Massachusetts Institute of Technology



December 18, 1985 Volume 30, Number 16

Faculty meeting

A regular meeting of the faculty will be held today (Wednesday, Dec. 18) at 3:15pm in Huntington Hall (Rm 10-250). On the agenda are two resolutions:

-To call on the Corporation to divest of all holdings in firms doing business in or lending to South Africa.

-To endorse the goals of the Association of Concerned African Scholars Campaign to have the TIAA/CREF divest from South Africa related holdings.

Explanatory documentation has been circulated with the Call to the meeting.

Keep this paper

The Timetable for the first three days of Independent Activities Period (January 6-8) as well as pre-IAP events appears as an adjunct to the Institute Calendar this week. Students should save this paper because only a limited supply will be available when IAP begins.

The January issues of Tech Talk will carry subsequent IAP Timetables. The deadline for listings in the January 15 and 22 issues is Wednesday, Jan. 8. All listings are coordinated by the IAP Office, Rm 7-108. Only new or changed listings need to be submitted. Listings independently sent to Tech Talk will not be accepted.

The IAP display in Lobby 7 will carry daily updates to the Timetable.



Welcome, 1990

Early action has been completed in the Admissions Office on the Class of 1990 and the admit list is available there (Rm 3-108) for students to consult before leaving for Christmas Vacation.

"Present students are our best ambassadors to potential future students, Michael C. Behnke, director of Admissions, said. "They know what going to MIT is like and can give a personal evaluation to high school students making their college decisions."

Altogether 421 offers of admission to the Class of 1990 were sent. The students were selected from 1,026 applicants seek ing early admission. Thirty-five per cent of those admitted were women and five and a half per cent were minority candidates.



MIT's Franco Modigliani accepts the Alfred Nobel Memorial Prize in Economics from Sweden's King Carl XVI in a ceremony December 10 in Stockholm. Professor Modigliani, whose laurels this year include the James R. Killian Jr. Faculty Achievement Award, will present two Killian lectures at MIT on April 2 and 9. -AP/Wide World Photo

Donations brighten future of library

Maria "Minky" Seromo, the South African intern Tech Talk featured in its November 20 issue, is overwhelmed with the donations she has received for a library she will open upon returning home.

Contributions have come from readers who want to help her raise funds for a children's library she will begin in the black township of Mamelodi. Mamelodi is in the South African province of Pretoria.

"There was no literature, no useful books," she remembered of the library there that was closed during riots in 1976. "We blacks have no money to buy books. We're referred to as not having a love for reading. But I do not see this as becoming possible when we are not exposed to good literature to give us a clear and full insight of reading," she said.

The Fulbright Scholar, who left MIT last week after completing an internship at the Science Library, wants a building to house the library, but she noted that she may be forced to start a personal collection in her house and in the future raise more funds.

"I want black children to learn to develop a love for literature. I also want black children to learn to read leisurely on their own, be exposed to books at an early age to open the way for their future usage of literature. I was not exposed to good literature-I learned the hard way.' Although most donations are coming from the MIT community, Ms. Seromo said a Harvard library staffer wants to set up a clearing house there where the Harvard community can contribute to the fund also. Even though Ms. Seromo left Boston last week, donations may be forwarded to Julian W. Green, head of the Science Library, or Hope E. Brand, secretary, Rm 14S-132 (x3-1294).

New honors for two: Dresselhaus is Institute Professor

Dr. Mildred S. Dresselhaus, Abby Rockefeller Mauze Professor of Electrical Engineering and Physics, has been

President Paul E. Gray and Professors Mary C. Potter and Arthur C. Smith, the present and past chairmen of the

faculty. The title of Institute Professor is an honor bestowed by the faculty and administration on a colleague for distinguished accomplish-

ments in scholarly, educational, service and leadership pursuits. There are usually no more than 12 active Institute Professors on the faculty. The appointment of Professor Dresselhaus brings the active number to 12, in addition to Dr. Edwin H. Land, who has been a Visiting Institute Professor for many years. There are also 17 Institute Professors Emeritii. Professor Dresselhaus will become the first female Institute Professor.

Professor Dresselhaus has focused her scholarly attention on electronic, optical and

magneto-optical properties of semiconductors and semimetals. Her recent work has concentrated on graphite intercalation compounds, named an Institute Prographite fibers and the modification of elecfessor. Her selection was tronic materials by intercalation and implantaannounced jointly by tion

With a national reputation as an educator and leader in developing wider opportunities for women in science and engineering, Professor Dresselhaus has also been a champion for women at MIT. Her first appointment to the faculty was as Abby Rockefeller Mauze Visiting Professor in electrical engineering in 1967. The professorship is reserved for the appointments of distinguished women scholars who will encourage advancement of women in the professions, industry and the arts.

Professor Dresselhaus was a founder of the MIT Women's Forum which began as an IAP seminar to explore the roles of women in science and engineering. It was so successful that it has continued ever since, focusing now on the broad range of issues of interest to all women at MIT. For a number of years she also led a freshman seminar in engineering, which, though designed to build confidence in young women, drew a large audience of both sexes. Professor Dresselhaus became a permanent

member of the faculty in 1968 and now holds (continued on page 8)

AS president Widnall to be A

A new honor has come to Sheila E. Widnall, professor of aeronautics and astronautics at MIT.

Dr. Widnall, known internationally for her work on the problem of aircraft turbulence, will become president-elect of the American Association for the Advancement of Science (AAAS) on May 31, 1986, immediately following the AAAS's annual meeting in Philadelphia. The AAAS is the

world's leading general scientific organization,

with some 136,000 individual members and 285 affiliated scientific and engineering societies and academies of science. It publishes

Sponsored campus research at MIT in fiscal 1985 increased 9.1 per cent over fiscal 1984, with the Department of Energy maintaining its number one ranking among campus research sponsors, Budget Director Robert M. Dankese reports.

In his annual report, Dankese puts the total ampus sponsored programs research volume for the year ending June 30, 198', at \$241,725,000-an increase of \$20,144,000 over the fiscal 1984 volume of \$221,581,000.

the weekly journal, Science, and the popular science magazine, Science 85. Professor Widnall was elected in balloting

among association members conducted in September and October. She has served as a member of the AAAS board of directors since

Dr. Widnall will be the fifth woman president of the AAAS, and only the fourth engineer elected to head the association in its 137-year history

A member of the MIT faculty for 21 years, Professor Widnall was the first MIT alumna appointed to the faculty in the School of Engineering and the first woman chairman of the MIT faculty, a post she held in 1979-80. Professor Widnall received the SB and SM

from MIT in 1961 and the ScD in 1964, the same year she joined the faculty. She became (continued on page 8)

Research funds rose 9.1 per cent in FY '85

The report also contained these highlights: -The largest growth in campus research again was in industrial support, which increased 20.8 per cent over the previous year.

-MIT's dependence on federal support for its total campus research has decreased to 78.6 per cent from 85.6 per cent in fiscal 1979. For each of the years during that period, Dankese said, the Department of Energy has led all other research sponsors.

The report disclosed that the rankings of



First Nighters

Eight artists from MIT will be at the heart of Boston's "First Night," a na-tionally celebrated citywide New Year's Eve festival observing its 10th year. Otto Piene, director of the Center for Advanced Visual Studies, will be artistic director for "Zodiac," an installation of earth, air, fire and water, to be created in Boston's City Hall Plaza (Government Center stop on the T). It involves two CAVS artists: Paul Earls, with laser projections and amplified music, and Joan Brigham, working in steam. Volunteers are needed for this project (Call 424-1699). Three video events will be given by CAVS fellow Vin Grabill, by Sarah Geitz '85 graduate in the Master of Science in Visual Studies program, and Bill Seaman, also MsVs '85, working with MsVs candidate Ellen Sebring. MsVs student Laura Knott will present a dance event and "The Burning Fiery Furnace" will be presented by the John Oliver Chorale led by the MIT senior lecturer in music.

Guides listing the schedule and locations of First Night events are available by calling the number listed above.

otal Lincoln Laboratory research volume for fiscal 1985 was \$264,483,000, an increase of \$23,990,000, or 10 per cent, over the fiscal 1984 volume of \$240,493,000. (A substantial portion of Lincoln research is sponsored by the federal government, and most of that by the Department of Defense.)

In terms of constant dollars, campus research increased by 5.1 per cent and Lincoln Laboratory research by 6 per cent between fiscal 1984 and 1985. It was the second consecutive year of real growth for campus research, and the third year for research at Lincoln.

the five largest campus spons same in fiscal 1985 as in 1984. The top five, with comparative totals for 1984 in parentheses, were:

1. Department of Energy, \$56.4 million (\$51.5 million).

2. Department of Health and Human Services, \$40.3 million (\$36.3 million)

3. Department of Defense, \$38.6 million (\$34.6 million).

4. National Science Foundation, \$33.7 million (\$30.9 million). 5. Industry, \$33.5 million (\$27.7 million).

Kudos to high school teachers bring return thanks

"I think I must feel as good as does your latest Nobel Prize winner!"

So began a recent thank-you note to Admissions Director Michael C. Behnke who has received about a dozen such notes from high school teachers across the nation.

Each summer the Admissions Office conducts a "cancellation study," sending questionnaires to all admitted students asking reasons for why they will or will not be entering MIT in the fall. The questionnaire includes an entry asking the student for the name of a teacher who has been influential in his/her development.

This year Mr. Behnke began sending congratulatory notes to the teachers mentioned, saying "... More importantly, we thank you for the time, patience, expertise, love, discipline and all the other qualities which have had such an important impact on your students..

The teacher above ended her note by saying '[Your letter] has given me a fresh look at my profession and a renewed energy to love and to cherish those sometimes rambunctious beings who will all too soon have to run a world which will test their mettle and their values.'

Another teacher wrote to say "If this is a new practice, please continue it. If there is any way that you can spread this type of action to other colleges, please do so.

"At this time, good public school teachers need this type of encouragement just to maintain a good hold on the perspective of what we are actually doing.

Mr. Behnke says the Admissions Office plans to continue the new practice.

"Pressures on teachers are increasing everywhere. We hope to do anything we can to assure them that we appreciate their efforts.

INSTITUTE NOTICES

 Open to public
Open to MIT Community only ** - Open to MIT Comments only

Announcements

Registration Material for Second Term - Due in Registrar's Office, Rm E19-335, Fri, Dec 20.

International Students - If planning to go home for the holidays, or taking a trip outside of the US, remember to request your travel documents at least two weeks in advance. To re-enter the US you will need a passport valid for six months in to the future, a valid consular visa stamp (entry visa obtained from a US Embassy or Consulate) and a Form I-20 and I-20 ID Card (F-1 Students) or a Form IAP-66 (J-1 Students). Come to the International Student Office, Rm 5-106, for more information

International Students - As a member of the Greater Boston International Careers Consortium, MIT will collect your resume and send it to the Chamber of Commerce branch in your home country for further distribution to the Chamber's members, both local companies and locally-based divisions of US multina tionals. Interested companies will then contact you directly if your qualifications meet their needs. Resumes will be sent out by January 7 to the overseas Chambers of Commerce. To see if there is a branch in your home country and to request that a copy of your resume be sent, come into the Career Services Office, Rm 12-170, before January 7 to pick up a resume release form and to obtain the address of the ICC representative

Minnesota-Bound for the Holidays - The alumni club in Mpls-St. Paul invites members of the MIT community to their annual Omnitheater Show and Reception, Sun, Dec 29, 3pm. For info, call Alice Campbell, 612-291-6181(w) or Steve Pratt, 612-378-4862(w) or 374-1444(hm), before Fri, Dec 21.

Serials in the MIT Libraries, 26th Ed - Microfiche listing published, three times a year, of approximately 22,000 titles in cludes information on holdings, dates, call numbers, and title changes. The 26th edition contains over 300 new titles and is published in two section: 1)an alphabetical list (8 fiche) and 2)a keyword index (8 fiche). *Prepayment required*. Price: \$20; \$5/MIT staff and students. Send check payable to MIT to Office of the Director, Rm 14S-216.

Project Contact - Undergraduates interested in communicating with high school students and guidance counselors about what it's like to be an MIT student are encouraged to join Project Contact. For more contact the Educational Council Of fice, Rm 4-240, x3-3354.

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 desk

Rune - The magazine of arts and literature at MIT is now ac cepting submissions of prose, poetry and graphics for its 11th anniversary issue. Three copies of written submission may be sent to *Rune*, Rm 14E-310. Special arrangements for pick-up of (x5-6563 dorm). All work will be returned if requested. Deadline: Feb 23, 1986.

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.

Club Notes

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

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

Human-Powered Vehicle Association* - New England Chapter meets Thurs, 8pm, Bicycle Exchange, 3 Bow St. Har-vard Sq. Come help plan an HPV workshop for IAP '86.

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 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 dorm.

MIT Tae Kwon Do Club** - Tae Kwon Do is a Korean mar-tial art. Meetings Sundays, 4pm, T-Club Lounge; Mon-Wed, 6pm, Burton Dining Hall; Fri, 6pm, T-Club Lounge. For info call In Ho Kim, 266-2827.

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 Dec 22, 10am; Tues, Dec 24, 11:30pm (No Masses Dec 29 or Jan 1); Suns, 9am, 12noon, 5pm resumes Jan 5; Weekdays: T/Th: 5:05pm & Fri 12:05pm (until Dec 20; resumes Jan 7). All Masses in MIT Chapel. Chaplaincy Office: x3-2981.

MIT Hillel Shabbat Services* - The Kosher Kitchen will serve dinners through Thurs, Dec 19; it will reopen on Mon, Jan 6.

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.

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, congregation at 12:55pm.

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 Rm 491; small group meetings for Bible Study and support, weekly ly at different times. For more info, call Chiu-Oan, x5-6123 dorm

MIT Graduate Christian Fellowship* - Come meet other Christian faculty, staff and grad students, Tech Sq Prayer Meeting, Tues, 1:30-2pm, Rm NE43-368; weekly lunch gather-ings, Weds, 11:55-12:55, Student Ctr Twenty Chimneys. For ination contact Burt Kaliski, x3-5866 or Roz Wright, x3-8926 A fellowship group also meets Weds, 7:30am, Rm E51-307.

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, sing-ing, 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, x3456 Linc.

Noon Bible Study* - Every Wed, Rm E17-109, bring lunch. Ralph Burgess, x3-2422. (Since 1965).

Edgar Cayce Study Group* - Tuesdays, 6:30-9pm, Edgar Cayce'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 information.

Fulbright Collaborative Research Grants, 1986-87. Designed for teams of 2-3 graduate students or recent post-graduate researchers to perform joint research abroad. Applicants must be US citizens, hold a BA or equivalent before the beginning date of the grant. Those with a PhD at the time of ap-plication may have obtained the degree no earlier than June 1983. Applicants are expected to have written and spoken proficiency in the language of the host country. Application deadline: December 20, 1985. For more information, contact Dean Eugene R. Chamberlain, Rm 5-106, x3-3795.

National Graduate Fellowships in the Arts, Humanities and Social Sciences. The Dept of Education announces the availability of applications for the 1986-87 National Graduate Fellows Program. Eligibility open to seniors who will begin graduate studies by September 1986 or currently enrolled graduate students "with expressed intent of obtaining a doc-torate" in the following fields of study: architecture, dramatic and creative arts, fine arts, music, the humanities, or the social sciences. Applicants must be US citizens or permanent residents or persons in the process of becoming citizens or permanent residents. Awards are made up to \$10,000 based on need and the institution in which the fellow is enrolled may receive up to \$6,000 to cover costs associated with tuition and fees. Applications must be postmarked by December 20, 1985. Applications can be obtained by writing to: US Dept of Education, National Graduate Fellows Program, PO Box 44367, L'Enfant Plaza Station, Washington, DC 20026-4367

will be renewed on a yearly basis for the duration of the graduate program, provided the student maintains satisfactory progress toward the doctoral degree. Applications must be received by January 15, and all supporting material by January 31, 1986. Two fellowships and four grants are awarded annually in late March for graduate study beginning in September. Applications are usuallly submitted during the candidate's se year in college

The Josephine de Karman Fellowship Trust of Pasadena, Calif. Twelve fellowships of \$3,000 each for the regular academic year (fall and spring semesters, or the equivalent where the quarterly system prevails) paid through the office of the university in which the candidate will be enrolled for study in the US. Study must be carried out in the US and all funds must be expended only within this country. Students in any discipline who are entering their senior undergraduate year or graduate students entering their third year or after of graduate school in the fall of 1986 are eligible. Postdoctorate students are not eligible. Special consideration will be given to applicants in the humanities. Foreign students already enrolled in a univers ity located in the US are eligible. Tenure is for one academic year and is not renewable. Travel expenses are not included. For information and application forms, write to: Fellowship Committee, ATTN Miss B.J. Brown, Secretary, Josephine de Karman Felloswhip Trust, PO Box 446, La Verne, CA 91750 on or before January 15, 1986. Announcement of awards will be made during April 1986.

US Navy Office of Naval Research Graduate Fellowships Approximately 45 three-year Fellowships available for 1986-87, awarded for study and research in the following nine disciplines: electrical engineering, computer science, naval ar chitecture and ocean engineering, materials science, applied physics, aerospace/mechanical engineering, life sciences and mathematics. These renewable fellowships have a 12-month tenure and pay full tuition and fees plus a stipend of \$13,000. Applicants must be US citizens who will receive their bac-calaureate degree in 1986. Deadline: January 31, 1986. For applications, write: American Society for Engineering E 11 Dupont Circle, Suite 200, Washington, DC 20036 ering Education

Walter S. Barr Fellowships. Awarded by the Horace Smith Fund for advanced study or research. Fellowships are limited to residents of Hampden County, MA, who have been or about to graduate from college. Candidates should be preparing for careers of "definite social usefulness," such as careers in politics or scientific research. The GRE Aptitude or other appropriate professional school aptitude test is required of applicants. Min-imum award is \$1,500. Deadline: February 1, 1985. Apply to: The Secretary, The Horace Smith Fund, Box 3034, Springfield, MA 01101.

