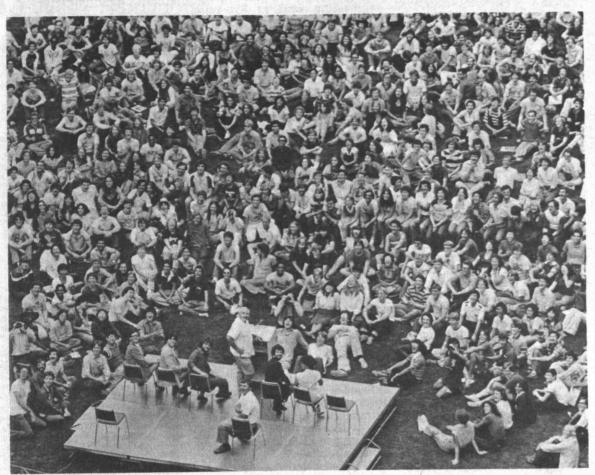
Massachusetts Institute of Technology



September 3, 1980 Volume 25 Number 5



Killian Court was a crowd scene Friday when the 1,100 members of the Class of 1984, plus many of their advisors arrived for the annual Freshman Picnic. A new tradition has been the dropping of a message from the Building 10 parapet. This year's version: "War is Peace; Slavery is Freedom; Commons is Edible."

Class Of '84 Gets Acquainted

For years, people have been worrying about it. Now 1984 is here—the Class of 1984, that is.

Nearly 1,100 strong, this year's freshman class has representatives from 48 of the 50 states— North and South Dakota are missing-and from 27 foreign countries. It includes 254 women and 104 members of minority groups. An effective letter writing and telephoning campaign is credited with increasing the number of women entering this year.

The class was selected from 678 applicants—the most

ever-of whom 1,800 were accepted. They come from 708 US public schools, 137 US independent or church-related schools and 58 foreign schools.

As is customary, the class is academically accomplished and well prepared to study and do research at MIT. More than 90 per cent were graduated in the top 20 per cent of their high school classes. One member of the class has won two national math contests; one speaks four languages; one has won a national spelling bee; many have already worked on

research projects and some have built complex electronic equipment.

Their extracurricular interests are broad, too. One has published a novel and is working on another, while another has operated a printing business. One earned money doing magic shows; another as a disc jockey. Several have worked with handicapped children and one has designed and patented a game.

They are also musically talented. One has studied at con-(Continued on page 6)

Arts Council Issues Call For Proposals

The Council for the Arts at MIT invites applications for grants in the areas of architecture, dance, design, environmental arts, literature, media arts, music, photography, theater, visual arts and special projects.

Campus organizations, students and faculty are eligible to apply for project and program assistance Projects involving arts groups outside the Institute must be sponsored by an MIT organization.

Black Poetry And Music Planned

An "Evening of Black Poetry and Song" will be presented by the MIT Black Graduate Student Association on Friday evening, Sept. 12, from 8-10pm in the Bush Room (10-105).

Five black poets from the Boston area will read from their works. Two are students at MIT: George Smith, a graduate student in urban studies and planning, and Osagyefo Karimi, a graduate student in physics. Two are Roxbury based poets: Ted Thomas, and Everett Goodwin, author of The Blues Ain't Nothin' But a Poem. The fifth, Bob Walthall, is host of a weekly half hour radio program on WHRB.

The musical part of the program will include both choral and instrumental performers. The New

Council grants vary in amount from several hundreds to several thousands of dollars. As funds are limited and competition intense, preference is given to projects that are unusually imaginative, that use one or more art forms in interdisciplinary ways, that launch new initiatives, that aim at special onetime events or that contribute to

Grants are not made for curricular activities, for continuing

England Conservatory Gospel Choir will sing, and there will be performances by saxophonist Charles Trevor, a graduate of the Berklee School of Music and by

jazz pianist Gary Rickson.

The program, which was funded by a grant from the MIT Council for the Arts, was planned with two main objectives: to present an evening of poetry at MIT, which is somewhat unusual in itself, and to enrich the community with an exposure to the contributions of Afro-Americans in the realm of literature as well as in music. The BGSA hopes that taken as a whole, the program will enhance the overall quality of life for minority students

Admission is free.

support of ongoing programs, or to individuals for creative or professional work except under special circumstances

The first application deadline for this academic year is October 8. Later deadlines have been tentatively scheduled for December 3 and March 6.

All proposals will be reviewed by the Grants Committee of the Council for the Arts; applicants will be notified of committee decisions by President Gray. Criteria for review include overall quality of the proposal, the applicant's qualifications to complete the project effectively, potential for broad audience and student participation and complete information about the scope of the project, its purpose, personnel, schedule and

Additional information, application forms and guidelines may be obtained from the Council for the Arts at MIT, Rm 20D-220, x3-4003.

Poster Inside

The center two pages of this week's paper outline the services and personnel of the Office of the Dean for Student Affairs. The Institute Calendar, which normally appears in the center of the paper, will be found on page 3 this week.

Inaugural Symposia Speakers Announced

Three special symposia on key social and technological issues of the times will be held Wednesday, Sept. 24, and Thursday, Sept. 25, as part of a four-day series of events celebrating the inauguration of Dr. Paul E. Gray as 14th president of

Prominent scientists, educators and policymakers from the U.S. and abroad will participate in the symposia, which will focus on three topics:

"Computers and People: Future Partnership or Conflict?"

-"New Large-scale Energy Supply Technologies: Prospects and Problems'

-"The Other Energy Crisis: Food and Hunger.

Highlight of the inaugural festival will be the colorful inauguration ceremony, to be held Friday, Sept. 26, in Killian Court.

The symposium on "Computers and People: Future Partnership or Conflict?" will be held from 2 to 4 pm Wednesday, Sept. 24, in Rm 10-250 at MIT. Speakers will be Professor Daniel Bell, Henry Ford II Professor of Social Sciences at Harvard University; Dr. Marvin L. Minsky, Donner Professor of Science in the MIT Department of Electrical Engineering and Computer Science, and Professor Michael Rabin, Albert Einstein Professor of Mathematics at Hebrew University of Jerusalem. Chairman of the session will be Dr. Michael L. Dertouzos, director of MIT's Laboratory for Computer

The second symposium, on "New Large-scale Energy Supply Technologies: Prospects and Problems," will be held from 9:30 to

(Continued on page 6)

Campus Patrol Officers Aid MDC In Capturing Gunman

Two members of the MIT Campus Patrol were credited with outstanding police work early last Saturday in the wounding and capture of one of the two men who had led Metropolitan District Commission police in a running gun battle from Boston to Cambridge and onto the MIT campus.

Patrol Chief James Olivieri said Officers Brent J. Nelson and Richard D. Cox "reacted in a highly professional manner in accordance with our fire arms policy under extremely stressful and threatening conditions and are to be commended."

Wounded in the shoulder in an

encounter with Officers Nelson and Cox in the Westgate parking area was David McColl, 31, of Allston, who, MDC police said, escaped from the Massachusetts Correctional Institution at Norfolk last April 18. He had been serving a lfie sentence for second degree murder, assault, rape and armed robbery. He was taken to Mt. Auburn Hospital by the Cambridge Fire Department Rescue Squad where he was in fair condition Tuesday. He originally was identified by the name James P. Nobbitt, but MDC police said they later determined that was an alias.

