Nooz," a quarterly newsletter filled with concert dates and other band news. The group also sells t-shirts with the Cool Moon logo (a moon sporting black sunglasses) for \$7.

Cool Moon was formed in Wayland six years ago. Recalled Lieven, "we were just three or four kids who played rock music in a garage." A year ago, Kevin, who grew up on numerous military bases, started managing the group.

In May, the band will begin filming a video for "Blind Faith" with assistance from Emerson College students. "Much of it will take place in the Boston area and will show us performing, along with all kinds of crazy stuff thrown in. We're really excited about this," Kevin said. Promotional copies will be sent to video stations V-66 and MTV.

Exclaimed Lieven, "overall, we've had a good time."

For up-to-date information on Cool Moon performance dates, call 266-5950.

#### Joan A. Horton

A funeral Mass will be held today (Wednesday, April 16) at 10am in St. Mary's Church, Taunton, for Joan A. Horton, who died April 12 following a long illness. Ms. Horton had been a senior secretary in Information Systems since 1966.

She is survived by her mother, Frances V. Horton, of Taunton; a brother, Kenneth A. Horton Jr., of Taunton; four sisters, Marie Perez of Ridgewood, N.J., Kathleen Decker of Taunton, Diane Finch of Naples, Italy, and Cynthia Walsh of Medfield; three nephews and a niece. Memorial contributions may be made to the American Cancer Society.

#### Barnard A. Iovino

A funeral Mass was held April 1 in St. Peter's Church, Malden, for Bernard A. Iovino, 79, of Burlington, who died March 27. Mr. Iovino was a painter at Lincoln Laboratory from 1963 until his retirement 10 years later.

He is survived by his widow, Elizabeth Caruso Iovino; two daughters, Lucille R. Marshall of Malden and Joyce L. Maresco of Everett; a son Leonard V. of Malden, and four grandchildren.

#### Herbert Sherman

Dr. Herbert Sherman, 66, of Lexington, a member of the Lincoln-Laboratory staff from 1952 until his retirement in 1976, died of cancer on March 24. Following his retirement from MIT, he was associated with the Harvard Medical School and Harvard School of Public Health.

He leaves his wife, the former Esther Berger; two sons, Stephen of Houston, and Richard of Jerusaleum; a brother, Jonah of Poughkeepsie, N.Y.; five grandchildren, and three great-grandchildren.