Howard Heinz Endowment Office Research Grants on Latin American Issues. To interdisciplinary teams with at least one political scientist and/or economist. Also, one team member must be based at an institution located within the Commonweatlh of Pennsylvania. Information and application Marty Muetzel, Howard Heinz Endowment, 301 Fifth Ave, Pittsburgh, PA 15222, 412-391-5120. All applications must be submitted no later than February 14, 1986; awards announced by July 1, 1986.

enian General Benevolent Union (AGBU) Hirair & An-Arm na Hovnanian Fellowships - two fellowships, each in the amount of \$3,000 given annually to assist Armenian American students specializing in government, international affairs, or in ternational law. Applicants must be graduate students with high academic standing. Written requests for application forms must be submitted to the Armenian General Benevolent Union, 585 Saddle River Rd, Saddle Brook, NJ 07662 (tel: 201-797-7660) by February 15. Decisions will be communicated to the applicants during July.

Other Opportunities

The Whitaker Health Sciences Fund. Research awards for graduate students and faculty – approximately five fellowships (plus five renewals) for MIT doctoral students, as well as two Whitaker College of Health Sciences, Technology, and Manage ment fellowships (plus two renewsls), and one Harvard-MIT Division of Health Sciences and Technology fellowship (plus two renewsls). MIT fellowship applications should be submitted to the Dept's Representative for the Committee on Graduate School Policy; Whitaker College fellowship applications to Dr. Emilio Bizzi's office (E25-526); the Harvard-MIT HST Division fellowship applications to Prof Kenneth A. Smith's office (3-240) by February 1, 1986. All renewal applications should be sent directly to the Whitaker Health Sciences Fund Office (E25-501) Fellowship awards will pay a \$800/month stipend, plus a full year's tuition beginning September 1986. In addition, 31 faculty research grants in the amount of \$40,000 (excluding overhead) will be awarded to young investigators in the biomedical sciences as follows: 11 MIT faculty research grants (submit ap-plications to the respective department head by February 1); 9 Harvard Medical School/MIT collaborative faculty research grants; 7 Boston University School of Medicine/MIT col-laborative faculty research grants; 4 Tufts University School of Medicine/MIT collaborative faculty research grants (submit ap plications to the respective chief of the teaching hospital/medial school department by January 15, 1986). For further informacontact the Whitaker Health Sciences Fund Office, Rm E25-501, x3-7878.

Mellon Fellowship Program, 1986. The Program in Science, Technology and Society at MIT invites proposals from scientists, engineers, and physicians for several one year study fellowships on the relationships of science, technology, or medicine with society. PhD or equivalent in science or engineering is desirable. Partial or full stipend. For more information write: Deborah Wilkes, Mellon Fellowship Committee, Rm E51-128. Deadline: February 1, 1986

Department of Energy-Sponsored Activities. Administered by Oak Ridge Associated Universities: Faculty Research Participation Program - summer appointments which provide support for collaborative participation in ongoing energy research and development at designated DOE facilities. Stipends or salaries are based on the university salary of the applicant. Undergraduate Student Research Participation Program – summer appointments to participate in ongoing energy research at designated DOE facilities. Participants paid on a weekly stipend. Graduate Student Research Participa-tion Program – supports summer research in fossil energy technologies at the Pittsburgh, Penn. and Morgantown W. Va Energy Technology Centers for beginning graduate students. A weekly stipend will be provided. Applications for the above are due January 20, 1986. Magnetic Fusion Energy Technology and Magnetic Fusion Science Fellowships and the Nuclear Engineering, Health Physics, and Radioactive Waste Management Fellowships - Competitive fellowships awarded to students for graduate study and research at designated universities in magnetic fusion energy technology, applied plasma physics, nuclear engineering, health physics, and radioactive waste management. The practicum is at a DOE research facility. The basic student stipend for both fellowships is \$12,000 annually plus fees and tuition. The deadline for these fellowships is January 27, 1986. To request application mater als or more information, contact the University Programs Divi sion, Oak Ridge Associated Universities, PO Box 1127, Oak Ridge, TN 37831-0117, (615) 5765-3255.

1.2.2.1

Internships Offering a Stipend:

Center for Space Policy, Inc in Cambridge has eight internships available, three are paid positions. Students selected for the paid positions are usually completing Master's work with some relevant experience. Each intern is assigned to an analyst specializing in one of the following areas: space station; civil and national defense; telecommunications; technology assessment; venture financing; materials processing in space; remote sens ing; and artificial intelligence and robotics

Massachusetts Fair Share has full time, part time and tempo-rary positions available. Their current campaigns are: to in-crease voter participation in the state; to prevent dioxin poisoning as a result of planned incinerator, and to work for the im-plementation of toxic waste legislation.

Student Jobs

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

One or more part-time editorial assistants needed to help prepare papers, class notes, and text material (including equa-tions), using augmented WordStar text processing. Also Basic programming for bibliographic searching. Leave resume with Professor Frank A. McClintock, x3-2219, Rm 1-304. Hours and salary negotiable.

ne familiar with PC's to transfer files from Xerox PC to BM PC and to optimize World Star and other office-related soft-ware. In addition, if time permits, to carry out work on a terminal connected to VAX system (i.e. electronic mail) 10 hrs/wk \$5.50/hr negotiable upon experience. Contact Carolyn, x3-0573, Rm 39-527

Opthamology Dept at Boston University School of Medicine seeks someone familiar with electronics or computer engineering to work with opthalelectronic instruments. Familiarity with PASCAL and Basic helpful. Hours between 8/wk and full-time; salary negotiable. Contact Susan Oak, BU School of Medicine, Dept of Opthamology, 638-4565.

Laboratory assistant needed for Center for Blood Research, working with blood sampling, labelling test tubes, aliquoting Working with blood sampling, indening test target, and the set target and the set of the Boston, MA 02115, 731-6470, x103.

UROP

MIT and Wellesley undergraduates are invited to join with faculty members in pursuit of research projects of mutual fascination. 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, Rm 20B-141.

Dept of Earth, Atmospheric and Planetary Sciences. especially for people looking for interesting thesis project. Pro jects include studies of: 1)Drought and tropical general circula-tion; 2)Statistical climate forecasting, and 3)Atmospheric and ocean interaction. Seeking students who are motivated, enthusiastic, and interested in learning more about meteorology thusiastic, and interested in learning more about meteorology (no knowledge of experience in meteorology required). Some knowledge of FORTRAN programming would be helpful, but willing to train. PAY or credit. Cant start immediately. Con-tact: Prof Reginald Newell, x3-2940, Rm 54-1522.

Music Navigation System for the Blind. Student(s) with some electronic/audio experience (even as a hobby) to help develop system wherein loudspeakers strategically placed in a complex building will play a tune, one speaker after another, to guide blind people to different points in the building. Credit only, spring term. Possible extension pay or credit for full-time summer to ensue to build a "hardened" working model. Faculty supervisor: Lindsay Russell, ME Dept, Kendall Sq Bldg

Vehicle Routing. One or two UROPers needed to get involved in an ongoing project in vehicle routing sponsored through the Office Naval Research. The basic goal of the project is to develop a fast accurate heuristic for a very complex large scale ship routing problem. In addition, we intend to incorporate features in the heuristic so as to allow interactive user/machine scheduling. Experience needed: Knowledge of PASCAL programming, some background in operations research or management science. 10 hrs/week. PAY or credit. Contact: Prof James B. Orlin, 3-6606, Rm E53-357.

Analogic System for Composite Moding in ME Lab of Manufacturing Productivity. Seeking an electrical engi-neering student with IBM XT. Some knowledge with "C" language or BASIC helpful, as well as some hardware experience. IAP/Spring. PAY or credit. Faculty supervisor: Timothy Gutowski, x3-2034, Rm 35-014. Contact: Zhong Cai, x3-5371.

Optical Pulse Compression Using Gratings. Ultra-fast spec-troscopy is an important and exciting field of research in chemistry, solid state physics, and electrical engineering. Currently, the shortest pulses of light obtainable are usually pro-duced by compressing chirped laser pulses with a pair of dif-fracting gratings. However, the minimum compressed pulsewidth obtainable by this scheme seems to be fundamental-ly limited by geometrical abbreviations caused by the grating pair. UROPer (EE or Physics at junior/senior level) with a strong math background needed to perform an analysis of pulse compression using gratings, and possibly help suggest alternate schemes. Possible thesis topic. Credit only. Faculty supervisor: Prof J.G. Fujimoto, x3-8528, Rm 36-345. Contact: Stuart Bror son, x3-8908, Rm 36-347.

Cognitive Psychology. One or two students needed in cognitive psychology experiments investigating perceptions and processing of words, sentences and pictures. Strong interest in processing of words, sentences and pictures. Strong interest in cognitive psychology required. Background in linguistics and/or programming in PASCAL helpful. May continue into summer. PAY or credit. Faculty supervisor: Prof Mary Potter, x3-5526, Rm E10-032. Contact: Linda Lombardi, x3-5756, Rm E10-033.

ee (SCC)** Student Center Comn 7pm, Student Ctr Center Lounge. Do you? Call x3-3916 anytime for more info

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

MIT/DL Bridge Club* - Duplicate bridge, Tues, 6pm, Student Center Rm 349, except 12/24 and 12/31. ACBL masterpoints awarded; come with or without partner, newcomers always welcome. Special tournaments monthly. Info call Gary Schwartz, x8-2459 Draper, or Mark Dulcey, 272-8428. Admission: \$.75/students, \$1.50/non-students

MIT Table Tennis Club** - Meets Fri, 8-10pm; Sat, 6pm, Tlub Lounge. Info: Hoang Do, x3-2843

MIT Go Club** - Meets M/Th, 5-7pm, Rm 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 wood-working 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 Kun-dalini Yoga, the science of awareness, M.Th, 5:10-6pm, outside Burton Dining Hall. Beginners welcome. Info: Fred Martin or Jeff Tollaksen, 247-0506 or x3-3157

MIT Aikido Club** - meets Mon-Fri, 5:30pm, DuPont exer-Aikido is a non-competitive Japanese martial cise room. discipline. Beginners welcome.

Page 2, Tech Talk, December 18, 1985

Fulbright Scholar Awards 1986-87. The Council for International Exchange of Scholars (CIES) has announced the opening of competition for the 1986-87 Fulbright scholar awards in research and university lecturing abroad. The basic eligibility requirements for a Fulbright award are US citizenship, PhD or comparable professional qualifications, university or college teaching experience, and for selected countries, proficiency in a foreign language. Application deadlines: Dec 31, 1985 for NATO Research Fellowships; and Feb 1, 1986 for the seminar in German civilization, Spain Research Fellowships, and France and Germany travel-only awards. For more information, contact Dean Eugene R. Chamberlain, Rm 5-106, x3-3795.

The Business and Professional Women's Foundation's Lena Lake Forrest Fellowship Program and the BPW Foundation Research Grant Program. To support research pertaining to economic, educational, political, social or psychological factors affecting working woman. Awards range from \$500 to \$3,000. Applicants must be doctoral candidates or postdoctoral scholars whose proposal for research has been ap-proved by an accredited graduate institution. Only US citizens are eligible. Application deadline: January 1, 1986

Bell Laboratories Graduate Research Programs for Women. Provides financial support for outstanding women students pursuing full time doctoral studies in the following fields: chemistry, computer science, economics, electrical engi neering, experimental human psychology, materials scien mathematics, operations research, physics, and statistics. The Fellowship Program provides full tuition and fees plus a sti-pend of \$925/month for the academic year (9 months) plus an allowance for books, fees and related travel expenses. The Grant Program provides an annual award of \$1,500 which the recipient may use during the academic year in any way that benefits her professional development. Fellowships and grants

International Opportunities

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

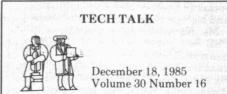
TAI (Tusas Aerospace Industries, Inc.) in Ankara, Turkey see Turkish nationals to work at a new aerospace factory which is being constucted near Ankara. They seek people to fill positions in the areas of manufacturing; quality assurance; finance; contracts and estimating; industrial relations; procurement; computer services and management information systems.

Internships

The following is the list of internships received this week. For ine officient of the last of the instruction of the instruction of 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 Services Office.

Resource Extraction Lab. Seeks one or two students to help gather and analyze data from lab experiments. No experie or specific education is required, but we are especially looking for people who want to learn about laboratory work. Tasks will include learning to operate hydraulic systems, running experiments, and learning to use a computer for data acquisition and analysis. Freshmen may apply. Faculty supervisor: Prof M.E. Cleary. Contact: Rich or Jim, x3-2318, Rm 1-008.



Tech Talk is published 35 times a year by the News Office, Massachusettis Institute of Technology, Assis-tant Directors: China Altman, Charles H. Ball, Robert C. Di Iorio, Joanne Miller, Tech Talk editor, and Calvin D. Campbell, photojournalist; Editorial Assistant: Sharon Davis; Reporter: Lynn Heinemann(Institute Calendar, Classified Ads, Insti-tute Notices) tute Notices).

Address news and editorial comment to MIT News Office, Room 5-111, MIT, Cambridge, MA02139, Telephone (617) 253-2701.

Mail subscriptions are \$18 per year by first class mail. Checks should be made payable to MIT and mailed to Business Manager, Room 5-113, MIT. Cambridge, MA 02139.

Weitzman named to Mitsui chair

Dr. Martin L. Weitzman, a leading economic theorist and professor of economics at MIT,



the Mitsui Professorship in Problems of Contemporary Technology for a five-year term, effective January 1, Provost John M. Deutch has announced.

The Mitsui chair was established in 1974 through a gift of \$1 million from the 30 companies of the Mitsui Group of Japan, one of the world's leading industrial enterprises. Its

interests include manufacturing industries, mining, trade, commerce and banking.

The objective of the professorship is to encourage cultural and technological exchange between the United States and Japan. This is accomplished, in part, through visits by the chairholder to Japan to present lectures and to participate in seminars and conferences, and by visits to MIT by Japanese scholars, scientists and engineers.

Dr. Weitzman, the third holder of the chair, succeeds Dr. Michael J. Piore, professor of economics. The first Mitsui professor was the late Carroll L. Wilson, professor in the Sloan School of Management.

Dr. Weitzman, 43, gained widespread recognition in 1984 for his book, The Share Economy, which argues that a profit-sharing system that links pay to corporate performance could be better for American industry and its workers than the traditional wage system.

Born in New York City, Professor Weitzman received a BA degree in mathematics and physics in 1963 from Swarthmore College, an MS in statistics and operations research from Stanford University in 1964 and the PhD in economics from MIT in 1967. He was a research staff member at the Cowles Foundation in 1967-72 and an assistant and later associate professor of economics at Yale University from 1967 to 1972.

Dr. Weitzman came to MIT as associate professor of economics in 1972 and was appointed professor in 1974.

Professor Weitzman has been a consultant to the World Bank, International Monetary Fund, Agency for International Development and Canadian Royal Commission on Unemployment. He is an associate editor of two professional journals, the Journal of Comparative Economics and Economics Letters.

He has received numerous honors, fellowships and scholarships. He was a National Science Foundation Fellow in 1963-65, a Woodrow Wilson Fellow in 1963-64, a Ford Foundation Dissertation Fellow in 1966 and a Guggenheim Fellow in 1970-71. He has been a Fellow of the Econometric Society since 1976.

Professor Weitzman has published more than 35 articles in academic and professional journals on such topics as micro-theory, mathematical economics, comparative economic systems, economic planning, Soviet economics, economic development, the foundations of macro-theory, operations research and energy economics.

Dr. Weitzman lives with his wife, Dorothy, and daughter, Rodica, in Newton.

Arms control grants announced

Twelve awards have been made from the John D. and Catherine T. MacArthur Foundation grant to MIT to promote faculty and student research and study on problems of international security and arms control.

The awards were made primarily to support research by individuals whose previous work had not been focused on security and arms control matters. Most awards involve graduate students as well as faculty.

The awards were made by Professor Francis E. Low, former provost, on the recommendation of a committee headed by Professor Eugene B. Skolnikoff, director of the Center for International Studies, and Professor Carl Kaysen, director of the Program in Science, Technology and Society. The 1985-86 awards were selected from a much larger number of proposals submitted by members of the MIT faculty and research staff. A second competition will be announced shortly for projects in 1986-87.

In addition to the individual projects, the grant is supporting a seminar, the members of which will include all award recipients and other members of the MIT community who work on arms control and defense issues

The 1985-86 awards support studies on the following topics:

Computer-based Teaching Models of Security Problems, Professor Hayward Alker, Department of Political Science.

Crisis Control: The Case of the October 1973

Alert, Professor Aron Bernstein, Department of Physics. Teenagers' Reactions to the Threat of

Nuclear War: Comparative US-USSR Study, Dr. Eric Chivian, Medical Department.

Comparative Study of Media Coverage of Security Issues, Professor Edwin Diamond, Department of Political Science.

Arms Control Issues Relating to the Oceans, Professor Ira Dyer and others, Department of Ocean Engineering.

Nuclear Test Detection: Understanding Technical Data, Professor Thomas Jordan, Department of Earth, Atmospheric and Planetary Sciences.

The Impact of War on Social Development in the Middle East, Professor Philip Khoury, Department of Humanities, History Section.

Approaches to Curbing the Arms Race in Space: Alternate Roles for Skilled Technical Personnel, Professor Jean Louis, Department of Aeronautics and Astronautics.

The Future of the Test Ban Treaty, Dr. Marvin Miller, Department of Nuclear Engineering.

Impact of Interservice Rivalry on US Arms Control Policy, Professor Harvey Sapolsky, Department of Political Science.