(Continued on page 6)

Phillip Sharp Receives ACS' Prestigious Eli Lilly Award

Dr. Phillip A. Sharp, professor of biology, has been chosen as the

1980 recipient of the American Chemical Society's prestigious Eli Lilly Award in Biological Chemistry The award, which was established in 1934, is given

annually to a Dr. Sharp

in biological chemistry, with

scientist under age 36 who has ac-

emphasis on independence of thought and originality.

The Eli Lilly Award, which consists of a cash prize and a bronze medal, was presented to Professor Sharp on Tuesday, Aug. 26, in Las Vegas, Nevada, at the Second Chemical Congress of the North American Continent, at which a symposium was scheduled to be held in his honor.

Only two awards in the general area of biological chemistry are given each year by the American Chemical Society. These are the Eli Lilly Award in Biological complished outstanding research Chemistry and the Pfizer Award in (Continued on page 6)

New Programs To Address Stress, Good Nourishment

Want to feel more relaxed and better nourished, too? If so, the MIT Medical Department is offering two new programs that many help

The two noon-hour programs will be a stress management workshop and discussions on nutrition.

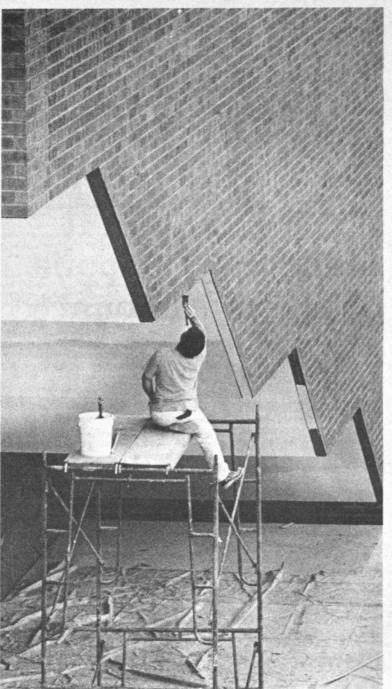
The stress management workshop will be led by William Kennedy, PhD, consultant in stress management, beginning Thursday, Sept. 25, in the Marlar Lounge (Rm 37-252). The six sessions will include information on how to identify causes of stress, the relaxation response and exercises

to relieve physical and emotional tension. Also covered will be time pressures, overload and interpersonal relationships.

Participants will learn and practice creative problem-solving and techiques to promote healthful living. Brochures and registration forms are available in all of the racks in the Medical Department and in the Health Education Service. Rm W5-301.

There is a \$20 fee (\$15 for Health Plan members and students) for the workshop and registration will be limited to 50.

(Continued on page 6)



Painter paints outside edges of a stairwell in the new Indoor Ice Rink and Special Events Center that will open later this fall.

Schreiber, Rich Appointed To Gordon Professorships

A present member of the MIT faculty and a well-known Boston area entrepreneur just appointed adjunct professor at the Institute are the first to be named to the newly-created Bernard Marshall Gordon Professorships in Engineering Innovation and Practice in the MIT Department of Electrical Engineering and Computer Sci-

They are William F. Schreiber, professor of electrical engineering and a member of the MIT faculty since 1959, and Stanley S. Rich, who became an adjunct professor in the department July 1. The Gordon appointments were announced by Professor Gerald L. Wilson, head of the department.

The Gordon Professorships were endowed through the Gordon Faculty Fund, established in 1974 by Bernard Marshall Gordon, an electrical engineer with a distinguished record in invention and successful product design. An MIT alumnus (SB and SM '48), Mr. Gordon has founded several engineering firms and is chairman of the board and technical director of Analogic Corporation, Wakefield. He has maintained a close relationship with MIT, serving on the

MIT gave everyone fits last sea-

son with its hustling, aggressive

style of play, and two players who

return to continue that vigor are

forward Jay Walsh of Foxboro and

fullback John Busa of Needham,

both Greater Boston Conference

all-stars. "Walsh is a hard-worker

while Busa is probably the best-skilled player on the team," says

Others to watch are halfback Bill

Uhle, forwards Malcolm Duke and

Steve Pomeroy, fullback Jim

McLaughlin, and goalie George

Kraynak of Haverhill ("not

spectacular, but steady," notes

scoring punch and help from in-

coming freshmen, but Alessi feels

better defense and more experi-

ence will produce better results

In a nutshell, MIT needs more



Mr. Rich

Dr. Schreiber physics from Harvard, Dr Schreiber spent two years on the engineering staff at Sylvania **Electric Products before becoming** electronics research scientist at Technicolor Corporation in Hollywood, Calif. in 1953. He joined MIT in 1959 as associate professor of electrical engineering and became professor in 1968. From 1964 to 1966 he was visiting professor at the Indian Institute of Technology in Kanpur, India.

Mr. Rich's principal fields of interest are ultrasonics, electrostatics, electromechanical systems and components and electrical engineering applied to the process industries, in a career that has emphasized new product development. He has directed development of more than 25 products and holds more than 50 U.S. patents. A 1938 graduate of City College of New York School of Technology, he worked for the U.S. Navy 1938-43 and at Harvard University's Underwater Sound Laboratory 1943-45. He went into industry in 1945 and in 1950 became president of Ultra-Viscoson, the first of six companies that he was to found or direct over the next 29 years, the others being: General Ultrasonics Corp., Acoustics Associates-General Ultrasonics, Teknika, Inc., RP Industries and O'Donnell and Rich, Inc. He presently is executive vice president and technical director of O'Donnell

INSTITUTE

Announcements

Physical Education Classes**—Registration for the first quarter will be held Tuesday, Sep-tember 9, 8:30-llam, DuPont Gymnasium. Seniors, please be sure of your status.

The Student Accounts Office**—Open Friday, September 5, from 9am-4pm for receipt of payments and emergency dean fund loans only. Students who have other financial matters to discuss should delay coming to the Student Accounts Office until Monday, Sept. 8, when

Steptember Degree Candidates***-should make immediate payment of past due balances at the Student Accounts Office, Rm E19-215, to avoid jeopardizing conferral of their degrees

MIT Symphony Auditions*-for 1980-81 season, on Sept. 8, 9, 10, 13. All University instrumentalists welcome. Forms available at Rm 14N-430.

MIT CHORALLARIES**-Auditions for MIT's mixed pop/jazz/folk close harmony singing group Monday, Sept 8-Wednesday, Sept 10, 8lipm. Many positions open, SATB. Info: David Bass, x3-6445 afternoons and evenings, or John Teich, x3-2514. Student Art Association**— Registration for classes in painting, drawing, claywork, photography, calligraphy and stained glass begins Thursday, Sept. 4. Classes begin week of Sept 22 and run for 13 weeks. Info: x3-7019, 1-5pm weekdays.

Club Notes

MIT Tae Kw on Do Club*-Classes taught by Byung I. Choi, third degree black belt, Mondays, 6pm, T-Club Lounge, Wednesdays, 6pm, ce Studio, \$10/mo.

MIT OUTING CLUB*-Office will be open to rent equipment and plan hiking, canoeing, hik-

CABLE TELEVISION SCHEDULE

The MITV Cable System will be featuring videotapes of ongoing R/O activities. Watch our ment system on MITV Cable Channels 8, 10 and 12 to see when these programs will be cablecast.