The Trustworthiness of Command and Control Systems, Professor Thomas Sheridan, Department of Mechanical Engineering.

Economic Development: Arms Spending and the Arms Trade, Professor Lance Taylor, Department of Economics.

Kanwisher wins MacArthur fellowship

Can the concepts of psychology and other academic disciplines not directly related to

international security contribute to world peace? The Social Science Research Foundation in New York believes that they can, and has selected Nancy G. Kanwisher of MIT as one of 23 postdoctoral and advanced graduate students from diverse academic backgrounds to receive the first Mac-Arthur Foundation Fel-



Ms. Kanwisher, the daughter of John W. Kanwisher, an animal physiologist associated for many years with the Woods Hole Oceanographic Institution, received the SB in biology at MIT in 1980. She decided to do her graduate work in psychology, she said, because she wanted to study and think about the human organism in a larger framework.

Kelly competition is open for papers

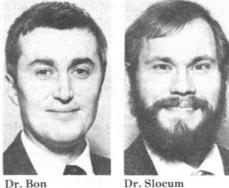


Walter L. Milne, assistant to the chairman and the president, headed up a successful MIT effort to raise money for the Salvation Army last Friday. The project, sponsored by the Cambridge Rotary of which Mr. Milne is a member, was a competition between MIT and Central and Harvard Squares. MIT was victorious, raising \$796.89, as opposed to \$727.01 at Harvard Square and \$605.99 at Central Square. Besides Mr. Milne, the energetic volunteer bell-ringers at MIT included Joan Legros, Susie Kendall, Charlotte Layman, Marsha Edmunds, Sue Crowley, Leslie Barton, Jane Shapiro, Audrey Bell, Leslie Cariani, John McCrea, Mark Barnard, Ron Suduiko and Sandy Nett. -Photo by Calvin Campbell

Two named Macomber Professors

Dr. Ranko Bon, assistant professor in the Department of Architecture, and Dr. Alexander H. Slocum, assistant professor in the Department of Civil Engineering, have been named the first George Macomber Career Development Professors in Construction Management.

The appointments were announced by John M. Deutch, provost and Arthur C. Cope Professor of Chemistry. The chairs were endowed by George Macomber '48, president of the George B.H. Macomber Co. of Boston. They were established in the architecture and civil engineering departments to address fragmentation, one of the key problems in the construction industry



Professor Bon joined MIT as assistant professor of economics in architecture in 1983. Before that he was an assistant professor of economics at Northeastern University from 1980-83, a lecturer in economics at the University of Massachusetts from 1979-80, lecturer of urban studies and planning at MIT from 1979-80 and scientific counselor, Urban Planning Institute of Slovenia, Ljubljana, Yugoslavia from 1975-79. He also taught introduction to Architectonics at the Boston Archiin 1985, all in mechanical engineering from MIT.

At NBS, he proposes, plans, organizes and conducts research and development of Computer Numerical Control mechanical devices for use in the NBS Automated Manufacturing Research Facility. His projects includes the Computer Numerical Control (CNC) double hand robot gripper, three axis CNC fixturing device for use on machining centers, five axis robotic micromanipulater and precision fixturing system for diamond turning machines.

Professor Slocum is a member of the American Society of Mechanical Engineers, Society of Manufacturing Engineers and American Society of Civil Engineers and the American Society of Metals. His interests are in precision machine tool and robot design, and systems automation. As a result of his work in these areas, he has eight patents pending.

Candidates sought for vice presidency

President Paul E. Gray has asked the MIT community to help in the important search for a successor to Professor Samuel A. Goldblith as vice president for resource development.

It was announced in October that Professor Goldblith was stepping down from the post he has held for seven years.

President Gray said the Institute is seeking a person who can bring to the position a very special combination of talents, energy, and understanding of MIT's needs and potential.

"We are beginning this search within our own community," President Gray wrote in a memorandum sent to faculty members. "I will welcome applications from within MIT and suggestions for able candidates known to you within the Institute or outside, especially persons with the right qualifications who

Dr. Bon

lowships in International Security.



The program's premise is that research in international security requires a broader set of concepts than has been applied to the subject until now. Thus, Dr. Kanwisher, a psychologist, is representative of the researchers chosen for new training outside their fields. They come from such disciplines as the social and behavioral sciences, the physical and biological sciences, and the humanities.

Ms. Kanwisher, 27, who will receive the PhD in psychology from MIT in February, has specialized in cognitive psychology, which examines how the mind processes information. By extending this interest into the related domain of decision-making, she will focus on trying to determine how world leaders make the judgments that affect international secu-

rity. "In human decision-making and problem solving," she said, "people make systematic errors. What I want to investigate is why these errors in judgment and reasoning occur, and how widespread they are in political thinking.

In the first year of her two-year fellowship she will study at Columbia University with Professor Robert Jervis, a political scientist and author of "Perception and Misperceptions in International Politics.

The Humanities Undergraduate Office has announced the opening of the 1985-86 I. Austin Kelly III Competition in Humanistic Scholarship.

The competition, now in its 12th year, offers two prizes of \$250 each for the best scholarly or critical papers in the fields of literary studies, history, musicology, anthropology or archaeology. It is open to all full-time undergraduates except previous winners.

Papers must be at least 4,000 words long (about 14 standard typed pages). Papers may be written expressly for the contest or may be from academic subjects, either as written or in revised and expanded form. Students are encouraged to consult with faculty members in preparing papers for submittal.

The final deadline is Thursday, May 1, 1986, but entries derived from fall term subjects will be accepted beginning now. The competition is administered by the Humanities Undergraduate Office.

The winning papers will be chosen by a panel of faculty judges from the disciplines represented in the competition. The prizes will be presented at a dinner attended by the winners, judges and past winners

tectural Center from 1972-73.

Professor Bon is presently working on comprehensive office building evaluation and cafeteria design and planning expert system development for the Real Estate and Construction Division of the International Business Machines Corporation. He is also a consultant to the Division of Capital Planning and Operations for Massachusetts in preventive building maintenance.

A founding member of the Philomorphs. Harvard University and the Panel on Building Economics and Industry Studies, Professor Bon is also a member of the American Economic Association, the Architectural Research Centers Consortium, Building Economics Working Commission of the International Council for Building Research Studies and Documentation.

A diplomed engineer in Architecture, Belgrade University, Professor Bon received a master's degree in City Planning from Harvard University in 1972 and a PhD in Urban Studies and Planning from MIT in June 1975.

His interests are in building economics and construction economics.

Dr. Slocum, a mechanical engineer with the US National Bureau of Standards (NBS), Gaithersburg, Md., since 1983, received the SB in 1982, the SM degree in 1983 and the PhD know MIT well."

"With the planning already begun for a major capital gifts campaign, selection of the right person becomes doubly important. The man or woman holding this position is responsible for the development program of the Institute, including the Industrial Liaision Program and the offices associated with Institute-wide development. A key task is providing direction to the professional staff of the Institute fund-raising efforts.

'The vice president must work with and coordinate the activities of all those engaged in fund raising, a complex and demanding task during a campaign, involving members of the Corporation and Corporation committees, the chairman, the president, the provost, the Alumni Association, the deans. department heads, and individual members of the faculty," President Gray said in his memorandrum to the faculty.

Applications to the President from members of the community should include a resume and a personal statement indicating the reason for the interest in the position. Suggestions of possible candidates, giving the basis for the recommendation, can also be made by letter to President Gray.

THE INSTITUTE CALENDAR

December 18-January 12

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 connected.

Simply submit announcement in writing to Rm 9-030. We prefer a day's warning, but faster action may be possible. Useful also for correcting errors, notifying about cancellations, and dealing with emergencies. Note: If you have met the Tech Talk deadline, your an-

nouncement is automatically put on cable (except for exhibits and some multimeetings programs).

Events of Special Interest

Caroling at Lincoln Lab* - Annual traditional carol sing, Fri, Dec 20, Mon, Dec 23, 12-1pm, A-B Tie Corridor on Main floor. Bring your voices, we have the music. George Shannon, x2908 Linc or Jim Cosgrove, x3457 Linc.

Seminars and Lectures Friday, December 20

Feedback Stabilization of Resistive Modes in Tokamaks* - Dr. Roscoe White, Princeton Plasma Physics Laboratory, Plasma Fusion Center Seminar, 4pm, Rm NW17-218

Wednesday, January 8

Gallery Talk^{*} – Dana Friis-Hansen, assistant curator, MIT Committee on the Visual Arts, Hayden Gallery Nude, Naked, Stripped Exhibit Program, 1pm, Hayden Gallery.

Thursday, January 9

The Psychology of Nakedness* - Roberta Apfel, psychotherapist, Hayden Gallery Nude, Naked, Stripped Ex-hibit Program, 1pm, Hayden Gallery.

Sunday, January 12

Male Images: Gay Imagery?* - representatives of Gays at MIT (GAMIT), Hayden Gallery Nude, Naked, Stripped Exhibit Program, 1pm, Hayden Gallery.

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 is that there be a problem 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 569-8792.

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.

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

Exercise Class** - Tech Community Women class, Tues, 7:30-8:30pm. Call 494-4825 or 651-3697 for information on location

Wives' Group** - Morning Group: Dec 18, Museum of Fine Arts, 160 galleries including permanent exhibits as well as visiting collections - info, phone Lizzi Newton, 577-8031; Nerine Ahlers, 494-0402 or Hyeydon Kim, 227-1526. For all trips, meet at 9:15am, Eastgate (60 Wadsworth St). Children welcome. Afternoon Group: Dec 18, Holiday Party, Bring some refreshments to share & if you make holiday gifts for friends bring them; we'll have a chance to share how to make them. All meetings, 3-5pm, Student Ctr Rm 491. No babysitters for Holiday party

The Loon and Heron Theatre Presents What's Inside My Magic Trunk?. Sat, Jan 18, 1pm, Rm 10-250. Back by popular demand, the highly acclaimed acclaimed Loon and Heron Theatre presents this all-new play based on children's own writings. Lively entertainment for children in grades K-3. Tickets: \$2/pp, available in Rm 20A-023.

Camping and Recreational Vehicle Show. Sat-Sun, Jan 18-26. Stock up on the trail mix and granola bars, load up the backpack, tack the bikes onto the back of the Winnebago and gear up for this show of over 600 of the current year's models in trailers, motor homes and vans, and a large representation of campgrounds and campsites. Show covers 205,000 square feet of the Bayside Exposition Center, M-Sat, 1-10pm; Sun, 12-7pm. Tickets: \$2/adults (reg \$4); \$1/children ages 6-12 (reg \$2); under 6 free, available in Rm 20A-023.

Cat on a Hot Tin Roof. Thurs, Jan 23, 8pm, Lyric Stage. Tennessee Williams' explosive Pulitzer prize-winning ma Tickets: \$6.50/pp (reg \$8), available in Rm 20A-023.

Dinner and Racing at Wonderland. Sat, Jan 25. No luck with Megabucks? Then try your hand betting on the dogs at Wonderland. Evening begins with dinner featuring your choice of boneless stuffed breast of chicken or broiled Boston scrod. The or bonciess stuffed breast of chicken or brouled Boston scrod. The fun starts at 6:30pm. Wonderland is accessible by the MBTA Blue Line, or free parking is available next to the raceway in Revere. Cost: \$11.25/pp (chicken) or \$12.25/pp (scrod). Prices in-clude clubhouse admission, racing program, all meal taxes and gratuities. Reserve your space now in Rm 20A-023.

Washington, DC Presidents' Day Weekend. Fri-Mon, Feb 14-17. Visit the Smithsonian, FBI, National Zoo, and all the monuments - FREE. Go to some of the best restaurants, theatre, Georgetown, or go jogging or ice skating on the Mall. We will be staying at the Best Western Convention Ctr - which is in walking distance to everything – and the Metro, which will get you everywhere. Naturally, there are the usual sur-prises. The bus leaves West Garage, Feb 14, 7am; returns Mon. Feb 17, 8pm. Cost: \$118/pp/dbl occupancy only (bus and hotel fares inc in total cost). Make your reservations now in Rm

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, Rm A-150. NOTE: The Renoir exhibit is a separate admission price, and one must designate a day and time one wants to see the exhibit. Please call the Museum of Fine Arts directly for more information. MITAC is not offering Renoir Tickets.

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).

Ski-Key Books. Containing valuable discount lift ticket coupons for the greater New England area are here! Only \$9 ea.

New! The Greater Boston '86 Books. 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). A great holiday gift!

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

Social Activities

Table Francaise** – sponsored by Foreign Languages & Literatures Section. Venez dejeuner avec nous et parler fran-cais! Votre hote: Christophe Lecuyer. Tous les Lundis, de 12:15 a 13:45, Muddy Charles Room a Walker Dining Hall.

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.

Music

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

Destiny: A Rock Musical by Nineart Productions* - MIT Baha'i Association-sponsored performance, Dec 21, 8pm, Kresge Little Theatre. Donations: \$5. For more information, call 354-0117.

Babes in Arms Auditions* - Musical Theatre Guild auditions for Rodgers and Hart musical, Jan 6-7, 7pm, Student Ctr 2nd Flr. Bring a prepared song.

Dance

Western Square Dancing* - Tech Squares Club Level dance ing and rounds, Tues, 8-11pm, Student Ctr 2nd Floor. Dennis Marsh, club caller & instructor; Veronica McClure, club cuer.

MIT Contemporary Dance Club[•] – Cynthia Mallick, in-structor, Aerobix, M, 7-8:15pm, McCormick Gym, W, 8:15-9:30pm, T-Club; Jazz I, M, 8:30-10pm, T-Club; Jazz II, W, 6:30-8pm, McCormick Gym. Fee: \$3/class, \$30/11 classes. Info: call 723-7081.

Children's Dance Classes** - Pamela Day, instructor. Creative Movement/Modern Dance classes for children ages 3-9. We are taking a break for the remainder of December and all of Jan. Classes begin in Feb on Fri afternoons. For info, call after Jan 25 – Pamela, x3-5791, T/Th mornings or 648-4838 es/wkends.

The IAP Time Table

Introduction

Use the Timetable as a companion to the Guide.

When you locate an activity you are interested in attending, refer to the Guide to Activities for details about it. To find the complete listing, simply match the number that precedes the title of the activity in the Timetable with the number of the listing in the Guide. Activities appear in the Guide in numerical order

New Listings and changes appear at the end of the Timetable

A schedule with an asterisk (*) by it signifies an activity in which regular attendance is expected

Preregistration dates of activities have been left in as a reminder to people who have signed up for them. These activities may be closed. They are listed under the dates that they are being held, not under the preregistration dates. If you are interested in attending an activity whose preregistration date has passed, we suggest you call the contact person listed in the Guide to see if there is any

Activities which in the Guide stated "date, time, and location to be arranged," and which were not scheduled by the Timetable deadline, do not appear here. If you find an activity in the Guide with no schedule, contact the organizer directly for details.

The Timetable for Jan 6-8 activities appears in this week's Tech Talk, for Jan 9-15 activities in the Jan 8 Tech Talk, for Jan 16-22 in the Jan 15 Tech Talk, and for Jan 23-29 in the Jan 22 Tech Talk.

Last-minute cancellations and schedule changes should be submitted to the IAP Office, 7-108, x3-1668, so that the office can post the information and handle inquiries.

Pre-IAP

4907 Contemporary Gay Issues Does Homosexuality Mean More Than Who You Sleep With?

Dec 5, 5 pm, 50-306 (New) Ultimate Frisbee Wed, Jan 1, 7-10 pm, Sun, Jan 5, 12 noon-3 pm, second floor, New Athletic Center

(New) Nude, Naked, Stripped: Art Exhibition and Programs Exhibition Through Feb 4, Hayden Gallery, List Visual Arts Center, E15

(New) Aluminum Biycycle Frame Fri, Jan 3, 9-11 am, 8-105.* Preregister by Dec 24.

(New) Women's Lacrosse Club Practice Sat, Jan 4, 12 noon-2 pm, indoor track, New Athletic Cen-

Monday, January 6,

55 Student Art Exhibition: Drawings And Paintings 7-304, Rotch Visual Collection

3004 Finding A Job Library hours, second floor, Dewey Library

100 Glassblowing 9 am-12 noon, 1-3 pm, 66-157* arbet, ma wet station

MIT Museum Bldg - Minor White: Photographs, 102 prints dating from the 1930s to 1968, Jan 8 through March 1986. Berenice Abbott: Vision of the 20th Century. Five decades of photographs by Berenice Abbott, including portraits from the 20s, images of a vanishing NY City from the 30s and scientific photos illustrating waves and light refraction, through Dec 27. I.M. Pei: Selected Projects, through December. The United Nations: A Photographic Retrospective. Photographs documenting UN involvement in agriculture, education, health and scientific programs, through Dec 31. **Red Weights:** Sculptor Carol Keller and painter Kathleen Soles use a varie-ty of materials to explore spatial ambiguity as a metaphor. Through Jan 31, 1986. Light Sculptures by Bill Parker '74 Through Jan 31, 1996. Light Sculptures by Bill Parker 74, Changeable, touchable plasma sculptures, ongoing: 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, ongoing. Of Aerostatic Machines: Early Ballooning in France and Britain, Prints from MIT's Vail Collection illustrate the development of ballooning as a science and sport in lustrate the development of behaviors as a science and sport in cluding fanciful inventions for steering balloons, and aerial views of Paris and other cities, ongoing. Physics at the Laboratory for Nuclear Science: 35 Years at LNS, through Feb 28. Hours: Weekdays 9am-5pm, Saturdays 10am-4pm.

Compton Gallery – Piece By Piece, Works by Italian ar-chitect Renzo Piano 1964-84, MIT Dept of Architecture exhibit, through Jan 11, 1986. 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

353 Innovations In High-Strength Steel Technology 9 am-5 pm, 13-3101

530 The Great MIT Boat Race

532 Development Projects In Practice 9-11 am, 1-203*

651 Calculus Revisited 9 am-5 pm, Rotch, Barker libraries

685 Expository Writing: An Intensive Review 9 am-12 noon.* Preregister by Dec 12.

689 The Writing And Communication Center's Consultatio 9 am-1 pm, 14N-317

827 Machine Shop Course 9 am-12 noon, 13-2055.* Preregister until filled.

1152 Computerese: An Introduction To Personal Computing 9 am-12 noon, 1-390

4276 Ask SGNET, The Marine Information Network 9 am-12 noon, E38-306

4568 Creative Problem Solving 9 am-5 pm, E51-332.* Preregister by Jan 2.

850 Statistics For Real Estate Analysis 9:30 am-12:30 pm, W31-300. Preregister by Dec 10.

1154 KEDIT 9:30 am-12:30 pm, 3-343

4803 Inspiration, Prophecy, And Law 9:30-11:30 am, W2A

5101 The Art And Science Of Change Ringing 9:30 am, 10-105, Old North Church, time to be arranged*

43 Research And Educational Opportunities For **Undergraduates In Applied Biological Sciences** 10-11 am, 66-154

64 Chair Design Workshop/Competition 10 am-12 noon, 10-280. Preregister by Dec 12.

86 History Of The Biological Sciences At MIT 10-11:30 am, 16-310

150 Infrastructure Inroads 10 am-12 noon, 1-273

400 Designing And Building A Hovercraft 10 am, location to be arranged. Preregister by Dec 9.

1091 Cosmic Magnetic Fields 10-11 am, NW14-2209

4206 Science On The Airways 10 am-12 noon, E51-125

4652 Yiddish 10 am-12 pm, W2A.* Preregister by Dec 20.

4660 Beginning Hebrew 10 am-12 noon, W2A.* Preregister by Dec 20.

Wellesley Events

70 Physical Education Classes Registration 10:30 am-12 noon, du Pont gym

Jerome B. Wiesner Student Art Gallery - for 1985 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.

Jewett Arts Center^{*} – Paintings, Drawings and Sculpture from the Permanent Collection, continuing. Contemporary Prints from the Permanent Collection, continuing.

Fiction Writing Workshop[•] - Myra Goldberg, author, Center for Women's Carrers Women and the World of Work group meetings and individual conferences, Jan 6-17. Fee:

\$50/students; \$150/nonstudents. Information: Dawn Monmouth,

Relationship and Empowerment* - Janet Surey, PhD,

McLean Hospital, Stone Center Women's Psychological Development: Theory and Application Colloquium, Jan 8, 8pm,

Send notices for Wednesday, December 18 through Sunday,

January 12, to Calendar Editor Rm 5-111, before noon, Friday,

Sports HOME EVENTS: Jan 4: New England Division II Indoor Track Relays, 1pm. Jan 11: Wrestling vs Lowell, 1pm; Squash vs Bates, 2pm; M's Ice Hockey vs Hawthorne, 2pm.

x2321.

Science Ctr Rm 377.

Open to the public

December 13.

***Open to members only

**Open to the MIT community only

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

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: Jan 8, 22, Feb 12, 26, March 12, 26, April 9, 23, May 14, 28. For more info, call Lillian Alberty (491-3689), Nan-cy Whitman (x3-6040) or Beth Harling (749-4055).

MIT Activities Committee

MITAC, the MIT Activities Committee offers discount movie tickets for General Cinema (\$2.50), Showcase and Sack Theaters

(33.00). 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).

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

- ongoing classes in traditional Hatha and Iyengar Yoga 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 & Laya Wiesner Building **20 Ames Street**

Hayden Gallery - Nude, Naked, Stripped. Examines the varied attitudes to the body without clothes; its eternal sensual varied attitudes to the body without clothes, its extinal sensual-ity, its vulnerability in nakedness and the horror of its viola-tion. The issues which surround its depiction – artistically, culturally and psychologically – discussed in accompanying catalog published by MIT Press, through Feb 4. See Educational Programs schedule under Seminars and Lectures.

Sculpture Archives Gallery - Henry Moore: Figures and Forms. Examines one of the most important topics in the British sculptor's work: the figure in relation to the natural set ting, through Jan 5.

The Reference Gallery - Richard Kriesche: Cultech. Internationally-recognized Austrian artist-in-residence, known for his film, video, and installation work, seeks to understand and comment upon the social conditions which mass com-munication and the media convey and create, through Dec 29. Hours, M.F. 10-4; Weekends, 1-5pm.

THE MIT MUSEUM

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

Corridor Exhibits

Corridor Exhibits: Building 1 & 5, 2nd floor: John Ripley Freeman Lobby, Building 4: Rogers Building, Norbert Wiener, Karl Taylor Compton. Community Service Fund, Ellen Swallow Richards. Women at MIT. An overvice 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.

Redhouse to Ronchamp: Drawing from History - A draw-ing workshop led by Ted Cullinan, through Jan 17. Rotch Visual Collection, Rm 7-304. Hours: 9-5 weekdays.

Island Interiors - through Jan. 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 Associa tion. Hours: M-F, 9am-5pm, Rm 9-514.

MIT Field Hockey Photo Exhibit, by Gary Agranat '85, of Technique – Jerome B. Wiesner Student Art Gallery, through Dec 21.

New policy: Use safety belts

Effective January 1, MIT policy requires all persons operating or riding in Institute vehicles or private vehicles being used on Institute business to wear safety belts in accordance with Massachusetts law.

The policy was stated in a notice issued this month by the Institute Committee on Safety, which also said it supported the practice of wearing seat belts "as a matter of course."

In cases involving Institute vehicles or business, it said, "fines assessed because of failure to comply with this law are to be paid by the individuals cited and are not reimbursable.

The new Massachusetts law requires all persons operating or riding as passengers in motor vehicles on Massachusetts roads, unless specifically exempted, to wear safety belts.

A fine of \$15 can be assessed against violators if a motor vehicle has been stopped for some other violation.

For more information about the law and its exemptions, contact the Safety Office at x3-4736.

567 Introductory Hyper-Energy Theory 10:30 am-12 noon, 4-159

787 Reflections On Space

180 Current Problems In The Earth Sciences The Mexican Earthquake Sequence Of September 1985 11 am, 54-100

1090 Solar And Interplanetary Magnetic Fields 11 am-12 noon, NW14-2209

2026 Computer-Controlled Manufacturing Systems on 35-33 11 am-12 r

3100 Bodyworks: Heart And Lungs 11 am-12 noon, 4-163

54 Deployable Structures 12-2 pm, 10-280

3101 Reproductive Systems 12-1 pm, 4-163

4467 Project Athena Minicourses 12 noon-1 pm, 12-102

4809 What Does It Mean To Be Born Again? 12:15-12:45 pm, location to be arranged

(New) Tatting 12:30-3 pm, Emma Rodgers Room

81 Frontiers Of Neurobiology Use Of The Techniques Of Molecular Biology In The Study Of Alzheimer's Disease 1-3 pm, 16-310

688 Mini-Sessions On How To Write A Paper Getting Started On A Paper 1-1:30 pm, 14E-304

3084 Rainbow Holography 1-5 pm, E15-401.* Preregister by Dec 12.

3102 Stroke And Its Effects On The Brain 1-2 pm, 4-163

(New) Some Main Problems of Philosophy What Is An Explanation 2 pm, 37-212

6 Highlights Of Aeronautics And Astronautics On The Impact Of Communication Satellites On The Process Of Communication 2-4 pm, 33-206

39 Environmental Origins Of Human Cancer 2-3 pm, 66-154

60 Expressive And Descriptive Watercolor: Techniques For Designers And Artists 2-5 pm, 7-404.* Preregister by Dec 12.

63 New Design: Sketches And Pixels 2-4 pm, computer resource lab, 9-551,* Preregister by Dec. 12 in 7-303.

179 Chaos, Unpredictability, And Strange Attractors 2 pm, 54-915

391 Infinitely Long Computations 2-3 pm, 26-310

851 Value Creation In Real Estate 2-5:30 pm, W31-300. Preregister by Dec 10.

870 Everything You Wanted To Know About Telecommunications, But Were Afraid To Ask 2-3 pm, E40-212

1089 Materials Science And Archaeology 2-3 pm, NW14-2209 1943 243

3103 Runner's Feet: Running Shoes 2-3 pm, 4-163

4207 Technology And Science Journalism: Toward Definitions 2-4 pm, E51-125

4435 Art Classes And Facilities At The Student Art Association Association Introduction To Wheelthrowing 2-5 pm, 431 Student Center

200 The Intellectual Roots Of Industrial Organization 2:30-4 pm. E51-317

285 Social Conflict: Ten Historians View Its Causes And Nature Theories Of Social Conflict: A Historian's Evaluation 3-4:30 pm, 2-190

4905 Assertiveness Training 3-5 pm, 24-612.* Preregister by Jan 1.

1088 Chocolate Magnetism: A Fundamental Force? 3:30-4:30 pm, NW14-2209

3 Private Pilot Ground School: Airplane And Glider 4-6 pm, 33-419

4 Instrument Pilot Ground School 4-6 pm, 33-418

3077 A Brief Introduction To Computer Graphics 4-6 pm, E15-350

4435 Art Classes And Facilities At The Student Art Association Street Photography 4-7 pm, 429 Student Center

4435 Art Classes And Facilities At The Student Art Association Basic Darkroom Techniques 7-10 pm, W20-429

4435 Art Classes And Facilities At The Student Art Association The Ultimate Mug 7-10 pm, 431 Student Center

4464 Creating A Computer-Based Newspaper 7-10 pm, 1-132 (first meeting)

4701 Middle Eastern Dance 7-8 pm, 4-145*

4705 Improvisational Comedy Workshop 7-10 pm, Mezzanine Lounge, Student Center. Preregister by Jan 3.

4765 The MIT Ballroom Dance Club Crash Course Swing I

7-10 pm, Sala de Puerto Rico, Student Center 5103 Pagan Students' Group

7-9 pm, location to be arranged 4759 Roller Skating

7:30 pm, du Pont gym

8 pm, 8-205

4760 Rugby 7:30-9:30 pm, New Athletic Center

4753 Kayaking Classes 8-10 pm, Alumni Pool.* Preregister by Dec 5. 4900 What IS SDI All About?

Tuesday, January 7

353 Innovations In High-Strength Steel Technology 9 am-5 pm, 13-3101

586 Take Me To Japan 9 am, leave from North Station. Preregister by Dec. 17.

685 Expository Writing: An Intensive Review 9 am-12 noon.* Preregister by Dec 12. 689 The Writing And Communication Center's

Consultations 9 am-1 pm, 14N-317

827 Machine Shop Course 9 am-12 noon, 13-2055.* Preregister until filled.

4568 Creative Problem Solving 9 am-5 pm, E51-332.* Preregister by Jan 2.

850 Statistics For Real Estate Analysis 9:30 am-12:30 pm, W31-300. Preregister by Dec. 10.

4851 Wise Astute Guesses (WAGS) 9:30 am-12 noon, 24-115

18 Cluster And Flake Manufacture 10 am-12 noon 33-418

36 Job Possibilities In Biotechnology 10-11 am, 66-154

156 Bridge Design Competition: Die Brucke 10 am, 1-235. Preregister by Dec 15.

231 Auroral Electron Source 10 am, N10-220, High Voltage Lab (first meeting)

864 How Am I Going To Make This? 10 am-12 noon, 37-664. Preregister by Dec 30.

4438 Art-Making As People-Connection 10-11:30 am, 5-106. Preregister by Jan 6.

71 Adapted Aquatics 11 am-12 noon, Alumni Pool

182 How To Present A Short Technical Paper At A Professional Meeting 11 am-12 noon, 54-100

3006 History Of Navigation 11 am, 5-231*

3104 Surgical Correction Of Facial Deformity 11:30 am-12:30 pm, 4-163

401 Biomechanics: How The Human Motor System Works And How To Fix It When It Doesn't 12 noon-1 pm, 3-133

159 Introduction To Surveying 12:30 pm, 1-223 (first meeting)

3105 Essential Exercises For The Childbearing Year 12:30-2:00 pm, 4-163

76 Introduction To Rowing 1-3 pm, boathous

81 Frontiers Of Neurobiology How Synapses Work And How Synapses Form 1-3 pm, 16-310

572 Introduction To FORTRAN Programming 1-4 pm, 4-351

585 The Rise of Nazism In Germany, 1929-1933: Six Theories In Search Of A Database 1-3 pm, 1-132

688 Mini-Sessions On How To Write A Paper

3000 Preparing Your Thesis: An Explanation Of **Specifications For Thesis Preparation** 2 nm 4.145

685 Expository Writing: An Intensive Review

689 The Writing And Communication Center's

827 Machine Shop Course 9 am-12 noon, 13-2055.* Preregister until filled.

1152 Computerese: An Introduction To Personal

:30 am-12:30 pm, WMBR news station (basement of

4435 Art Classes And Facilities At The Student Art

852 Tax Planning For Real Estate 9 am-5 pm, W31-300. Preregister by Dec 10.

4175 Plasma Fusion Center Open House Research At The Plasma Fusion Center 9 am, NW14-2209

(New) Try Your Hand At Reporting

4803 Inspiration, Prophecy, And Law 9:30-11:30 am, W2A

3502 Nuclear Research Reactor Tour

4275 Minimum Drag Sphere Contest

10 am-12 pm, W2A.* Preregister by Dec 20.

4175 Plasma Fusion Center Open House

567 Introductory Hyper-Energy Theory 10:30 am-12 noon, 4-159*

180 Current Problems In The Earth Sciences

Charles River Basin And Boston Harbor

355 Problems In Materials Economics

3107 Stressful And Depressing: It Needn't Be

4435 Art Classes And Facilities At The Student Art

4456 Networked Workstations: A Multiprocessor

11 am-12 noon, 4-402 (first meeting)

528 Ship Design Competition

Chinese Calligraphy 11 am-12:30 pm, 425 Student Center

4175 Plasma Fu: ion Center Open House

253 Introducing German Television Geisler 12 noon-2 pm, 14N-225

Plasma Confinement In Tandem Mirrors

221 Sonar: Use Of Pulsed Sound Sources In The

44 Human Nutrition Studies At MIT

Plasma Confinement Research In Tokamaks

4711 Appalachian Dulcimer Playing

10 am, 4-163. Preregister by Dec 20

38 The Structure Of Viruses: Implications For

825 Introduction To The Polymer Central Facility

3000 Preparing Your Thesis: An Explanation Of Specifications For Thesis Preparation

10 am-12 noon, NW12-202. Preregister by day before

4203 Images Of Science: A Video Exploration

Association Chinese Brush Painting 9:30-11 am, 425 Student Center

9 am-12 noon.* Preregister by Dec 12.

Consultations

9 am-1 pm, 14N-317

Computing 9 am-12 noon, 1-390

1160 DISSPLA 9 am-12 noon, 3-343

Walker)

Vaccine Design 10-11 am, 66-154

10-11:30 am, 13-1011

10 am-12 noon, E51-215

10 am-12 noon, E51-125

10 am-12 noon, 3-270

4652 Yiddish

10 am-2 pm, 24-612

10:15 am, NW14-2209

11 am-1pm, 66-154

Submarine Hot Springs 11 am, 54-100

11 am-1 pm, 13-5002

11 am-12 noon, 5-314*

11 am-12 noon, 4-163

Association

Environment?

11:15 am, NW14-2209

12 noon-2 pm, 10-280

54 Deployable Structures

687 Breaking Into Print

2061 VAX Computing At LNS 12 noon-1 pm, 26-414

12 noon-2 pm, 14N-325

Making It Work 12 noon-1 pm, 4-163

11 am, 2-338*

4351 Speech Contests

4206 Science On The Airways

2 pm, 4-145

3106 Living With An Alcoholic: A Family Illness 2-3 pm. 4-163

4207 Technology And Science Journalism: Toward Definitions 2-4 pm, E51-125

4435 Art Classes And Facilities At The Student Art Association Introduction To Silkscreen Techniques 2-4:30 pm, 425 Student Center

4703 Israeli Folk Dance For Beginners 2-3 pm, 407 Student Center

4704 Musical Collaborative 2-5 pm, 5-216

4435 Art Classes And Facilities At The Student Art Association Explorations In Clay 2:30-5:30 pm, 431 Student Center

41 Vitamin A And Cancer: Recent Progress, Present Status 3-4 pm, 66-154

160 Geohydrologic Aspects Of Hazardous Wastes 3-5 pm, 48-316

4812 Science And Religion: Issues 3-4 pm, W2A

11 De-Escalation Of The Space Arms Race

776 Things You Can Do With A Technical Degree Besides Hands-On Technical Work Management Information Systems Consulting 4 pm, 4-153

1054 Beguiling And Bewildering Physics 4-5 pm, 24-612

4463 Data Intimacy 4-6 pm, 20A-002

4562 Bicycle Building And Maintenance 4-5:30 pm. Preregister by Jan 1

4854 Electrical Noise: Sources, Transmission, Consequences, Elimination 4 pm, 3-133*

4435 Art Classes And Facilities At The Student Art Association Watercolor

5-7 pm, 425 Student Center

4750 Kundalini Yoga: The Science Of Awareness 5-6 pm, second floor, Burton

4442 Oil Painting: Media And Techniques 5:30 pm, W20, fourth floor. Preregister by Dec 12.

4563 First Aid 6-10 pm, 400 Student Center. Preregister by Jan 3.

4564 Advanced First Aid 6-10 pm, fourth floor, Student Center* Preregister by Jan 3

4710 Dancing In Red Sneakers 6-7:15 pm, 1-125

5 Space Station Activities Series

222 Build Your Own Computer

Association Introduction To Wheelthrowing

Association Color Slide Processing And Printing

4569 Making Miniature Furniture 7-9 pm, NE43, seventh floor conference room

7-9 pm, West Lounge, Student Center

7-10 pm, 431 Student Center

7-10 pm, 429 Student Center

7-9 pm, 14N-313

7-8 pm, 66-319

Perspective

7-9 pm, 3-133*

461 Wind Serenades

Testament Topics

325 Women In Crime

She Done Him Wrong 7pm, 66-110

7-8:30 pm, 34-101.* Preregister by Jan 7.