WEDNESDAY, SEPTEMBER 3 Channel 8

10am-12n ACADEMIC CONVOCATION FOR ALL FRESHMEN—A live presentation. Over-flow viewing space in Rm 10-250.

THURSDAY, SEPTEMBER 4

7-10pm VIDEO CLUB PRESENTATION OF PAST PROGRAMS FOR ACTIVITIES MIDWAY-MIT 5.0 and other popular MIT

shows.

hard of a deplete that had bell before.

7-10pm LIVE FROM THE ACTIVITIES MIDWAY—Video Club will produce a live, spon taneous cablecast from duPont Gymnasium.

Wu-Tang Chinese Martial Arts Club*—Practice, Saturdays, 10am-2pm, Rm 491, Student Center. Bring shorts, T-shirt and sneakers.

ing, skiing, snowshoeing, etc. trips every Mon-day and Thursday, 5-6pm, Student Center, Rm W20-461. Info on door of Rm 3-113.

MIT Tiddleywinks Association**—Meetings every Wednesday at 8pm in Rm 473 of the Stu-dent Center. Beginners welcome and wanted.

Religious Activities

The Chapel is open for private meditation 7am llpm daily.

Tech Catholic Community®—Sunday liturgles: Sept 7, 9am, 12noon and 5pm, MIT Chapel.

Lutheran Episcopal Ministries*— Interdenom-inational service of Holy Communion, Wednesdays, 5: 10 pm, MIT Chapel. Supper follows in the basement of 312 Memorial Drive.

STUDENT JOBS

Applications for Library jobs due Tuesday, Sept.9, in 14S-318, Positions to be scheduled at sign-up meeting Sept. 10. Call Karin, x3-5600.

Food Services needs you to work and will fit our work schedule to yours. Call x3-6491 or stop by Student Employment Office, Rm 5-119.

Other Opportunities

The Medical Foundation, Inc. and The Charles A. King Trust**—Applications for 1981 postdoctoral research fellowships in the bio-sciences or community health are due by October 10, 1980 for grants beginning on or after February 1, 1981. Fellowships provide \$16,000 for one or two years to biomedical researchers who have already completed two or three years of post-doctoral research. Copies of announcement available in the Development Office, Rm 10-277, x3-3839. Info: G. Rodger Crowe or Janet E. Brown, Rm 10-277, x3-3839.

UROP Listings

For more detailed information on UROP opportunities listed, MIT undergraduates should call or visit the Undergraduate Research Opportunities Program Office, Room 20B-141, x3-5049 or 3-4849 unless otherwise specified in the listing. Under-graduates are also urged to check with the UROP bulletin board in the main corridor of the Institute

WELCOME FRESHMEN AND OTHER

UROP invites you to participate with MIT faculty members in a wide range of research activities. The 1980/81 UROP Student Research Opportunities Directory is now available in the Information Office, Rm 7-121. First read "The Basics" section of our Directory, then talk with coordinators and faculty members; come to the UROP Office, Rm 20C-141, x3-5049 with specific questions. Current project offerings will be listed in this weekly column and on the UROP bulletin board in the main corridor of the

CALL FOR PROPOSALS

Proposals for fall UROP support may be turned in any time after Sept. 8. Please submit them for review and signature to the UROP coordina-tor in your faculty research supervisor's department before turning them into the UROP office. For details on proposal writing and submission read the "How to Participate" section of the 80/81 UROP Directory.

General Principles: Don't ask for what you don't absolutely need. Be sure you have submitted your past UROP evaluations. Write a co herent proposal.

nent of Awards: Starting the week of Sept. 22 the UROP office will announce funding decisions. Please don't call that week. Answers will get out as fast as we have them Decisions will be made in order of receipt of proposals until the money runs out.

Availability of Funds: 1) Generally available for materials and supplies requests within reason. 2) Generally available for overhead waiver requests when faculty or departments offer wages to UROP students. 3) Tougher to get if you're asking for significant wages from UROP

GENETIC TOXICOLOGY

Students are invited to participate in research projects concerning the study of mutagenesis in human cells especially hypermutable and hypo-mutable cells, also the isolation of heterozygotes for drug resistance. Projects begin immediately. Sophomores preferred but others accepted. Contact Prof. W.G. Thilly, x3-6220,

FABRICATION OF ARTIFICIAL SKIN

An opportunity exists for an undergraduate with strong interest in the crystal structure of proteins used in the fabrication of artificial akin and blood compatible tubing. Pay available. Contact Prof. I.V. Yannas, x3-4400. THERMAL EFFECTS ON DNA AND CELL

A student is invited to participate in a study concerning the mechanisms of heat (45 degrees C) damage and repair to the bacterial DNA. will begin by determining the viability of E. coli under different heating conditions

Contact Prof. R.F. Gomez, x3-5108, Rm 16-222.

TECH TALK Volume 25, Number 5 September 3, 1980

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Advisory Committee of the MIT Innovation Center and giving frequent lectures on a variety of electrical engineering topics. His aim in establishing the Gordon Faculty Fund was to stress proficiency, creativity and product development in the training of electrical engineers. Dr. Schreiber's interests center on image processing, visual perception and laser scanners. He was active in the development of laser scanners for graphic arts and medical applications. An electrical engineering graduate of Columbia -Photo by Calvin Campbell University with a PhD in applied

Echoes

August 28 - September 3

50 Years Ago

Freshmen Rules this year include: 1. All freshmen shall wear regulation ties, four-in-hand, with cardinal and grey stripes. These should be worn whenever the freshmen are on Institute grounds. The ties will be sold by the Freshmen Rules Committee and the Coop. 2. Freshmen are expected to speak to all members of the Faculty and tip their hats to the President of the Institute and the Dean. 3. Freshmen should not loiter around the Main Lobby or sit on the benches in the lobby. If the Freshmen win the Field Day, this restriction will be abandoned.

40 Years Ago

President Compton has issued a statement to clarify how the Burke-Wadsworth Military Service Conscription Bill affects the Institute student. Basically, all male citizens and aliens between the ages of 21 and 36 are required to register, except ROTC students in the Junior and Senior classes. If a student is selected for service during the academic year, he may defer service, upon request, until the end of the academic year.

25 Years Ago

Three thousand cases of polio have been reported in Massachusetts since July 1. The epidemic of this crippling disease has crowded many hospitals, including five in Boston; Massachusetts General alone has admitted 400 cases, of which 140 are still there. Volunteers are desperately needed and several Tech students have been donating their evening hours to help out in the polio wards with the iron lung cases.

Prepared by Jeanne Duperreault, MIT Historical Collections. x4444.

Soccer Coach Says Team **Faces Challenging Schedule**

By KEN CERINO Sports Information Director

MIT soccer coach Walt Alessi doesn't mince any words when he says his team has a big challenge ahead of them in 1980. The Engineers (2-10-1 a year ago) have one of their toughest schedules ever starting with the season opener Wednesday, Sept. 17, at Harvard followed by a home contest with Divison III national champion Babson, Wednesday, Sept. 20, in Steinbrenner Stadium. Games with highly regarded Brandeis and W.P.I., and Division I rivals Boston University and Boston College are also on the slate.