3601 Furniture Making 6:30-8:30 pm, W31-031.* Preregister by Dec 24.

(New) Third Brazilian Indoor Soccer Tournament evening, duPont Gym, court 1. Preregister by Jan 6.

Applications In Space Materials Science and Engineering 7 pm, 37-212

4435 Art Classes And Facilities At The Student Art

4435 Art Classes And Facilities At The Student Art

4651 Dramatic Reading Of A German Comedy

4810 How To Answer A Cultist And Other New

4814 The Baha'i Faith: A New View Of Religion Introduction To The Baha'i Faith

4911 Marriage And Parenting From A Biblical

4659 Spanish Conversation 5-7 pm, 8-105

4714 Florida Tour '86 5 pm, Kresge.* Preregister by Dec 9.

4750 Kundalini Yoga: The Science Of Awareness 5-6 pm, second floor, Burton

4435 Art Classes And Facilities At The Student Art Association Non-Class Photography 5:30-6:30 pm, 429 Student Center

4435 Art Classes And Facilities At The Student Art Association Non-Class Clay 5:30-6:30 pm, 431 Student Center

3601 Furniture Making 6-8 pm, W31-031.* Preregister by Dec 24.

4754 Winter School 6-10 pm, 407 Student Center, Preregister by Dec 31.

4852 Hinterlands: Backgrounds And The African Environment: Abandonment, Investment, And **Denominations Of State Politics To Desert-Prone** Areas. 6-7:30 pm, W2A

56 Phenomena: In Search Of Chinese Art Form Chinese Architecture In Gardens University 7-9 pm, 3-133

4435 Art Classes And Facilities At The Student Art Association Life Drawing 7-10 pm, 425 Student Center

Organizing A Pape 1-1:30 pm, 14E-304

1158 Survival Training On UNIX 1-3 pm, 34-101

4220 What's Inside Athena Unix 1-2 pm, 36-372.* Preregister by Jan 6.

4435 Art Classes And Facilities At The Student Art Association Beginning Drawing 1-4 pm, 425 Student Center

4437 Quilter's Exchange 1-2 pm, 66-148. Preregister by Dec 30.

4554 Publishing On The Cheap 1 pm, 50-308. Preregister by Dec 31.

6 Highlights Of Aeronautics And Astronautics How To Fly An Aircraft Before It Is Built 2-3 pm, 33-206

42 Megavitamin Dosing: Fact And Fancy 2-3 pm. 66-154

562 Plasmas In The Universe, Neutronless Fusion **Reactor, And The Alcator Program** 2-3:30 pm (lecture), 26-210

570 What Do Nuclear And Particle Physicists Really 2-4 pm, 8-205

851 Value Creation In Real Estate 2-5:30 pm, W31-300. Preregister by Dec 10.

1159 Survival Training On VMS 2-4 pm, 1-390

4435 Art Classes And Facilities At The Student Art Moldmaking And Casting For Art And Engineering 7:30-9:30 pm, 425 Student Cente

4605 Socio-Economic-Cultural Development In **Albania** And India 7:30 pm, location to be arranged

73 Clogging And Flatfooting 8-10 pm, T-Club Lounge, du Pont

4571 Do-It-Yourself Electronics 8-10 pm, 35-225

4656 Introduction To New Testament Greek 8-9 pm, 66-319

4805 Talmud 8 pm, location to be arranged

4507 Come Call Cthulhu 8:10 pm, 8-105 (first meeting)

4510 Look Up In The Sky! It's A Bird, It's A Plane, It's 9:05 pm, 8-105 (first meeting)

4910 MIT Students For Individual Freedom 9 pm, 13-2010

Wednesday, January 8

224 Decision Analysis 8:30-10 am, 37-212

530 The Great MIT Boat Race 9-10:30 am, 5-234

4819 Adam, Eve, Izanagi, And Izanami: Creation Accounts Of The Mid East and Far East 12 noon-1 pm, 441 Student Center

3108 Communication And Relationship Workshop:

4572 Basic, Intermediate, Or Advanced Photography

4603 How Much Planning Before It Becomes Oppression? A World Comparative/Historical Perspective 12:30-2:30 pm, location to be arranged.* Preregister by Dec 15.

4821 Videotape Sessions On Islamic Teachings 12:30 pm, 3-133

81 Frontiers Of Neurobiology Learning And Memory In Tiny Flies 1-3 pm 16-310

131 Basic Machine Shop 1-3 pm, Chemistry Machine Shop, 6-023. Preregister by Jan 7.

563 Physics Flicks Probability And Uncertainty 1 pm, 6-120

584 Reading Group In Rational Choice 1-2 pm, E53-482

688 Mini-Sessions On How To Write A Paper Being Aware Of Your Readers 1-1:30 pm, 14E-304

Tech Talk, December 18, 1985, Page 5

3008 Latin American Experiences 1 pm, Baker Engineering Library Conference Room

3109 How Do You Spell Relief? Over-The-Counter Drug Abuse 1-2 pm, 4-163

4175 Plasma Fusion Center Open House Free Electron Lasers 1 pm, NW14-2209

4326 Lies, Damn Lies, And Statistics 1-2 pm, E40-153

4806 Jewish Lab 1-2 pm, W2A

new Some Main Problems of Philosophy Can One Know The Future? 2 pm, 37-212

6 Highlights Of Aeronautics And Astronautics Applications Of Artificial Intelligence To Air Traffic Control 2-3 pm, 33-206

37 Subversive Action Of Oncogenes 2-3 pm, 66-154

63 New Design: Sketches And Pixels 2-4 pm, computer resource lab, 9-551.* Preregister by Dec. 12.

179 Chaos, Unpredictability, And Strange Attractors 2 pm, 54-915

350 How Tough Can You Make 4340 Steel? 2-5 pm, 13-5002

600 A Matter Of Taste: The Perception Of Food 2-4:30 pm, 10-250

2059 Laboratory For Nuclear Science And Physics Department Lecture Searching For A Quark-Gluon Plasma 2 pm, 8-205

3110 Whatever Happened To The Marlboro Man? 2-3 pm, 4-163

3501 Neutron Activation Of Materials 2-4 pm, NW12-202. Preregister by Jan

4175 Plasma Fusion Center Open House Plasma Theory Research 2 pm, NW14-2209

4817 Daheshism: The Existence Of One God And The Unity Of Religions 2-5 pm, 1-190

203 A Tribute To Franco Modigliani 2:30-4 pm, E51-329

10 Seminar Series On The History Of Aeronautics 3-5 pm, 33-319

35 Experiments With Human Subjects at MIT: How Are They Regulated? 3-4 pm, 66-154

75 Trick Roping With A Lasso (Or Lariat) 3-4 pm, T-Club Lounge. Preregister by Dec 20.

105 The Consulting Business

285 Social Conflict: Ten Historians View Its Causes And Nature Classical And Contemporary Generalizations About Social Conflict 3-4:30 pm, 2-190

387 Talks On Topology 3 pm, 12-102

4175 Plasma Fusion Center Open House Fusion Engineering 3 pm, NW14-2209

4906 Hunger In Boston: How To Do Something About

3 pm, Center Lounge, Student Center 3 Private Pilot Ground School: Airplane And Glider

4-6 pm, 33-419* **4 Instrument Pilot Ground School**

4-6 pm, 33-418 161 TRB Conference Trip

4 pm, 1-136 (scheduling meeting)

3077 A Brief Introduction To Computer Graphics

4500 Pente Tournament 4 pm, 24-612

4750 Kundalini Yoga: The Science Of Awareness 5-6 pm, second floor, Burton

4435 Art Classes And Facilities At The Student Art Association Portraiture

5:30-7:30 pm, 429 Student Center 4754 Winter School 6-10 pm, 407 Student Center.* Preregister by Dec 31.

4375 Wallace Observatory Tour 6:15 pm-12 midnight, Wallace Observatory. Preregister by Jan 6.

56 Phenomena: In Search Of Chinese Art Form 7-9 pm, 3-133

351 In Vino Veritas 8-11 pm, 6-321. Preregister by Dec 16.

753 Algorithmic Probability And Universal Problem Solver 8 pm, floor 7, NE-43

4571 Do-It-Yourself Electronics 8-10 pm, 35-225*

4702 Much Ado About Nothing 8 pm, Kresge Little Theatre

New Listings

Aluminum Bicycle Frame Ken Kaiser

Fri, Mon, Wed, Fri, Jan 3-10, 9-11 am, 8-105.* Preregister by Dec 24.

Build custom racing or touring aluminum bicycle frame to your body dimensions. Will cover all phases of alumi-num frame building and bicycle completion. Payment of about \$175 for materials required at preregistration. Lim-ited to 20. Sponsor: Materials Science and Engineering Department. Contact: Sumner Brown, x8-1261, or Ken Kaiser, x8-3694.

Women's LaCrosse Club Practice

Irene Griff Sat, Jan 4, 11, 12 noon-2 pm, Sun Jan 19, 26, 10 am-12 noon, infield of indoor track

Beginners welcome. Sponsor/contact: Irene Griff, 500 Memorial Dr., x5-8968.

Ultimate Frisbee

George Sigal Sun, Jan 5-26, 12 noon-3 pm, Wed, Jan 8-29, 7-10 pm, New Athletic Center, second floor

Designed for players of all skill levels. There will be skill sharpening drills as well as games. Bring a 165g disc, if possible. Sponsor: Frisbee Club. Contact: Frank Revi, East Campus, x5-6173.

Nude, Naked, Stripped: Art Exhibition And Programs

Dana Friis-Hansen Through Feb 4, Hayden Gallery, List Visual Arts Center, E15

In conjunction with this exhibition the Committee in the Visual Arts is sponsoring a variety of programs during IAP. The exhibition explores the varying attitudes toward the body without clothes. Sponsor: Committee on the Visual Arts. Contact: Dana Friis-Hansen, E15-109, x3-4400.

Tatting Nancy Hollomon

Mon, Thurs, Jan 6, 9, 13, 12:30-3 pm, Emma Rodgers Room Students learn to make lace-like ornaments for clothes or other uses. Bring own small shuttle and thread or buy it from teacher. Supplies about \$5. Come once or all three times. Stay at least one hour. Sponsor: Women's League. Contact: Nancy Hollomon, 121 Carlton St., Brookline MA,

Some Main Problems Of Philosophy Prof. Sylvain Bromberger

What Is An Explanation Mon, Jan 6, 2 pm, 37-212

Prof. John Carriero Can One Know The Future? Wed, Jan 8, 2 pm, 37-212

Prof. Jim Higginbotham Is Beauty In The Eye Of The Beholder? Fri, Jan 10, 2 pm, 37-212

Prof. Ken Albert Do We Have Free-Will? Wed, Jan 15, 2 pm, 37-212

Prof. George Boolos What Is Truth?

Wed, Jan 22, 2 pm, 37-212 Prof. Ned Block

What Is Truth? Mon, Jan 27, 2 pm, 37-212

Prof. Paul Horwich Is It Possible To Travel Back In Time? Wed, Jan 29, 2 pm, 37-212

Third Brazilian Indoor Soccer Tournament Joao B. de Aguiar

Jan 7-23, evenings, duPont Gym, court 1

Soccer designed for court use, want to play it? Form a team of 5 players and join us. Rush, 12 teams only. Tro phies for the winners. Fee is \$25 per team. Sponsor: Bra zilian Students Association. Contact: Vanderlei, x3-4169, or Ernesto, x3-6185.

Try Your Hand At Reporting

Carol Webb Wed, Jan 8, 9:30 am-12:30 pm

Cover the Minimum Drag Spere Contest with the WMBR News. Meet at the station (in the basement of Walker). Pizza after the contest. Sponsor/contact: Carol Webb, x3-6244.

In Search Of Excellence Coleen V. Barry, Douglas S. Smith Thurs, Jan 9, 16, 10 am-12 noon, E51-311

Videotape presentation of *In Search of Excellence*: a con-densed version of the PBS series, based on the best-selling book, Sponsor: Society of American Military Engineers Contact: Richard J. Kury, 20E-1, x3-4471

Teaching Experiences In China: What MIT Can

Cover the Open Hearing On An Integrated Cirriculum At MIT with the WMBR News. Meet at the station (in the basement of Walker). Pizza after the event. Sponsor/ contact: Carol Webb, x3-6244.

Measure, Countermeasure, Counter-Countermeasure

Tues, Jan 28, 3-4:30 pm, 8-105

The Ultimate Event: An Exhibition

Tues, Jan 28, 12 noon, Kolker Room, 26-414

ence. Contact: J. P. Flanagan, 26-505, x3-2361.

Look at "R&D" work at Harvard's Radio Research Labo

ratory schooling at the Pacfit Radar Center at Oahu; some personal experiences with early gear with TF 52 at Iwo Jima and Okinawa. Sponsor: Laboratory For Nuclear Sci-

MIT And DOD Today: The Military Research Culture,

Our Contribution To Humanity, And Overcrowding

With emphasis on SDI we will discuss educational, finan cial, vocational, and psychological effects of DOD funding on students and MIT today. Sponsor: Disarmament Study Group. Contact: Chris Linn, x5-9692.

Demonstration of ultimate by Titanic, nationally 6th ranked club team, plus exhibition game against the MIT Frisbee Club, nationally 9th ranked college team. Spon-sor: Frisbee Club. Contact: Frank Revi, East Campus, Demonstrate 5 (202)

Frederic J. Eppling

In Course VI

Rich Cowan

Frank Revi

Fri, Jan 31, 7:30 pm

Bemis 113, x5-6173.

Changes

Bloody Mama

Out Of The Past

Thurs, Jan 16, 7 pm

The Trojan Women

location)

Jan 8. (date)

(dates and film titles)

Marnie

325 Women In Crime

She Done Him Wrong Tues, Jan 7, 7 pm, 66-110

Thurs, Jan 9, 7 pm, 66-110

Tues, Jan 14, 7 pm, 66-110

Diabolique Tues, Jan 21, 7 pm, 66—100

Thurs, Jan 23, 7 pm, 66-110

Department Lecture Series

Prof. Robert Redwine

Fri, Jan 10, 2 pm, 4-145

Prof Richard Yamamato

2068 Niels Bohr Film Series

Fri, Jan 17, 2 pm, 4-145

Tom Allen

Ed Roberts

Arnie Barnett

Lester Thurow

J.D. Nyhart

Arnoldo Hax

Henry Jacoby

Tom Malone

Nicholas Majluf

Deborah Gladstein

224 Decision Analysis Wed, Jan 8, 9, 10, 8:30 am, 37-212 (location)

475 Fusion Safety Seminar Fri, Jan 10, 9 am-12 noon, NW16-213, 2-4pm, 34-101 (date,

14 Hybrid Finite Element Methods Mon-Fri, Jan 13-17, 10-11:30 am, 33-319. Preregister by

2059 Laboratory For Nuclear Science And Physics

Pions And Nuclei: Is Something Exotic Going On?

Leptons, Quarks And Other Particles Of Nature

2071 Learning From The Past Fri, Jan 10, 17, 24, 3:30 pm, 9-150 (location)

630 Sloan School Faculty Open House

Mon, Jan 13, 10 am-12 noon, E52-598

Mon, Jan 13, 3-4:30 pm, E52-535

Mon, Jan 13, 3:30-5 pm, E53-301

Tues, Jan 14, 10-11:30 am, E52-460

Tom Magnanti and Jim Orlin Tues, Jan 14, 11 am-12 noon, E53-301

Tues, Jan 14, 3:30-5 pm, E52-542

Wed, Jan 15, 11 am-12 noon, E52-551

Wed, Jan 15, 3-4 pm, E52-444

Wed, Jan 15, 4-5 pm, E53-307

Tues, Jan 14, 66-110; Jan 21, 12 noon, E15-070 (location)

Recursive Parameter Estimation

Lennart Liung Tue, Jan 14, 2 pm, location to be arranged (first meeting) Adaptation mechanisms in on-line algorithms. Both theo-retical and user-oriented topics covered. Two additional meetings. Sponsor/contact: Lennart Liung, 35-425, x3-7089

Why Weight? A Look At The Eating Disorder Epidemic Patte O'Con

Wed, Jan 15, 12 noon-1:30 pm, Center Lounge, W20

A discussion on the behavior and characteristics of ano-rexia and bulimia. Personal insight will also be provided by a recovered bulimic. Sponsor/contact: Patte O'Connor, 345 Student Center, x3.7546.

Motions And Deformations Of Tectonic Plates By Very Long Baseline Interferometry Thomas H. Jordan

Thurs, Jan 16, 9 am-4 pm, Haystack Observatory

Excursion to Haystack Observatory will focus on precise position determinations of large radio antennae and use in measuring plate motions and deformations. Transpor-tation and lunch provided. Sponsor: Earth, Atmospheric, and Planetary Sciences Department and Haystack Observatory. Contact: Thomas H. Jordan, 54-518, x3-3589

A Community Mental Health Resource for Women Hvatt Imam

Thurs, Jan 16, 12:30-2 pm, 4-163

A representative from the Elizabeth Stone House, a men-tal health facility run by and for women, will discuss women and mental health. Powerful video will be shown. Sponsor: Medical Department. Contact: Constance Bean, 522 205 - 21 216 E23-205, x3-1316.

Epilepsy Linda Buchwald Thurs, Jan 16, 2-3 pm, 4-163

Epilepsy, patient care, the doctor-patient relationship, and latest advances in drug therapy. A videotape of a Sponsor: Medical Department. Contact: Constance Bean, x3-1316.

Chinese Cultural Festival Fri, Jan 17, Bush Room, 10-105

Exhibition Of Chinese Antique Arts 10 am-3:30 pm

Introduction To Chinese Acupuncture 12 noon-1 pm

Workshop Of Chinese Papercutting 11 am-12 nooi

The Republic Of China Builds For Tomorrow: Ten Major Construction Projects (slideshow) 10 am

Life In The Republic Of China (slideshow) 2 pm

A Visitors Guide To Taiwan, Republic Of China (slideshow)

3 pm and the second second and the The Pioneers (film) 7:30 pm, 10-250

Tells of a legendary man immigrating to Taiwan in the 18th century, devoting (and losing) his life to digging an oil well, the first of its kind in Taiwan. Early immigrants from China mainland truly presented. Free

MIT And Military Research From World War II To Vietnam: A Scientific Arsenal Of Democracy? Rich Cowan, Seth Tuler, Scott Saleska Wed, Jan 22, 3-4:30 pm, 8-105

Presentation and discussion on Lincoln and Draper labs and their work on SABRE radar, gunsights, missile guid-ance, MIRV, ABM, MTI, and the space program. Sponsor: Disarmament Study Group. Contact: Chris Linn, x5-9692.

Wed, Jan 22, 3:30-5:30 pm, McCormick country kitchen

There will be a special two-hour session for those inter

We will discuss basics and learn to read orienteering

Fri, Sat, Jan 24, 25, 7-9 pm, Sun, Jan 26, 6-8 pm, W2A,

An exegetical study in the New Testament Book of He-

brews Sponsor: Baptist Student Fellowship. Contact: Be-tsy L. Draper, W2A, 628-3406, or x3-2328.

pace-counting outdoors. Sponsor/contact: Roland Siezen,

maps, and perhaps try some compass reading and

ested in speaking spanish. This social event will include listening to music, playing games, and talking in a re-laxed atmosphere. Snacks will be served. Sponsor/ contact: Margery Resnick, x3-5277, Douglas Morgenstern,

Spanish Tertulia Margery Resnick

13-2014, x3-6804.

Hebrews

third floor

B.L. Draper

x3-3061

726 Getting The Job You Want In Industry: A Women's Guerrilla Guide To The Pin-Striped World 7-9:30 pm, 10-105*

3001 The Chemical Information Maze: How To Beat It **Tracing The Past** 7-8 pm, Science Library, Map Room

4435 Art Classes And Facilities At The Student Art Association Throwing Technique 7-10 pm, 431 Student Center

4435 Art Classes And Facilities At The Student Art Association

Printing Antique Photographs 7:30-9:30 pm, 429 Student Center

4435 Art Classes And Facilities At The Student Art Association Photography As An Art 7:30-9:30 pm, 429 Student Center

4608 Chinese Soap Operas 7:30-11 pm, 4-370

4759 Roller Skating 7:30 pm, du Pont gym

225 Kuang: Expert Systems For Checking Computer Security 8 pm, NE43-512A

Page 6, Tech Talk, December 18, 1985

Prof. John G. King Thurs, Jan 9, 10:30 am-12 noon, 4-231

Talk on similarities and differences witnessed on visit to Fudan University in Shanghai. Sponsor/contact: Kim Wainwright, 4-352, x3-4841.

Speech Systems Laboratory Tour, Lincoln Laboratory Joseph Tierney Jan 9, 1-5 pm, Lincoln Laboratory, B-335

Topics will include low-bit-rate speech encoders, compact speech processors and vocoders; VLSI systems and lab facilities for speech recognition; robust speech processing and transformation systems. Transportation will be provided. Sponsor: Speech Systems Technology Group. Con-tact: Joseph Tierney, 181-7240, or Clifford Weinstein, 181-7241.

Chinese Classes

Ms. Ho Sat, Jan 11, 18, 25, 1-3:30 pm, 1-136

Basic Chinese conversational classes, with emphasis on the understanding of the meaning of Chinese characters. Sponsor: Chinese Students' club. Contact: Lulu Tsao, 500 Memorial Drive, 494-1567.

Intermediate Israeli Folk Dance George Kirby Sun, Jan 12, 19, 26, 7-9 pm, 407 Student Center

If you know the basic mayim and yenenite steps, this course will open gates of advanced Israeli folk dance to you. Improve grasp of new dances and techniques. Spon-sor: Hillel. Contact: Miriam Rosenblum.

Try Your Hand At Reporting Carol Webb Mon, Jan 13, 2:30-5:30 pm

Organizing A Bicycle Festival Charles Hyde-Wright Fri, Jan 24, 7:30-9 pm, 4-163

Orienteering: Cunning Running

Roland Siezen Thurs, Jan 23, 1-3 pm, 13-2010

Discussion and slide show of the September 1985 Ameri-can Bike Festival, which included 3000 cyclists. We will also discuss plans for 1986. Sponsor: Laboratory For Nuclear Science. Contact: Charles Hyde-Wright, 26-445, x3-2377

Tie-Dyeing And Batik: Better Living Through Chemistry Michael D. Thomas

Mon, Tue, Wed, Jan 27-29, 12 noon-midnight, Senior House

Repeating 60-hour tie-dye fest held two years ago. Neophyte to wide-eved deadhead welcome. Bring all-natural fabric (like cotton t-shirts). Sponsor: Silas Whitcomb Holman House. Contact: Michael Thomas, Senior House, x5-6194, x3-3191.

Headaches

Linda Buchwald Mon, Jan 27, 1-2 pm, 4-163

Headaches, their causes and types will be explored, as well as treatment including relaxation response, biofeed back, and pharmaceutical management. Sponsor: Medical Department. Contact: Constance Bean, x3-1316.

MIT And Military Research From 1969 to 1985: Confrontation, Controversy, And Self-Censorship Rich Cowan, Scott Saleska Mon. Jan 27, 3-4:30 pm, 8-105

As a result of the Vietnam War Draper Lab was divested, some DOD funds were converted to socially constructive civilian work and the STS program was added. Were these changes desirable? Did they work? Sponsor: Disarma-ment Study Group. Contact: Chris Linn, x5-9692. Thurs, Jan 16, 3-4 pm, E52-582

Thurs, Jan 16, 10 am-12 noon, E52-554

Franco Modigliani Tues, Jan 21, 3-4:30 pm, E51-332

Tony Wong Mon, Jan 27, 9-11 am, E53-335

John Henderson and Michael Scott Morton Tues, Jan 28, 10:30 am-12 noon, E52-598 (complete schedule)

133 High Resolution Multinuclear NMR Mon, Wed, Fri, Jan 13, 15, 17, 1-2:30 pm, 2-190 (date, location)

4712 Dance Workshop Guest Instructor Series Mon, Wed, Fri, Jan 13-17 3:30-5 pm, T-Club Lounge. Wed-Fri, Jan 22-24, 3:30-5 pm, T-Club Lounge (time)

176 Tour Of Woods Hole Oceanographic Institution Mon, Jan 20, 9 am-5 pm, Woods Hole (date)

103 Trends In Fossil Fuel Utilization: Implicatons To Combustion Tues, Jan 21, 11 am-12 noon, 66-110 (date)

4208 Controversy In Cambridge: Video Documentation Of Laboratory Safety Disputes Wed, Fri, Jan 22, 24, 2-4:30 pm, E15-054B (complete schedule)

385 Bridge Tournament

Tues, Jan 28, 12 noon-6 pm, 2-290. Preregister by Jan 17. (date)

4612 Nicaragua Needs Your Technical Assistance Wed, Jan 29, 12 noon-1 pm, 4-270. (location



Tech Talk ads are intended for personal and private transactions between members 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, o porce 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 accom panied by full name and extension. Per-sons 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 extensions may be sent via Institute mail. Ads are not accepted over the telephone

Deadline is noon Friday before publication

For Sale

2 Minimus 7W sm spkrs, nw frm Radio Shack, unusd, bght for \$110, sell for \$60;



criminate 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.

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 Person 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 extension 3-4251.

Employees at the Institute should continue to contact their Personnel Of-ficers to apply for positions for which they feel they qualify.

Ken Hewitt	3-4267
Dick Higham	3-4278
Virginia Bishop	3-1591
Appointments:	
Therese McCon	nell 3-4274
Oveta Perry	3-1594
Kenneth W. Chin	3-4269
Sally Hansen	3-4275
Appointments:	3-4268
Maureen Howa	rd 3-4268
Kim Bonfiglioli	3-4076
Appointments:	
Nancy Collins	3-4077

Administrative and Academic Staff

Chief of Environmental Medicine. Medical Department, seeks physician to provide clinical/program leadership in environmental as nent and surveillance programs at MIT. MPH or board certified/ eligible in occupational medicine/preven-tive medicine. Must have strong interest in clinical/toxicological aspects of environmental medicine. Department is multispecialty group practice serving MIT and two large affiliated laboratories. C85-170

Advent tunr, mdl 300, 7 yrs old, \$70; Phillips trntbl, nds minr rpr, \$25. China, x3-2705

Okidata 192P prtnr, nw, nvr usd, \$340 or bst. Call 646-9377.

Wd stv chimney, metalbestos insulatd s-s. 8" 1.D., 3 30" sectns, 1 18" sectn & tc cap (7½' total), usd 1 seasn, nw \$300, se for \$150 or bst. John Weigel, x3-7324. sell

Yellow couch w/stripes, \$50; blck naugehyd easy chr, \$40; pr 2-tierd walnut colr end tbls, \$40; mapl cffee tbl, 2 legs nd tightning, \$25; RCA b&w tv, \$20. Kim, x3-1740 or 242-0804 eves.

Heath H-89 Z-80 cmptr sys: 64KB, 3 dsk drvs, 3 serial lines, Decwrtr prntr, CPM & HDOS sftwr, like nw, \$500. Ken Senne, x7440 Linc.

Rossignol 185 w/Salomon bindngs, \$45; Nortalia 10, \$35; Alpina 8, \$25; Reichle 7, \$35; Hanson 9, \$15, all boots in gd cond; Lovett x-cntry skis, \$25; x-cntry boots, szes 43,42,38; CCM Bobby Orr skts, sz 11; Bauer hcky skts, sz 7, \$25 & \$15; Persn hndmd Seraban orientl rnnr, 16' 2" x3' 8", \$350; 2 12" silvr cndlstcks, \$75; Singer sewng mach, \$150; Westinghouse sewng mach, \$85, bth w/tbls: 2 twn mttrsses w/bx spr, \$45; misc cheap furn. Call x3-3175 or 332-8251.

Mechatron daisy whl prntr (#Diablo 630), lttr-qlty, gd cond, askg \$375. Call x5-8242 dorm es

Sony stereo cass dck w/Dlby, 3-positn bias, auto-stop feature, gd cond, \$59 or bst. Call x3-2774.

HP12C calcltr, \$70; Canon Supr 8 movie cmra, Chinon prjctr, Kodak splicr, \$100. Call x3-2449.

perience are required. Experience in retail personal computer sales manage-ment is highly desirable. A85-652

Donor Relations Coordinator, Office of Communications/Resource Development, to write gift acknowledgments and other development related correspondence for senior officers; supervise production and distribution of correspondence; develop tracking and recordkeeping systems and supervise their maintenance; request and write reports, and maintain monthly re-port tracking system; perform research and provide support to assistant director of communications in handling special mailings, campus visits, and other pro-jects. Must have excellent writing and proofreading skills. High levels of respon-sibility, organization, and self-motivation are necessary. One to three years of experience in development, particularly at MIT, and/or familiarity with MIT, are desirable. Letter describing qualifications and interest in position must accompany ume. A85-651

Medical Director and Department Head, Medical Department, to act as Directing Head of the Medical Department consisting of comprehensive health services to the MIT community (faculty, staff, students, and their families) through the operation of a licensed, JCAH-accredited, 125,000-visit outpatient and 18-bed inpatient facility, an HMO, and an environmental medical service The medical staff consistent data The medical staff consists of 23 full-time and 56 part-time physicians representing all the major specialties. The Department also has a Social Work Service, a Dental Service, and Nursing Service. Will be re-markible for the august of medical case sponsible for the quality of medical care in the MIT community and serve as ad-visor to the President of MIT on all health-related matters. Additional respon sibilities include environmental health programs in a complex, research-oriented campus community and membership in the governing board which serves as a board of directors for the Department within the university structure. Must be licensed, Board qualified physician with a distinguished record of clinical experience and proven leadership qualities. Familiarity with an academic environment is de sirable. A85-650

Postdoctoral Associate, Applied Biological Sciences, to design and synthesize radiopharmaceuticals for detection of human atherosclerosis (see Nucl. Med. 26:1056, 1985). Chemical synthesis, antibody production, animal and human studies are all involved. M.D. or Ph.D. in Chemistry, Biochemistry or Phar-macology preferred. Position available immediately or by July 1, 1986. C85-169

Assistant Manager, Maintenance, Housing and Food Service, to assist the Manager of Maintenance in supervising and coordinating all phases of department maintenance, renovation, and construc-tion programs. Will work with Housing and Food Service Managers and support groups. Identify, develop and com-municate plans of all construction jobs. Assist the Manager of Maintenance in all phases of cost and estimation for repair and renovation programs. Perform facility inspections. Contribute ideas. Interpret structural plans as required. Associate degree and/or equivalent combination of education and experience with a mini-mum of five years maintenance supervisory experience required. A85-516

Eastern Airline rnd-trip tix to Houston, TX, 12/23-12/27, \$160/tckt. Sandra,

1915 Chickering upr piano, v gd cond, \$500. Laura, x3-2281 or Laura/Fran, 321-4372 eves.

Sleep sofa, no mttrss, \$25; Q-sz foam w/cvr, \$30. Tom, x3-3020 or Eileen, 576-6542

Dbl bed w/brass hdbrd, sgl bed, blck lthr couch, 2 end tbls, rugs, all bst offr. Call x3-7303 or 492-5158 eves.

Sturdy Britsh bike, youth sz, 24" whls, 3-spd, nds wrk, \$20. Susan, x3-4073.

K-sz wtrbed w/linr, htr, 1 set of sheets, rail pads, mttrss pad, bkcse hdbrd, 80% wvless mttrss, \$400 or bst. Julie, x3-3651.

Br nw genuine red Bakhara orientl rug, approx 3x5', \$150. Evelyn, x3-3361.

Collctn of antq radios frm 1926, bst offr. Call 957-0219

Wh marbl top cffee tbl; uniq chst drwrs; Phillips trntbl; pr lrg spkrs; Sonsui rcvr, nds wrk; lrg dwn jckt; dwn sleepng bag; pup tent; elec Smith Corona typ vrtr: hat 20x24 postr frm. Sarah, x3-3278 or 547-0295 eves.

Lt grn velvt sofa, 88" L, comfy, v sturdy, \$75. Call 436-2445 eves, lv mssg

X-cntry skis, 205cm, mohair base, \$35; x-cntry skis, 160cm, no-wax base, \$30; Bl Panther, Bauer hcky skts, sz 6, \$65; CCM Mustang hcky skts, sz 6½, \$65; all itms br nw. John, x8-2001 Draper.

Twn BR set: bed dsk, nghtstnd, drssr, mirror, exc cond, got married, can't use, mst sell, \$200. Henry, x8-5139 Whitehead.

Research Engineer, Earth, Atmospheric, and Planetary Science (full or equipment for use on the deep sea floor. Will design, build, and test a digital recording system operated by a microproces-sor. Will be involved in all phases of the development process, as well as work oc casionally on oceanographic vessels. A BS degree in Electrical Engineering or Computer Science or equivalent work experi-ence is required. Some experience with mechanical systems is also desirable. Must be able to work cooperatively with others. R85-880

Research Engineer, Earth, Atmos pheric, and Planetary Sciences, to devel-op, be responsible for, and operate seismic recording instruments for use on the deep sea floor. Must be able to design, build, test and deploy field instruments with both mechanical and electronic subsystems. Will require involvement in all phases of the development process, as well as occasional work at sea on oceano graphic vessels. Must be a Mechanical Engineer with a BS degree in engineering, or equivalent work experience. Strong internal motivation and an ability to supervise student assistants will be necessary. R85-879

Technical Assistant, Statistics Center, to act as member of interdisciplinary team within the Concurrent Computing Group. Will be responsible for configura-tion and maintenance of group's multipro-cessor systems including both hardware and software. In addition will be responsible for establishing LAN for the project machines and for setting up gateway be-tween Intel OPENNET and TCP/IP systems. Requires minimum of 3 years of hardware experience, and working knowledge of iRMX and Xenix operating sys tems. Experience with Berkeley UNIX 4.2 highly desirable. R85-878

Research Staff Scientist, Center for Space Research, to experiment in balloon borne measurements of the cosmic back-ground radiation anisotropy in the microwave and infra-red spectral regions Areas of expertise should include elec-tronics, cryogenics, high altitude gondola instrumentation, microwave and submillimeter optics and detection techniques. and data analysis. PhD in Physics, Astro physics or Astronomy. Knowledge of COBE satellite FIRAS instrument and data pipeline as well as knowledge of COBE satellite DIRBE instrument and data pipeline. Experience in computer hardware and software for real-time data collection and analysis on VAX/VMS and PDP/11 machines required. R85-876

Fiscal Officer, Laboratory of Architecture and Planning, to provide assistance to the Administrative Director of the Aga Khan Program for Islamic Architecture in fiscal planning and supervision of finan-cial matters for all aspects of the pro-gram. Responsibilities include development and maintenance of a financial management plan; preparation of all fiscal reporting statements, reports, and stablishment of con for cost effectiveness; and management of computer-based accounting system to be implemented in the future. Will report to the Administrative Director of the Aga Khan Program and will be responsible for communication and technical coordinan with appropriate financial officers at MIT and Harvard University. A bach elor's degree or equivalent combination of education and experience, and at least 2 years administrative financial experience are required. Familiarity with MIT and/or Harvard University is desirable. Familiarity with electronic spread sheets preferred. R85-875 **Chief Operator**, Sponsored Research Technical Staff, Laboratory for Nuclear Science, to be responsible for the opera-tion of the accelerator and the safety of personnel and equipment during rotating operating shifts. Sufficient knowledge of operation and design of subsystems in order to diagnose faults and to effect minor repairs during run necessary. Must understand operation and intent of machine and personnel protection interlocks. Will supervise and/or conduct checkout procedures. Must be able to turn on entire facility from a cold start and produce a beam to specifications. Will maintain records and log of runs. A Bachelor's degree in Engineering or Physics or the equivalent combination of education and experience is required. This position is located at the Bates Linear Accelerator Center in Middleton, Ma., 21 miles north of MIT Campus. R85-871

Vehicles

'71 Opel wgn, 4 cyl, 4-spd, AM/FM/cass, halogen hdlghts, all seasn rads, 2 xtra rims, FL car, no rst, rns grt, gd mpg, \$800 or bst. Call x4902 Linc or 584-6279 eves.