"It's a very tough schedule," admits Alessi. "But with 14 lettermen back, we hope the progress we made at the end of last year (a 2-0 shutout win over Coast

Guard) will carry over into this

Pharmacy College Names King

Alessi)

this time around.

James T. King, a member of the office of Corporate Relations, he MIT community for 27 years, has been appointed to a major administrative post at the Massachusetts College of Pharmacy and Allied Health Sciences.

Mr. King was named assistant to the president for development, effective July 15.

At MIT, Mr. King was a technical instructor in the Department of Civil Engineering from 1968 to 1971 when he joined MIT's Urban Systems Laboratory as project director of the laboratory's medication delivery system project. He was a staff member in Resource Development from 1973 until he took the College of Pharmacy post. Mr. King came to MIT in 1953.

He participated in MIT's successful Leadership Campaign that raised \$250 million. He previously served as project officer during the drive to fund a new building for the Department of Chemcial Engineering, the Ralph Landau Building. Later, as manager of corporate support programs in the

was responsible administratively for the follow-up activity of the National Business Committee during the campaign.

Last May, Mr. King headed a \$100,000 fund drive to aid the Hampden Campus of the Massachusetts College of Pharmacy and Allied Health Sciences at Western New England College, Springfield. In 1975 he received the honorary Master of Pharmacy degree from the college. The citation listed, among other things, Mr. King's "notable contibutions to community health services" and his service to the president of the College of Pharmacy on minority

Ensemble Scenes

The MIT Shakespeare Ensemble will give two performances of scenes in the MIT Chapel on Thursday, Sept. 4, at 7:45pm and at 9:15pm.

Both performances are free and open to the public and will include discussions with the actors,

Page 2, Tech Talk, September 3, 1980



September 3 through September 14

R/O Week Highlights

Wed, Sept 3: 9am-9pm: R/O Center open. 10am: Academic Convocation for all freshmen, Kresge Auditorium. 10: 30am: Dean's office welcome for transfer students, Mezzanine Lounge. 11am-11pm: elsewhere open in Private Dining Room #2, Student Center. 11: 15am-5: 45pm: MIT-Red Cross Blood, Rm 491, Student Center. Info: x3-7911. 12: 15pm: transfer student luncheon, Sala de Puerto, Student Center. 2-4pm: Academic midway, duPont Gymnasium. 4pm: Women's get-together with women faculty members, Rm 3-310, refreshments served. 4: 30pm: Black Heritage Trail walking tour of Boston leaving from Student Center steps.

Thurs, Sept 4: 9am-11pm: R/O Center open. 9:30pm-5pm: International Student Open House, Rm 10-105. 7pm-9:30pm: Athletic Midway, Rockwell Cage. 7pm-10pm: Activities Midway, duPont Gymnasium.

Fri, Sept 5: 9am-5pm: R/O Center open. 1:30-4:30pm: R/O Treasure Hunt starting, Student Center steps. 3pm-8pm: Parents' Desk, Lobby 7. 4pm: Dean's office final get-together for tansfer students in Private Dining Room #3. 6pm: BSU-MASA Dinner, Student Center, Mezzanine Lounge.

Sat, Sept 6: 9am-8pm: Parents' Desk, Lobby 7. 9am-5pm: R/O Center open.

Sun, Sept 7: 9am-4pm: Parents' desk, Lobby 7. 11am-4pm: R/O Center open.

Men, Sept 8: 5:30pm, Black Student Union/MASA Reception, BSU Lounge, Rm 50-105. 8-11pm: Chorallaries pop/folk/jazz singing group auditions, McCormick Lounge. Information: David Bass x3-6445.

Graduate R/O

Wed, Sept 3: 9-5pm: Information Center, Rm 7-111.

Thurs, Sept 4: 9-5pm: Information Center, Rm 7-111. 10-11am: welcoming ceremonies, Kresge Auditorium. noon-2pm: picnic, Killian Court. 2-4pm: open house for women, Rm 3-310.

Fri, Sept 5: 9-5pm: Information Center, Rm 7-111. 11: 30-3: 30pm: minority graduate orientation, Rm 10-105. 9pm-lam: Faculty Club Dance, Faculty Club, 6th Floor.

Sponsored by the Graduate Student Council. For further information call x3-2195 or stop by Walker Memorial Building, Rm 222.

Seminars & Lectures Wednesday, September 3

The Subclassification of Alpha Adrenergic Receptors of Isolated Rat Hepatic Pharenchymal Celis*—Dr. Margaret E.M. Tolbert, director, Carver Research Foundation of Tuskegee Institute, Tuskegge, Alabama. Sponsored by the US Army Natick Research and Development Command, 10am, Rm 66-160.

Friday, September 5

Self-Organizing Effects in Plasmas*-Dr. Akira Hasegawa, Bell Laboratories, New Jersey. Special Plasma Fusion Seminar, 3pm, Rm NW14-209. Refreshments served.

Tuesday, September 9

Experimental and Theoretical Study of Two-Phase Flow in Centrifugal Pumps*--Juan J. Manzano-Ruis, doctoral thesis presentation, mechanical enigneering, 1pm, Rm 1-114.

Buckling of Structures with Random Imperfections*--Prof I. Elishakoff, The Technion, Israel. Applied Mechanics Seminar, 2pm, Rm 1-246. Coffee at 3pm, Rm 1-236.

A Study of Cryopreservation Protocols for Biological Organs®.-Boris Rubinsky, doctoral thesis presentation, mechanical engineering, 2:30pm, Rm 1-375.

Sound Generation from Impacted Paper*-- Ilene Busch-Vishniac, doctoral thesis presentation, mechanical engineering, 3: 30 pm. Rm 3-343.

Selective Permeability of the Blood-Brain Barrier*--William H. Oldendorf, M.D., neurology and psychiatry, UCLA School of Medicine. Whitaker College of Health Sciences, Technology and Management and the Neuroendocrine Regulation Laboratory, Department of Nutrition and Food Science Seminar, 4pm, Rm 66-110.

The Novel Protein Chemistry of the Third and Fourth Components of Complement*--Dr. Rodney R. Porter, blochemistry, University of Oxford, England. Biology Colloquium, 4: 30pm, Rm 6-120. Coffee served at 4pm, Vestibule, 5th Floor, Bldg 56.

Wednesday, September 10

Mechanical Design of the Rotor of a Fault-Worthy 16 MVA Superconducting Generator*-Kenneth A. Tepper, doctoral thesis presentation, mechanical engineering, 3pm, Rm 1-146.

introduction to Homer's Illiad^{e.}-D. M. Halperin, Masterpleces of Western Literaure, a lecture series sponsored by The Literature Section, Department of Humaniiles, 7pm, Rm 4-149.

Community Meetings

Roommate Get-Together**--The off-campus housing service is coordinating a roommate get-together September 3, 5-7pm, Mezzanine Lounge, Student Center. This provides an opportunity for newcomers and continuing MIT affiliates to meet potential roommates. Light refreshments will be served.

Register for Art Classes. Sponsored by the Student Art Association. Classes in drawing, painting, claywork, parent-toddler art, photography, calligraphy, chush painting and stained glass. Registration begins Sept 4, 1-5pm, Student Center. Classes begin Sept 22. For information call x3-7019, 1-5pm.