'72 Toyota Corolla, only 68K, rns well rcnt tune-up, \$250 or bst. Janet, x3-2566 or 277-9550 eves.

74 Datsun 710 sta wgn, std, exc c AM/FM, nw batt & exh, \$550. Call x2883 Linc or 263-5683 eves.

75 VW Superbeetle cnvrtbl, v gd cond, AM/FM stereo, 4-spd std trans, rblt eng nw muff, mst be seen, \$2,500 or bst. Chris, x3-5360 or 284-1859 eves.

'76 Ford Granada, 6 cyl, 2-dr, AM/FM snw trs, some rst, gd cond, mst sell, \$500 or bst. Nadine, x3-0554 or 739-0113 eves.

'77 Honda Accord htchbck, 5-spd, a/c, stereo cass, \$1,200 or bst. Jeff, x3-7518 or 899-9798 eve & morn.

'77 Jawa Babetta moped, red, rns well, \$250. Mike, 266-7554 eves.

'78 Honda Accord, 2-dr htchbck, 5-spd, 70K, \$1,500 or bst. Call x7440 Linc or 862-3952.

78 Mercury Capri htchbck, bl, 4 cyl, 46K, AM/FM stereo, br nw muff & exh, grt cond, only 1 prev ownr, askg \$2,800. Call x3-1994 before 4pm or 646-0271 eves/wkends '80 Fiat Strada, a/c, AM/FM/cass, alrm,

Mich rads, rfrck, rns well, \$1,400 or bst. Ron, x8-5227 or 484-0834. '81 Buick Skylark, 4-dr, 4 cyl. auto, a/c,

ps, pb, rear wndw defog, perf cond, 6 mo warr, \$3,600 or bst. Jon, x3-6802 or 494-1534. Sponsored Research Technical Staff, Psychology, to act as Electrical Engineer for the Psychology electronics shop. Duties require a background in analog design with some digital design capabili-ty. Will train and supervise student employees, plan work load, and develop needed circuitry in collaboration with department research laboratories. Knowledge of circuit construction techniques and mechanical design parameters, as well as the ability to generate complete documentation necessary. Must be able to prioritize projects and workload, and be able to deal with different laboratories in a diplomatic and efficient manner. Bachelor's degree or equivalent experi-ence required. R85-870

Library Support Staff

Library Assistant III, The Libraries-Institute Archives and Special Collec-tions, (part-time), to act as records management assistant. Duties will include retrieving and refiling documents from storage facilities as requested by MIT personnel. May hand deliver and pick up materials; maintain records and compile statistics related to retrieval ac-tivities; initiate telephone contacts or routine correspondence; shelve and maintain records of management holdings; identify and compile lists of records ready for destruction; and perform special assignments as required. Minimum high school graduate or equivalent with 1 year direct/related experience required. Good interpersonal skills and the ability to understand MIT administrative structure and record-keeping practices essential. L85-137

Library Assistant III, Hayden Circula tion (evenings, temporary), to perform general stacking routines on all levels of the Hayden Library. Will shelfread in Science Library and participate in shift of material, searches for missing materials and be responsible for closing. Primary responsibilities will include the circula-tion desk on designated evenings, including all circulation desk functions; registering and issuing Consortium cards, taking applications for cards, training and monitoring evening students, providing directional assistance to library users, im-plementing an automated circulation system in process and performing addi-tional duties as assigned by the Circula-tion Librarian. Some typing is required. Minimum 1 year direct/related experience required. Previous library experience pre ferred. Physical stamina for stacking and good interpersonal skills essential. This is a full-time temporary position until 3/31/86; effective 4/1/86 this position becomes part-time (17.5 hr/week). The person filling this position will have the option of working through 3/31/86 only, or continuing on a part-time basis. Will work Monday-Thursday, 4pm-12pm and Friday 11am-7pm. L85-994

Secretary/Staff

'81 Datsun 210, exc cond, 26K, mst sell, \$3,200. Jane, x3-1493 or 648-4883. Apt wntd, Cambridge nr Hrvd or Porter Sqs, Fresh Pond, 1,2 or 3BR, pref rnt-

'82 Ford Mustang GL, 2-dr htchbck, sunrf, auto, ps, pb, br nw exh sys, AM/FM, 66K, mving mst sell, \$4,500. Paula, x4848

Housing

Newport/Jamestown, RI, avlbl 3/15-22 & 5/17-24, inc pool, jacuzzi, etc, askg \$365/wk, also for sale. Juanita, x3-6454.

Cambridge 3BR attchd sgl fmly twnhse nr Tech Sq/MIT/Cambridge Ctr & trnsprtn, energy efficnt, 1½ bath, spacious ktchn, Indry, mny closts, attchd garg, 2 prkg spaces, over 1,800 s.f., Indscapd frnt & rear, \$179,900. J. May, x8-2843 Draper or 492-4759

Beacon Hill, 2BR conv to MIT & dwntwr avlbl 12/15 or 1/1, \$750/mo inc ht. Call x4961 Linc or 625-8969 eves.

Wanted

MIT Child Care Office sks 2 teachrs for School Vacation Program (2/18-21, 4/22-25) it is attempting to establish. Candidates should have experience & train-ing w/chldrn 6-12 yrs old in group setting. Interest &/or skills in sports, drama, science, art & music hlpful. Contact Child Care Office, Rm 4-144, x3-1592.

Old Singer sewng mach stnd, eithr old irn type or wd, don't want mach, jst the stnd. Louise, x3-7607 or 391-8045.

Gd usd piano. Dan, x4598 Linc.

Selmer sax or clarinet. Larry, x4503 Linc or 332-7152 aftr 6pm.

Person to drv car frm SF to Boston during Jan. Eric, x3-6595.

creative people on the staff of the MIT press. Good organizational skills essen-tial. Minimum 4.5 years direct/related ex-perience required. B85-131

Sr. Secretary, Center for Space Research, to schedule and coordinate appointments, meetings, and exams, for 4 faculty and senior staff in small (20-person) aerospace biomedical engi-neering research lab. Will manage 9 line telephone and answering machine; assist students and visitors; type, and proofread, using Word Star based word processor, working from drafts and dictaphone. Will maintain scientific and administrative files; copy forms, class notes, and correspondence; sort and review mail; answer reprint requests; order and maintain office supplies. Ability to work under pressure and independently necessary. Requires gaining an in-depth knowledge of workings of Man vehicle Lab; and ability to act as effective liaison with both the academic department and the Center. Minimum 2.5 years direct/related experience required. B85-144

Sr. Secretary, Mechanical Engineering, to provide secretarial and administrative support for one faculty member. Duties will include preparation of technical manuscripts and reports, updating mail-ing lists and distributing materials, answering telephone inquiries and corre spondence, preparing teaching materials. Involves extensive interaction with students and international companies funding research. Excellent technical typing skills essential. Ability to work independently, good organizational skills, and attention to detail important. Excellent in-terpersonal skills necessary. Minimum 2.5 years direct/related experience required. B85-138

Sr. Secretary, Biology (part-time), to per-Sr. Secretary, Biology (part-time), to per-form diversified secretarial duties for biology faculty member, friendly research group, and department Electron Microscope Facility. Duties include typing and additing scientific menucerints and editing scientific manuscripts, preparation of grant proposals, handling of a variety of correspondence and phone calls. Additional duties will include handling purchasing, keeping track of expenditures, and maintaining account record. Will organize meetings and conpenditur ferences, arrange travel, and do occa-sional library searches for needed literature. Must be able to work independently, in an informal atmosphere, and deal with a variety of people. Requires good typing skills; ability to write letters on own initiative or brief instruction: ex cellent organizational skills; good in-terpersonal skills; ability to work with frequent interruptions. Willingness to learn accounts, and knowledge of IBM PC or willingness to learn essential. Minimum 2.5 years direct/related experience required. B85-130

Sr. Secretary-Technical, Chemistry, to perform secretarial duties to two faculty members in the Chemistry Department Will type correspondence, technical manuscripts, grant proposals and course material including drawing of figures and molecular structures. Will arrange ap-pointments and travel; monitor research accounts and prepare financial projec-tions; conduct literature surveys; and catalog chemicals in storage rooms. Good interpersonal skills and ability to set priorities and organize work without detailed supervision essential. Familiarity with MIT procedures preferred. Excellent technical typing skills and familiarity with word processing and/or willingness to learn preferred. Minimum 2.5 direct/related experience required. B85-120

cntrlld, \$250 reward. Janice, 576-1878, h mssg.

Rd to/frm NY (Long Island) in lrg van to pck up chr, tbl, etc, anytime from 12/27-1/4 or so, will shr drvng, expnses etc. Call 864-0239 anytime, lv mssg

Hse/dog sittr for sm Belmont hse & medsz mutt, 1/18-1/25, refs req. Wendy, x3-3924.

Roommates

Somerville nr Tufts, \$266.66/mo+ % utils, own rm, avlbl Jan. Bill, x3-4649 or 776-0792

Non-smkr to shr lrg 2BR Brookline apt nr Washington Sq, huge ktchn, LR, DR, den, prch, prkg avlbl, \$314/mo, inc ht & h.w. David, x3539 Linc or 739-0585.

Quiet sensbl non-smkr F wntd for 3BR Waltham hse nr Rts 128 & 20, offl-st prkg, modert rnt, no pets. Suk, x4079 Linc or 893-1933.

F non-smkr wntd for lrg furn apt nr Fresh Pond, 1 mi frm Hrvd Sq, free prkg, accsbl by T, \$370/mo inc ht, avlbl Jan-Sept. Sabina, x3-6501 or 876-1303.

Carpool

Shr drvng, MIT/Draper-Andover (nr IRS). Rich, x8-3959 Draper.

Lost and Found

Lost: L's glove, tan pigskn, betwn Bldg 3 & Kresge Prkg Lot. Gisela, x3-2208 or 366-2788.

Found: L's watch in Infinite Corridor, 12/13. Christine, x3-2453.

as well as a willingness to learn technical related experience required. (20 hrs/week) NON-SMOKING OFFICE B85-145

Secretary, Center for International Studies, to provide general support to re search center administrative head quarters. Duties will include typing corre quarters. Duties will include typing corre-spondence and reports, filing, assisting with organizing seminars and mailings, and providing general office assistance. Will also provide part-time typing assis-tance to program on US-Japan science and technology. Good communication wills trained (50.60 mm) chills that much skills, typing (50-60 wpm), ability to work from taped and handwritten materials, and familiarity with or willingness to learn Wang and Dec word processing sys-tems necessary. Ability to work indepen-dently essential. Minimum 1 year direct/ related experience required. B85-139

Secretary, Energy Laboratory, is seeking an enthusiastic, "willing to learn" secre-tary for an entry level position. Primary responsibilities will include correspondent dence and word/list processing for CEPR Director and Center Program Board Chairmen. Will type, edit and proofread correspondence, reports, manuscripts from rough draft, or direct instructions. Will maintain schedules and appointments maintain updated mailing lists for list processing letters, labels and regular mailings to sponsors; help administrative staff organize and coordinate CEPR con-ferences and meetings; answer tele-phones, provide information and refer callers to appropriate person; reproduce and distribute reports; prepare institute forms. Minimum 1 year direct/related experience required. High School or equiva lent necessary. Secretarial school can count towards experience. Familiarity with and/or willingness to learn word processing essential. 45-50 wpm typing pre ferred. B85-134

Secretary, Media Laboratory, to provide general secretarial support in Media Laboratory Headquarters. Will involve frequent contact with faculty, Institute of fices, and outside agencies and sponsors; extensive phone contact and accurate receival of messages. Will proofread and type correspondence and documents; use electronic mailing system to send/receive correspondence to/from Director; file and maintain accurate office records, make travel arrangements and maintain petty cash. Strong organizational skills and at tention to detail required. The ability to work well under pressure, independently, and to recognize and set priorities essen-tial. Will handle confidential material. Familiarity with word processing and a minimum of 1 year direct/related experi ence required. Knowledge of MIT desirable. Minimum typing speed of 45-50 wpm necessary. NON-SMOKING OF-MIT FICE B85-133

Secretary/Receptionist, Purchasing and Stores, Office of Laboratory Supplies, to provide secretarial/receptionist support to Assistant Director of Stores, Manager of Furniture and Furnishings, and Purchasing Agent. Will handle incoming calls maintain filing systems, proofread, distribute mail, order supplies, route re-quisitions. Will assist with record keeping, typing purchase orders, requests for quotation and varied correspondence Good interpersonal skills and the ability to handle frequent interruptions essen-tial. Excellent clerical, communication and organizational skills required Knowledge of MIT or purchasing office procedures helpful. High School graduate or equivalent, with a minimum of 1 year direct/related experience required. NON-SMOKING OFFICE B85-128

Manager, Microcomputer Center, Information Services, to manage and super-vise the administrative, technical, and operational activities involved in the reccm mendation, sale, and support of office and laboratory computer workstations and associated peripheral devices, software, manuals, and supplies to departments, laboratories, and individuals at the In-stitute. Will work with other Information Systems managers and technical staff to determine items to be stocked by or ordered through the Microcomputer Center based on Institute Information technology plans and requests from de partments and laboratories, work with vendors, staff, and others needed to ex-pedite receipt by customers of information, goods, and services; manage operation of the Center, including sales, inven tory control, and consulting, and publicize to the MIT community the information ods, and services available through the goods, and services available through the application consulting, hardware mainte-nance, network services, and training available from other Information Systems components. This position requires a creative individual who will be able to guide the growth in services provided by mouter Center as it diversifies the Microc to include sale of third-party componen expands the selection of software available, and changes to adapt to the chang-ing needs of the Institute. A Bachelor's degree or equivalent combination of education and experience is necessary. Extensive experience in using personal computers and reasonable supervisory ex-

Sponsored Research Staff

Technical Assistant, Center for Cancer Research, to work in a laboratory con cerned with research in the area of mol-ecular biology of animal viruses. Will be in charge of maintaining animal cell lines in tissue culture and will also be resp ible for preparing and titering virus stocks. In addition, will collaborate in experiments on the molecular biology and biochemistry of animal viruses and mammalian cells. The techniques involved are nucleic acid biochemistry, hybridization, and general analysis of macromolecular components of mammalian cells. Will also be responsible for maintaining some laboratory supplies and equipment. BS in basic science and working understanding of current research in molecular biology necessary. Experience in research in a modern biological laboratory helpful. In particular, previous experience with tissue culture techniques, nucleic acid or protein biotechnology is desirable. Good interpersonal skills and the ability to work with others essential. R85-881

Assistant

Administrative Secretary, Economics, to work with 2.3 faculty in a very busy fast-paced office. Will prepare and edit manuscripts and classwork on IBM using XYWrite; revise older work done on Lanier word processor. Duties will also in scheduling frequent meetings, workshops and luncheons, travel itin eraries, billing, maintaining some ac-counts and filing systems, and handling extensive correspondence. Strong administrative and interpersonal skills, in-itiative and readiness to follow through sential. Previous experience with the IBM PC and willingness to learn Lanier word processor necessary; some experi ence with technical typing preferred. Ability to work independently and under pressure necessary. Must enjoy working as part of a team. Minimum 4.5 years direct/related experience required B85-136

Administrative Secretary, The MIT Press - Director's Office, to provide office management and secretarial support for the Director's Office, including typing, or ganizing and maintaining files, keeping the Director's calendar, occasional hand delivery of documents, and coordination of the twice-yearly Board of Directors meeting. Familiarity with word process-ing and willingness to expand skills with Personal Computer; accurate typing, ex-perience with transcribing dictaphone tapes. Should enjoy coordinating meetings and interacting with a wide variety of

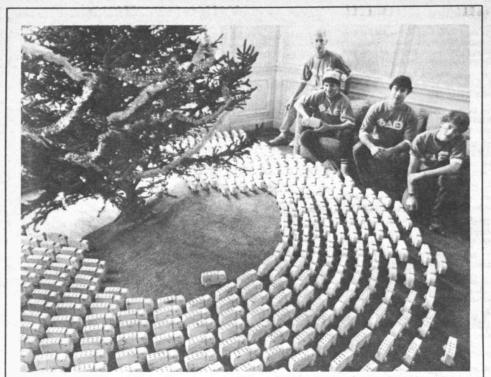
Sr. Secretary, Treasurer's Office, to perform secretarial duties related to the management of investment real estate in cluding letter and report preparation, filing, billing and processing of rent and mortgage payments. In addition, in dividual will prepare real estate property status reports and mortgage reports, and will monitor the fraternity mortgage program. Excellent typing, organizational and interpersonal skills are required. A knowledge of and/or willingness to learn word processing is necessary. Familiarity with real estate business helpful but not required. Applicants with a secretarial school degree preferred. In addition, 2.5 years direct/related experience is required. B85-024

Secretary, Aeronautics and Astronautics (part-time), to assist Sr. Secretary in sup port of 5 faculty members and associated laboratory personnel. Will type correspon-dence and classnotes, copy, answer phones, file and arrange appointments and travel. Excellent general typing skills

Technical Support Staff

Architectural Designer/Draftsperson Physical Plant, to prepare plans for In-stitute remodeling and alteration work. Must be able to develop a project from preliminary estimating through design and working drawings. Some field supervision experience helpful. Minimum five to ten years experience in the architec-tural field required. Ability to work with minimal supervision required. Knowledge of electrical and mechanical systems with prior experience in school or institutional remodeling work preferred. T85-121

Tech Talk, December 18, 1985, Page 7



500 wooden toy crayon trucks destined for Cambridge and Boston hospitals and orphanages surround a Christmas tree at the Phi Delta Theta fraternity house. The toys—the crayons fit into the holes in the truck body—were fashioned from blocks of wood at MIT's Hobby Shop by the fraternity members for Christmas distribution to ill and needy children. Anthony J. (Tony) Colonna of Staten Island, N.Y., second left, a junior majoring in mechanical engineering, organized the project, which was sponsored by the MIT Community Service Fund. Three other "Santa's Helpers" with him, from the left, are D. Scott Baird of Annandale, Va., Stephen P. Emeott of White Bear Lake, Minn., and Ronald T. Dagostino of East Northport, N.Y. Last year, the fraternity members distributed 250 toy trucks, tugboats and airplanes at Christmastime. —Photo by Calvin Campbell

Office Assistant

Administrative Assistant, Program in Science, Technology and Society, to perform administrative and secretarial duties for the Program in Science and Technology for International Security. Will maintain research accounts, monitor monthly accounting statements, and prepare yearly budget projections; type and proofread research papers (some technical), manuscripts, proposals and correspondence; order supplies, arrange travel, copy, answer phones, and file. Also responsible for ordering books, journals, and research papers for research library, as well as maintaining the library. Strong interpersonal skills important because of frequent interaction with faculty; students, and visitors. College background and knowledge of MIT preferred. Ability to work under pressure, and prioritize essential. Minimum 4.5 years direct/related experience required. S85-146

Accounting Assistant, Comptroller's Accounting Office, to perform internal cost audits of research contracts and grants; coordinate accounting, audit and cash flow functions with Office of Sponsored Programs, MIT Departments, and schools. General business education with 3-5 years of accounting experience or BA in Accounting or equivalent combination of formal education experience. Must be able to communicate well with personnel from other MIT departments and representatives of outside sponsors. S85-124

Administrative Assistant, Urban Studies and Planning (Environmental Planning and Design Program), to provide administrative support for joint programs in the Departments of Architecture and Urban Studies and Planning where extensive coordination is necessary to ensure that the program functions effectively. Will coordinate the subject offerings in the area including assisting in the search for appropriate faculty; scheduling offer-ings; monitoring offerings in terms of overlap and integration; preparing analyses of enrollments in subject and suggesting revisions to curriculum. Will manage communication of program in-cluding creating and distributing publici-ty to potential students and those enrollty to potential students and those enroli-ed; preparing and maintaining integrated catalogue of course offerings; answering inquiries; organizing and publicizing lec-ture series and special events; and connec-ting students with faculty appropriate to their interests. Will administer affairs of their interests. Will administer affairs of the program including coordinating group's participation in admissions pro-ceedings, typing class notes, correspon-dence, manuscripts, and articles. Will copy, answer phones, maintain files, and distribute mail. Will perform additional duties as requested. Good interpersonal skills with prior administrative and experience preferred. Excellent typing skills and familiarity with word processing and/or willingness to learn essential NON-SMOKING OFFICE S85-123 Office Assistant, Whitaker College Center for Biological Information Process-ing (part-time), to report to Co-director of nall interdisciplinary research group Duties will include organizing weekly seminar series, making travel arrangements, answering phones, copying, handling reprint requests and library searches, and providing for Center staff and visitors as needed. Good command of written and spoken English, affinity for dealing with international visitors and ability to type 45 wpm essential. Will-ingness to learn computer text-editing, electronic mail systems and MIT account ing procedures desirable. Minimum 1 year direct/related experience required. (20 hrs/week flexible) S85-135

rules and regulations and interpret policy. Will maintain files and assist aid officers in locating student information when requested. Responsible for all student information sheets and handouts containing current, correct information. Will process all incoming and outgoing mail, maintain postage machine; process financial aid transcripts and GRE and grad school application fee waivers; assist with special tasks and projects as assigned. Good communication and organizational skills preferred. Knowledge of financial aid and an academic setting helpful. Ability to work well under pressure necessary. Some typing skill required. Experience in dealing with the public as well as some college and work experience desirable. Minimum 1 year direct/related experience required. NON-SMOKING OFFICE S85-127

Head Custodian, Endicott House (Dedham, MA), to perform routine maintenance, cleaning and repairs of the heating, air-conditioning, plumbing and electrical systems. Will direct 4 employees in the general cleaning of Endicott House and Brooks Center. Will perform light painting, carpentry and general repairs; assist housekeeping department with heavy duty vacuuming and cleaning, washing, and waxing floors. Help grounds crew when necessary; control distribution of keys and maintain locks. Perform regular cleaning of fire and smoke alarms, check fire extinguishers, clean ice machine filters; oil all motors, control light timers, run errands for all departments and will be on emergency call when necessary. High School diploma and general experience in the areas of electrical work, plumbing, heating, air conditioning and carpentry preferred. S85-143

Service Assistant, Endicott House (parttime), to walk and record a 25-station watch covering Endicott House and Brooks Center. Will look for and take corrective action for unusual activity, including unlocked doors, lights and electrical equipment left on, etc., and log each incident at the end of the watch. Understand operation of fire and security alarm systems, as well as procedures pertaining to management, MIT Campus Police, Dedham Fire and Police Departments. Understand emergency health and accident policies and procedures, answer switchboard when not on rounds of the buildings, notify guests of emergency calls; and perform general administrative tasks as directed. High School diploma, knowledge of first aid, fire and other emergency procedures desired. Good verbal and written skills, good physical condition, and typing required. Excellent interpersonal skills necessary. (will work 2 nights midnight to 8am) S85-141

Service Assistant, Endicott House, to walk and record a 25-station watch coverto read engineering drawings and familiarity with basic machine shop tools and practices as well as basic electronics. Graduation from a two-year day technical school or its equivalent in applicable experience is the minimum experience required. H85-313

Technician A (E-M), Electrical Engineer ing and Computer Science -Microsystems Technology Laboratories, to assist in laboratory, research, or analytical work under the direction of scientific personnel. Will operate highly technical experimental apparatus, and have demon-strated considerable skill and good performance in the particular field of activity. Will require some supervision. Will be assisting in various aspects of the photolithographic and photo-masking areas; this includes the process development, operation, and maintenance of optical pat tern generators, photo-resist coaters and developers, wafer and mask step and repeat systems, wet-etch related semicon ductor processing equipment. This posi-tion requires the ability to work with sophisticated measurements equipment such as microscopes, line width measures, development rate monitor, SEM's and to gather data from this equipment and enter it into a CAF system. The in-dividual must be able to keep accurate laboratory notes, maintenance logs, and assist in the preparation of process documentation. Will be working in a state-of-the-art semiconductor fabrication area and will be required to follow strict procedures regarding cleanliness and the procedures regarding cleaniness and the safe handling of gasses and chemicals. The individual must possess willingness to be flexible regarding temporary tasks or when needed to provide technical sup-port outside of the designated area such as building support systems. Graduation from a two-year day technical school or its counselost and a minimum of two years equivalent and a minimum of two years applicable experience are required. Experience with microprocessor controlled equipment desirable. H85-312

Technician A (E-M), Microsystems Technology Laboratories, to assist in lab-oratory, research, or analytical work under the direction of scientific personnel. Will operate highly technical experimen-tal apparatus, and have demonstrated considerable skill and good preformance considerable skill and good performance in the particular field of activity. Will require some supervision. Will be assisting in various aspects of the thermal process-ing area, this includes the process devel opment, operation, and maintenance of diffusion and oxidation furnaces, LPCVD deposition systems, chemical cleaning sta-tions, and other related semiconductor processing equipment. Requires the abili-ty to work with sophisticated measure ment equipment such as microscopes, con ductivity probes, CV plotters, and to gather data from this equipment and enter it into a CAF system. Must be able to keep accurate laboratory notes, main-tain logs, and assist in the preparation of process documentation. Will be working in a state of the art semiconductor fabrication area and will be required to follow strict procedures regarding cleanliness and the safe handling of gasses and chemicals. Must possess willingness to be flexible regarding tempo-rary tasks or when needed to provide technical support outside of the designate area such as building support systems. Graduation from a two-year technical school or its equivalent and minimum of two years of applicable experience are required. Experience with microp controlled equipment desirable. H85-311 Houseman/Housekeeper, Housing, to be responsible to the House Manager. Will perform all duties associated with general cleaning in housing facility. This includes cleaning and waxing floors, washing of wall surfaces and windows (inside), vacuuming of floors, carpets, drapes and upholstery and dusting. Will spot clean carpet and upholstery as directed by supervisor. Will clean bathrooms, showers and kitchen appliances. Will service rooms when necessary including the making of beds, emptying waste baskets and distributing soap and towels. Will strip, refinish and buff floors using power equipment, and dispose of trash and rubbish Must be physically able to perform tasks outlined and be familiar with the use of cleaning equipment both power and hand. H85-309

←Here & There→

An MIT professor emeritus and an alumnus have received two of the first three Kyoto Prizes, designed to reward accomplishments in fields not covered by the Nobel Prizes. Cash prizes of approximately \$200,000 each went to Dr. Claude E. Shannon, Donner Professor of Science and professor of mathematics and electrical engineering, emeritus, and to Dr. Rudolph E. Kalman (SB '53 and SM '54, electrical engineering), a professor at both the University of Florida and the Swiss Federal Institute of Technology in Zurich.

Dr. Shannon, founder of the basic mathematical theory of communications known as "information theory," received the first Kyoto Prize in "Basic Sciences." Dr. Kalman received the prize in "Advanced Technology" for his work in control engineering and system theory.

neering and system theory. The prizes are sponsored by the Inamori Foundation, founded by Kazuo Inamori, president and chairman of Kyocera Corporation of San Diego, with a personal endowment of \$100 million in 1984. The company is the world's largest manufacturer of technical ceramics. The prizes are named for the city that helped spawn his business, and the award ceremony was held there in November.

Kenneth J. Cerino, MIT's sports publicity director, gets several requests each week for information on MIT teams. But he was a bit surprised this month to get a letter from France, from someone who signed himself "a young French friend and fan," asking for photos of the men's and women's basketball teams. "It's nice to know we have an international following," Ken commented.

MIT Professor Eugene B. Skolnikoff, in his role as chairman of the board of trustees of the German Marshall Fund of the United States, has hailed the recent \$40 million grant to the fund from the West German government. "It's a recognition of the value and performance of the fund in its first 13 years," he said, "and will make possible the establishment of a permanent fund of about the same size." It will also bring new emphasis to bear, he said, "on German-American relations, which are so important."

The fund is an independent American institution created in 1972 by a gift from the Federal Republic of Germany as a memorial to the Marshall Plan. Its programs deal with a broad spectrum of interest to Americans and Europeans. It has made 2,650 grants totaling more than \$37 million. Dr. Skolnikoff, professor of political science and director of the Center for International Studies, has served on the White House staff in the Science Advisor's Office in the Eisenhower and Kennedy administrations, and was a senior consultant to President Carter's science advisor.

-0-

Mark Harvey, lecturer in music, recently presented a paper on "Charles Ives and American Civil Religion" at the annual meeting of the American Academy of Religion. He also was recently named a Fellow of the Society for the Arts, Religion and Contemporary Culture.

PRESS CLIPPINGS:

-A Fortune magazine article on professors who work on Wall Street notes that the Sloan School's Fischer Black is prominent among them and, as the first academic hired by Goldman Sachs & Co., was a trendsetter. The academic "heavy-hitters" are "more than mere window-dressing," the magazine states, quoting a corporate finance consultant as saying, "They add real value, not just fluff. You're talking about the Jackie Robinsons and Babe Ruths of understanding financial markets."

-Dr. Herman Feshbach, Institute Professor and professor of physics, figures prominently in a Boston Phoenix feature on the American Academy of Arts and Sciences. Professor Feshbach, the academy president, told the newspaper, "We can indulge ourselves in doing projects which are not necessarily the agenda of universities or the government."

-The Associated Press and other news outlets gave national distribution to a letter to the British journal Lancet by MIT's Richard J. Wurtman in which he noted that three people suffered their first epileptic seizures after drinking large quantities of beverages sweetened with aspartame. While acknowledging that the association could have been coincidental, Dr. Wurtman, professor of neuroendocrine regulation, said doctors should question patients with unexplained seizures about their use of the artificial sweetener. He has long been concerned about the widespread use of aspartame and has urged the government to require label notices about aspartame content.

(Do you have something to contribute to Here & There? We're on the lookout for short items, preferably of a personal nature. They can be sent to Here & There, News Office, Rm 5-lll.)

Dresselhaus is Institute Professor

(continued from page 1)

appointments in physics as well as electrical engineering and computer science. She is affiliated as well with the Center for Materials Science and Engineering which she directed from 1977-83, and with the Francis Bitter National Magnet Laboratory. From 1972-74 she was associate head of the Department of Electrical Engineering and Computer Science for electrical engineering. Born in Brooklyn, N.Y., Dr. Dresselhaus

Born in Brooklyn, N.Y., Dr. Dresselhaus received the BA degree from Hunter College in 1951. Following a year as a Fulbright Fellow at Cambridge University, England, she entered Radcliffe College where she earned the MA degree in 1953. She received her PhD degree in 1958 from the University of Chicago where she had held a Bell Telephone Laboratory Fellowship.

Dr. Dresselhaus was an NSF Postdoctoral Fellow at Cornell University, 1958-60, and a staff member at Lincoln Laboratory from 1960 until she came to MIT in 1967. For several summers she was a visiting professor at universities in Brazil, Israel, Japan and Venezuela. 200 technical articles and papers, many written with her husband, Dr. Gene Dresselhaus, senior scientist at the Magnet Laboratory.

She serves on the visiting committees at The University of California, Berkeley, Harvard and the University of Chicago. She has also been active on dozens of committees of professional organizations and national commissions.

Professor Dresselhaus is a Fellow of the American Physical Society and was its president in 1984. She is also a Fellow of the American Association for the Advancement of Science and the Institute of Electrical and Electronic Engineers, a member of the National Academies of Engineering and Science and a senior member of the Society of Women Engineers and recipient of its 1977 Achievement Award.

Hunter College honored her with its Hall of Fame Award in 1972 and with an honorary ScD in 1982. Other honorary degrees have been conferred by Worcester Polytechnic Institute (1976), Smith College (1980) and New Jersey Institute of Technology (1984). Professor Dresselhaus and her husband have four children and live in Arlington.

Receptionist, Student Financial Aid Office, to communicate Financial Aid information to students, staff, parents and other visitors both on the telephone and in person. Will be responsible for all student interview scheduling and work with the aid officers to be sure they are informed of their schedules; keep abreast of the ever-changing Student Financial Aid

ing Endicott House and Brooks Center. Will look for and take corrective action for unusual activity including unlocked doors, lights and electrical equipment left on etc., and log each incident at the end of the watch. Understand operation of fire and security alarm systems, as well as procedures pertaining to management, including MIT Campus Police, and Dedham Fire and Police Departments. Knowledge of emergency health and accident policies and procedures necessary. Will answer switchboard when not on rounds of the buildings, and notify guests of emergency calls. Perform general administrative tasks as directed. High School Diploma and knowledge of first aid, fire and other emergency procedures desirable. Good interpresonal, verbal and written skills necessary. Must be in good physical condi-

essary. Must be in good physical condition. Some typing required. (will work 5 nights, midnight to 8am) S85-140

Service Staff

Technician B (E-M), Plasma Fusion Center, to assist in laboratory or research work and operate experimental and technical equipment under the supervision of scientific personnel or technicians of a higher grade. Must be able to work for periods of time without supervision. Will work in the TARA Vacuum Shop assisting in the maintenance, fabrication, installation and modification of parts and equipment for a high vacuum system and experimental apparatus. This position requires good mechanical skills, the ability She is the author or coauthor of more than

Widnall to be AAAS president

(continued from page 1)

an associate professor in 1970 and professor in 1974.

A specialist in the field of fluid dynamics, she received the Lawrence Sperry Award of the American Institute of Aeronautics and Astronautics in 1972 and the Outstanding Achievement Award of the Society of Women Engineers in 1975. She is a member of the National Academy of Engineering.

Professor Widnall serves on the board of directors of the Carnegie Corporation of New York City and Chemical Fabrics, Inc. She is a member of the Panel on Public Affairs of the American Physical Society; the US National Committee on Pure and Applied Mechanics; the Committee on Fluid Dynamics of the American Society of Mechanical Engineers; and the Advisory Committee to the Engineer ing Directorate of the National Science Foundation. In addition, she is associate editor of Physics of Fluids and The ASME Journal of Applied Mechanics.

In 1974, on a one-year leave of absence from MIT, Professor Widnall served as the first director of university research at the US Department of Transportation in Washington.

At MIT, Dr. Widnall has served on several key committees, including in 1969 the Commission on MIT Education, the Institute's first major reexamination of its curriculum and educational objectives since 1945.

She has been active in the Women's Forum at MIT and took part in a Carnegie Foundation study of ways to encourage women to enter nontraditional careers.

Professor Widnall and her husband, William S. Widnall, also an aeronautical engineer, have two children and live in Lexington.

Page 8, Tech Talk, December 18, 1985