Community Players First General Meeting**.-Fri, Sept 12, 6:45pm, West Lounge, Student Center. Brief meeting with refreshments after which the Musical Theatre Guild's production of Pippin will be seen. For information or ticket reservations call Will Durfee x3-5332.

Alcohol Support Group**--Sponsored by the Personal Assistance Program, Medical Department. A self-help support group for persons concerned about the effects of excessive alcohol use on their lives. For place, time and day of the week, contact Ron Fleming x3-4911. Coffee and doughnuts served.

Hiking and/or Cabin Building*--Sponsored by the Outing Club. Get a sneak preview of the Don't Drop Inn, the Outing Club's almost funished cabin in the White Mountains, or go hiking. Fri, Sept 5, 6pm throught Sunday evening. Admission: \$10 for transportation, food provided. For information come to Rm W20-461 Thursday, 5-6pm or see note on Rm 3-111.

Canoe Trip*-Sponsored by Outing Club. Relaxed canoeing on a scenic river near Wellesley. Fri, Sept 5, 9am. For information come to Rm W20-461 (Thursday, 5-6pm).

Social Events

Family Night***.-Soup, salad, honey baked chicken and steak, whipped potatoes and gravy, green beans amandine, chocolate cake, \$6.75 tax, children under 12 years \$.05 per lb. Tues, Sept 9, Faculty Club. For reservations call x3-4896.

Muddy Charles Pub**-Open Monday through Friday, 11: 30am-2pm and 4-8pm. Located on the first floor of Walker, facing the Charles. Beer, wine and snacks served.

Faculty Club***--Open Monday through Friday. Luncheon served noon-2pm; dinner served 5: 30-8pm, Happy hour: Monday through Thursday, 4: 30-6; 30pm, wide variety of drinks \$1.25.

Theater

Shakespeare Ensemble Performances*.-Two scenes taken from Hamlet and one from Measure for Measure; one from Summer and Smoke by Tennessee Williams, and a complete shot play by Harold Pinter called Night. Thurs, Sept 4, 7:45pm, 9:15pm, Chapel. Free, open to the public, followed by a discussion with the actors about their work.

Pippin*-Sponsored by the Musical Theatre Guild. Fri, Sept 5, 8pm; Sat, Sept 6, 2pm and 8pm; Thurs, Fri and Sat, Sept 11, 12, 13, 8pm, Kresge Little Theatre. Admission: \$4.50/\$2.50 w/MIT ID.

Dance

Hatha Yoga--Oki Zen Yoga*--Taught by Cynthia Friedman, small classes in Indian and Japanese yoga, combination of breathing, relaxation, creative visualization and affirmation. Classes begin on Tues, Sept 5 and Thurs Sept 7, 6-7: 30pm. Information call Cynthia x3-4981, M-Th 1-4pm.

Folk Dance Beginner's Night*--Sponsored by the Folk Dance Club, international folk dancing on Sun, Sept 14, 7:30-11pm, Sala de Puerto Rico, Student Center. No experience necessary. For information call 494-8389.

Movies

American Graffiti**-LSC Movie. Fri, Sept 5, 7 & 9:30pm, Kresge Auditorium. Admission: \$1, MIT or Wellesley ID required. Free for freshmen.

Oh, Godoo--LSC Movie. Sat, Sept 6, 7 & 9: 30pm, Kresge Auditorium. Admission: \$1, MIT or Wellesley ID required.

Dr. Strangelove**--LSC Movie. Sun, Sept 7, 6: 30 & 9pm, Rm 26-100. Admission: \$1, MIT or Wellesley ID required.

Chaplin Program F^{**} —Department of Humanities Film Series. Tues, Sept 9, 7pm, Rm 66-110. Free.

You Have Seen Nothing at Hiroshima**...Department of Humanities Film Series. Wed, Sept 10, 7pm, Rm 66-110. Free.

Animal House**--LSC Movie. Fri, Sept 12, 7 & 10pm, Kresge Auditorium. Admission: \$1, MIT or Wellesley ID required.

The Great Dictator**.-LSC Movie. Fri, Sept 12, 7: 30pm, Rm 10-250. Admission: \$1, MIT or Wellesley ID required.

10°°--LSC Movie. Sat, Sept 13, 7 & 10pm, Kresge Auditorium. Admission: \$1, MIT or Wellesley ID required.

Cabaret **-- LSC Movie. Sun, Sept l4, 6: 30 & 9: 30pm, Rm 26-100. Admission: \$1, MIT or Wellesley ID required.

Exhibits

Historical Collections Permanent Collections®--A unique collection of scientific instruments, architectural drawings, portraits, photographs and memorabilia that illustrates M.I.T.'s history and development in 19th century technology. On view Mon-Fri, 9am-5pm, 265 Mass. Ave., 2nd floor, Cambridge. Information call



NEW CAMBRIDGE RESIDENTS, MIT President Paul E. Gray and Mrs. Priscilla K. Gray, register to vote at the Cambridge Electrion Commission in Central Square. The Grays recently moved from Winchester to the President's House at MIT, necessitating the new registration. MIT students won't have to go as far as Central Square to do the same thing, but can register to vote when they register for the fall term in duPont Gymnasium Monday, Sept. 8. Chuck Markham, president of the Undergraduate Association, sponsors of the voter registration drive, says that other dates for registration will be announced later in the term. On the final day of registration, October 7, 1980, prizes will be awarded to the living groups with the greatest numbers of members who have registered to vote.

Historical Collections*-Solar Energy, Bldg 8, main corridor. Samuel Cate Prescott, main corridor, Bldg 4. Rogers Building Exhibit, Bldg 4. Norbert Wiener, and Karl Taylor Compton, Bldg 4. Laboratory for Physical Chemistry, Bldg 6. Community Service Fund, main corridor Bldg 4. Ellen Swallow Richards, Bldg 4. Society Sigma XI, main corridor Bldg 8.

MIT 1848-1868*-On view Mon-Fri, 9am-5pm, outside corridor, Margaret Hutchinson Compton Gallery. Information call Historical Collections x3-4444.

The Presidential Portraits*-On view through October 1. In a formal gallery setting, portraits of all of the presidents of MIT are exhibited in this permiere showing, which includes 15 oil portraits and eight busts. Mon-Fri, 9am-5pm, Rm 10-150, Margaret Hutchinson Compton Gallery. Free. Information: call Historical Collections x3-4444.

Pottery Exhibition and Sales.—Sponsored by the members of the MIT Student Art Association. Tues & Wed, Sept 9 and 10, 10am-4: 30pm, Lobby 10. For information call x3-7019.

Movie Room®--An experimental visual presentation by Michael Naimark, on view Sept 5 throuth Sept 19, Monday-Friday, noon-5pm, Center for Advanced Visual Studies (40 Mass. Ave.). Opening reception Thursday, Sept 4, 6-8pm.

Manuel Alvarez Bravo/Alen MacWeeney*.-Two-person/two country show will offer a metaphorical representation of Bravo's Mexico and MacWeeney's Ireland. On view Sept 8 through Oct 15, Monday-Friday, 9am-l0pm; Sat. 10am-6pm; Sun. noon-6pm, Creative Photography Gallery, 120 Mass Ave, 3rd floor, Camb, Mass. Free. Opening reception: September 16, 5-7pm. For information call x3-4424.

The Past as Prologue: Planning & Building at MIT*-On view through Oct 5, 10am-4pm; Wed evenings, 6-9pm, 160 Memorial Drive, Camb, Mass, Hayden Corridor Gallery. Free. For information call x3-4400.

List and Stratton Student Loan Collections*.-On view Sept 6 through Sept 26, 10am-4pm; Wed evenings, 6-9pm, 160 Memorial Drive, Camb, Mass, Hayden Gallery. Free. For information call x3-4400.

New Records*-Music Library, Rm 14E-109. Exhibit of record jackets of recent Library purchases.

The Outdoor Collection*.-There are many fine pieces of contemporary sculpture displayed on the MIT campus, including works by Alexander Calder, Louise Nevelson, Pablo Picasso, Henry Moore, Tony Smith, Jacques Lipschitz, Isaac Witkin, and Michael Heizer. For information and guides to the campus, call the Information Center x3-4795.

Science Fiction Society $^{\circ}$.--Come and visit the world's largest leading science fiction library. Hours posted on door, Rm W20-421.

Balloons and Airships*-Institute Archives and Special Collections, Rm 14N-118. Selections from the Vail collection of prints of balloons, airships and flying machines.

Strobe Alley*-High speed photographs by Harold E. Edgerton, Institute Professor and Professor of Electical Measurement, Emeritus. Bldg 4, 4th floor.

Hart Nautical Museum*--Permanent exhibit of rigged merchant and naval ship models, half models of yachts and engine models. Open daily in Bldg 5, 1st floor.

Library Tours

Introduction to the M.I.T. Libraries and the Institute Library Catalog**-.-Meet at the klosk, Humanities Library Reading Room, 14S-200. Wed, Sept 3, 3pm; Thurs, Sept 4, 11am; Fri, Sept 5, 11am; Fri, Sept 5, 2pm; Tues, Sept 9, 4pm; Wed, Sept 10, 2pm; Fri, Sept 12, 10am; Wed, Sept 17, 11am; Fri, Sept 19, 3pm; Tues, Sept 23, 10am. Tours also available by request, contact Kathy Powers x3-5673.

Baker Engineering Library 10-500°°-Tues, Sept 9, 3: l5pm; Wed, Sept 10, 5: l5pm; Thurs, Sept 11, 3: l5pm; Tues, Sept 16, 5: l5pm; Wed, Sept 17, 3: l5pm; Thurs, Sept 18, 5: l5pm. Tours also available on request. Contact Carole Schildhauer, x3-6051.

Rotch Library 7-238**--Thurs, Sept 4, 10: 30am Urban Studies; Fri, Sept 5, 10am, Architecture; Fri, Sept 5, 11am, Urban Studies; Fri, Sept 5, 1pm, Architecture; Fri, Sept 5, 2pm, Urban Studies. Information call Barbara Reed x3-7052.

Science Library 148-100°°-Fri, Sept 5, 2: 30pm; Tues, Sept 9, 3pm; Wed, Sept 10, 4: 30pm; Mon, Sept 15, 4: 30pm; Tues, Sept 16, 5pm. Tours also available on request. Contact Lisa Cornelisse x3-3528.

Aeronautics and Astronautics Library 33-31600.-Tours available on request; for further information, contact Kate Herzog x3-5666.

Chemistry Reading Room 18-480**--Wed, Sept 10, 2pm; Thurs, Sept 18, 2pm. For further information, contact Eileen Dorschner, x3-1891.

Institute Archives and Sepcial Collections*--Fri, Sept 12, 2pm. Tours also available on request. For further information, contact Deborah Cozort, x3-5688.

Lindgren Library 54-200**.-Fri, Sept 5, 1: 45pm; Tues, Sept 9, 3: 30pm; Wed, Sept 17, 3: 30pm. For further information, contact Jean Eaglefield, x3-5679.

Microreproduction Laboratory 14-055100.-For tour information, contact Peter Scott. x3-5667.

Music Library 14E-169**.-Tues, Sept 4, 3pm; Tues, Sept 23, 11am. For further information, contact Linda Solow, x3-5636.

Rotch Visual Collections 7-304**... Tours included as part of the Rotch Library tours. Tours also available on request; for further information, contact Merrill Smith, x3-7098.

Student Center Library W39-500**. Tours available on request; for further information, contact Sylvia McDowell, x3-7050.

Von Hippel Reading Room 13-312700-. Tours available on request; for further information, contact Betty-Ann Curtis, x3-6840.

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.

*Open to the public
**Open to the MIT commun

***Open to the Mrr community only

Send notices for Wednesday, September 10 through Sunday, September 21 to Calendar Editor Rm 5-113, before noon, Friday, September 5.

MISS THE TECH TALK DEALINE?

Put your announcement on the MIT Cable System. "Today at the Institute" runs from 8 to 5 daily on Channel 10 and can be viewed in Lobby 7, Lobby 10, and anywhere the cable is connected.

Simply phone x3-7414 and leave your announcement. 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 announcement is automatially put on the cable (except for exhibits and some multimeetings programs).

Office of the Dean for Student Affairs

We in the Dean for Student Affairs Office want to introduce ourselves.

The purpose of the Dean for Student Affairs Office is to support and to complement the MIT academic program. Overall leadership for the office, which is

now organized into four major sections, is provided by the Dean for Student Affairs. Each of the sections is headed by an Associate Dean.

Locations and Telephone Numbers of Major Dean's Office Sections and Offices

Section or Office	Room	Extension(s)	
Dean for Student Affairs	7-133	3-6776	
Residence Programs	7-133	3-4051	
Undergraduate Housing; Ashdown	7-133	3-6777	
Student Activities	W20-345	3-7974	
Student Activities, Staff Accountant	W20-401	3-3680	
Graduate Student Council Administrative Assistant	50-222	3-2195	
Women Students' Interests	7-102	3-5323	
Student Assistance Services	5-104	3-4861	
International Students' Office	5-112	3-3795	
Foreign Study Office	5-108	3-7979	
Undergraduate Academic Support Office	7-103	3-6771, 3-3621	
Committee on Academic Performance, Assistant to the Chairman	7-101	3-4164	
Preprofessional Advising Office	7-102	3-4158	



Shirley McBay Dean for Student Affairs



Jean Goldie Administrative Assistant



Evelyn Tracey Administrative Secretary

Can I change my Freshman Advisor? How?

How do I find out about majoring in Chemical Engineering?

How do I get into medical school? What is a premed advisor?

I'm thinking of switching majors. Who is a good person to discuss this with?

Can I drop a subject after drop date?

I have a class scheduled during dinner time. Is that okay?

For help with these kinds of questions, come see us.

Undergraduate Academic Support Office

We are an academic information center for freshmen and for all undergraduates. You can find out about registration procedures, the grading system, preprofessional advising, undergraduate seminars, undesignated sophomore advising, and other programs.

We welcome the freshman class in the fall and coordinate the freshman advising program. We also support the departmental advising system by acting as a clearinghouse for academic information of use to students, advisors, and departmental undergraduate offices. Staff support for the Faculty Committee on Academic Performance is also provided by our office.



Holliday Heine Associate Dean Head, Undergraduate Academic Support Office



Peggy Richardson



Susan Haigh Houpt
Assistant Dean
Advisor on Preprofessional
Education



Jane Dickson Assistant to the Chairman, Committee on Academic Performance



Rose Mone Administrative Assistant



Renee Caso Senior Secretary



Deborah Andrew Senior Staff



Constance Donaghey Senior Secretary

just can't study, I'm falling behind, and I've got three hour exams next week! Can someone help me figure out what I have to do?

> My parents were just in an accident and I've got to go home. Who can help me?

My thesis isn't coming along and I really wonder if I'm in the right graduate rogram, but I can't talk with my advisor. Whom can I talk to?

My visa for study in the U.S. is running out. How do I get it extended?

'm interested in studying abroad. Where do I begin to explore options?

I've been thinking of taking next term off. How do I work it out? What could I do while I'm away?

> Before I came to MIT I had a boyfriend and he wants to live here next summer and work in Boston. I have changed a lot and I don't know how to sort out this relationship. Any ideas?

All of my classes are full of men, and some days I feel I just don't belong here. Can I talk about this with someone?

f you want to talk with someone about these kinds of questions, come see us.

Student Assistance Services

The staff in this section provide personal counseling to all students-both graduate and undergraduate—and special support for women and minority students. Also included in this section is the International Students' Office.



Robert Randolph ssociate Dean Head, Student ssistance Services



Robert Halfman Associate Dean



Eugene Chamberlain International Students' Advisor and Associate Dean



Assistant Dean



Assistant Dean



Administrative



Illian Sakey Administrative ssistant



Kittie Cutting Administrative Assistant for Foreign Study



Ann Wallace Senior Secretary

Claudia Cassel

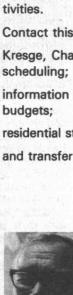
Secretary-Receptionist



Toni Finlay Senior Secretary



Barbara Aspinall Secretary



How do I go about setting up an accounting system for our activity?

How can I start a new karate group on campus?

We just started a campus literary journal. Now we need some money to print our first issue. Whom do we see?

> How do I reserve Kresge for our fall concert?

There are very few women in my department. How can I meet other women graduate students at MIT?

How do I find out about the different arts and music groups on campus?

> How can we get a women's support group started in our living group?

> > What activities are available for grad students? Can our group get funding?

If you need help starting an activity, or keeping it going, or just need some space to hold an event, come see us.

Student Activities

This section is set up to help undergraduate and graduate students start and/or carry out extracurricular activities, including the various student government programs. A special responsibility of this section is coordinating women students' ac-

Contact this office for:

Kresge, Chapel, Student Center, and Walker

information about activity formation, space, and

residential student parking;

and transfer student orientation.



Associate Dean Head. Student Activities



Administrative Assistant



Staff Accountant Undergraduate Finance Board



Emily Weidman Coordinator for Women Students' Interests



Anne Gwinnett Administrative Assistant, Graduate Student Council

I have heard that graduate students can serve as Residents in the dorms. How do I find out about this program? How and when could I apply?

How can I get involved in dormitory government?

> Does a fraternity need a lodging license? If so, how do we go about it?

I want to move out of the dorm system. What do I need to do?

> I'm an incoming graduate student this fall. What are my chances for on-campus housing?

We would like to start a Faculty Associates Program. How can we organize such a project?

For help with these kinds of questions, come see us.

Residence Programs

Our purpose in this section is to help make the living environment for students pleasant and productive. We make dormitory assignments, advise house and fraternity governments, support the Faculty and Graduate Residents in their work, and counsel individual students on choices and problems related to dormitories and fraternities.

The Business Advisor helps fraternities and independent living groups become strong and independent organizations. Another member of our staff is responsible for coordinating dining and residence programs.



Associate Dean Head, Residence **Programs**



Business Advisor to Fraternities and Independent Living Groups



Program Coordinator Dining and Residence **Programs**



Barbara Chuck Administrative Assistant



Beth Faried Senior Secretary

Inaugural Symposia to Focus On Computers, Energy, Food

(Continued from page 1) 11:30 am on Thursday, Sept. 25, also in Rm 10-250. Speakers will be Dr. Pierre Aigrain, Secretary of State for Research, Office of the Prime Minister, Republic of France; Dr. John M. Deutch, Arthur C. Cope Professor of Chemistry at MIT and former Under Secretary of Energy in the U.S. Department of Energy, and Dr. Charles J. Hitch, president emeritus of the University of California. Chairman of the session will be Dr. Francis E. Low, MIT provost and Karl Taylor Compton Professor of Physics.

The third symposium on "The Other Energy Crisis: Food and Hunger" will convene from 2 to 4 pm on Sept. 25 in Rm 10-250. Speakers will be Sir William McGregor Henderson, former Secretary of the Agricultural Research Council, and chairman of the Genetic Manipulation Advisory Group to the Secretary of State for Education and Science of the United Kingdom; Dr. John Hawthorn, head of the Department of Food Science and Nutrition at the University of Strathclyde. Glasgow, Scotland, and Dr. David Pimentel, professor of Insect Ecology and Systematics, Cornell University. Chairman of this symposium will be Dr. Nevin H. Scrimshaw, Institute Professor at MIT and director of MIT's International Nutrition Program and of

the MIT Clinical Research Center. All of the symposia will be open to the public.

In the inauguration ceremony, which is scheduled to begin at 11 am Friday, Dr. Gray will receive a copy of the Charter of the Institute and deliver his inaugural address. Participants in the academic procession for the ceremony will include the presidents of the Association of American Universities and of the Association of Colleges in New England, delegates from other universities and institutions throughout the world, members of the MIT Corporation and visiting committees, major donors to MIT, representatives of government, MIT alumni officers, members of the MIT academic and research staffs, and students.

Road Race Set

A four-mile road race open to all members of the MIT community will be held the afternoon of Wednesday, Sept. 24 as part of the festivities surrounding the inaguration of Dr. Paul E. Gray as the Institute's 14th president.

Registration forms will be made available soon at several points throughout the campus. Additional information can be obtained by calling x3-7375.



Enzyme Chemistry. During the last six years, four of these awards have gone to faculty members in the MIT Department of Biology.

(Continued from page 1)

They are Professor Malcolm L. Gefter (1975), Professor Paul R. Schimmel (1978), Professor Christopher T. Walsh (1979), and Professor Sharp. (Professor Walsh holds joint appointments in the biology and chemistry departments.)

Earlier this year, Professor Sharp received the U.S. Steel

Foundation Award of the National Academy of Sciences.

Dr. Sharp, who is professor of biology in both the Department of Biology and the Center for Cancer Research, has worked for several years on the mechanism of action of tumor viruses. These are particles of living matter which, upon infection of mammalian cells, cause tumor formation. At the heart of these studies is the mechanism by which the tumor virus genes are expressed in living cells. Viral genes contain the instructions, or codes, for the production of specific viral proteins that are believed to be key factors in establishing tumors.

In the course of these studies, Dr. Sharp's laboratory discovered the phenomenon of "RNA splicing" and it is primarily for this discovery that the Eli Lilly Award was given to him. Because it was a revolutionary concept, and because it is now known to be a phenomenon which occurs also in normal cells of all higher organisms, many scientists believe it to be one of the two or three major discoveries in molecular biology and biochemistry of the last

For a gene (a segment of DNA) to program the production of a specific protein, it is first transcribed into a copy of itself known as nuclear RNA. Before Dr. Sharp's discovery it was generally believed that the nuclear RNA was linearly "read" by the cell's protein biosynthesis machinery to give the protein specified by the original gene. But Dr. Sharp's laboratory found that RNA molecules are frequently spliced together, at specific points, to create nuclear RNAs that are not direct, linear copies of the original genetic information encoded by the DNA. According to biologists, this has profound implications for many areas of biology and has caused a complete revolution in how scientists now visualize and study the expression of genes.

Class Of '84 Arrives

(Continued from page 1)

servatories in Poland and Great Britain; one plays five instruments; one has played with the Greater Boston Youth Symphony Orchestra and one has taught piano at Juilliard.

And they like sports. One is the proud winner of six letters in track and field and a black belt in karate. One is a state weightlifting champion and another is an NRA sharpshooter. Still another has been coach of a girls' gymnastic team. Many have vicarious ties to MIT through relatives who are alumni, faculty or staff; some will be the third generation of their family to

In short, the Class of 1984, like those that have preceded it, appears to fulfill the Admissions Office goal: "Each will bring to the campus some skill, interest or

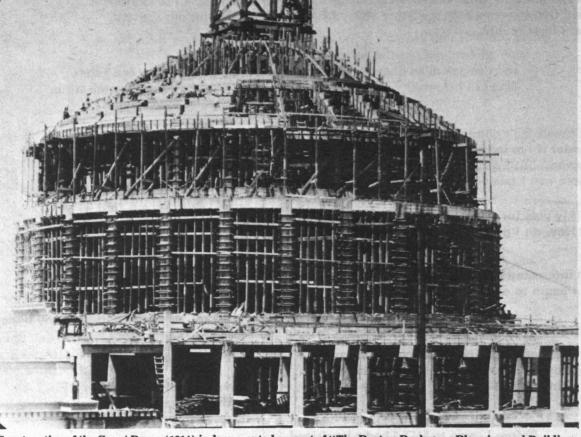
attend the Institute.

characteristic that will strengthen one or more of the community activities...Such students enrich campus life and seem most likely to contribute greatly to their professions, their communities and their world."

Finally, another quite normal statistic, nearly 60 per cent of the class will receive financial aid. Altogether this year, freshmen will receive \$3.6 million-\$2.1 million in grants and \$1.5 million in loans or employment in optional combina-

The opening ceremony for the class was the traditional Freshman Picnic held Friday afternoon in Killian Court where the new students met each other and MIT's new President Paul E. Gray and new Dean for Student Affairs Shirley M. McBay. This week they are immersed in finding a permanent place to live, meeting their advisors and investigating academic options and extracurricular activities in advance of

registration next Monday.



Construction of the Great Dome (1914) is documented as part of "The Past as Prologue: Planning and Building at MIT," on exhibit in the Hayden Corridor Gallery through Oct. 5, in honor of the inauguration of Paul E. Gray, fourteenth president of MIT.

Campus Patrol Officers Aid MDC In Capturing Gunman

(Continued from page 1)

A companion, John J. Harrington, 25, of Belmont, was shot in the cheek by MDC police on Memorial Drive near MIT's New House. He was in fair condition at Massachusetts General Hospital. MDC police said he was on parole from Walpole State Prison on appeal of an earlier murder conviction.

The chase began at Charles Street Circle at the Boston end of Longfellow Bridge at 1:15am Saturday. MDC police said an MDC patrolman had observed a car with no lights moving in a suspicious manner and when the officer approached the car one of the occupants pointed a gun at him. The car sped away over the Longfellow Bridge, turning west on Memorial Dr. The MDC patrolman called for help and gave chase.

The fleeing car came to a stop on Memorial Drive in front of MIT's East Campus and shots were exchanged. The car then sped on westward. Just past Massachusetts Avenue another MDC patrol car forced the fleeing vehicle into a post. More shots were exchanged and Harrington was struck in the

The second man, identified as McColl, fled on foot onto the MIT campus in the vicinity of New

Meantime, Officers Nelson and Cox, responding to calls for help

from the MDC, were sealing off the exit from Westgate onto Vassar St. and were beginning a search of the parking lot there.

Officer Nelson spotted the figure of a man crouched behind a parked

car and pointing a gun at Officer Cox. Officer Nelson shouted at the man to drop the gun and remain motionless. Instead, the man moved toward a Westgate building and pointed the gun at Officer Nelson. Officer Nelson shouted a second warning. The man ignored it and Officer Nelson fired twice. Meantime, Officer Cox had spotted the figure and fired once. An MDC officer was coming to

the scene from Memorial Drive, Chief Olivieri said, and may also have fired a shot. McColl was struck in the shoulder by one bullet and fell to the ground where he was disarmed, given first aid and taken to the hospital.

MDC police said they found ski masks, guns, ammunition, drugs and jewelry in the fugitive car.

Chief Olivieri said MIT Campus Patrol officers are regularly given refresher instruction on the use of firearms. Officers Nelson and Cox were among those who received this instruction recently.

"Their response was in keeping with their instructions," he said. "They did not use their guns until it was clear that there was a threat to their own lives or to the lives of

Members of the community who would like to suggest other topics for health programs are invited to call the health educators, Connie Bean and Iris Ponzetti, x3-1316.

CLASSIFIED

Ads are limited to one per person per issue and may not be repeated in successive issues. All ads must be accompanied by full name and Institute extension. Persons who have no extensions or who wish to list only home telephones may submit ads by coming in person to the Tech Talk office, Rm 5-113, and presenting Institute identification. Ads may be telephoned to x3-3270 or mailed to Rm 5-113. Deadline is noon Friday

Pr L78-15 whitewall tires, exc cond, \$60; G78-15 whitewall tire, \$15; F78-14 tire w/rim \$25; 7.75x14 rad tire w/rim \$25; D78-14 rad w/rim, \$10. J. May x3-2843 or 492-1403 aft 5pm.

Numerous out-of-print classics in Physics &/or Math pure & applied, some scarce, many Camb & Oxford press items. See G.G. Harvey Rm 6-108 occasionally there, x3-4815 or 484-7798 any day aft 5, try anytime.

Sngle bed w/hdboard & matt, gd cond, \$15; cook ware fry pans, pot, dutch oven dishes, cheap. x3-3345 or 489-3715 eves.

Foldable tw bed: bkshelf: end tble: iron board: shopping cart; wall mirror; baby port carrier; K ware; baby items & more. Call 494-0073.

Lv country mst sell: 13" color TV, yr old, \$150; alarm digital elect clock, yrold, \$7; 1500w elect port htr, almst nw, \$9; folding wood chr w/cu-shion, almst nw, \$10; folding tble, \$10. Nitta

Sm refrig for sale \$50. Call 864-7825 or x3-1659.

W bike 5-spd Columbia \$100 or best; Mr. Coffee \$15; elect can opener, \$8; all in gd cond. Call

-The Prenatal/Parent program 3 pc LR set, Herculon fab, exposed oak wd on front & sides of ea pc. mint cond. \$1000: Philod master frzr, apprx 30cf, \$50 or best. Call 732-4260.

> Refrig, 20x20x20" w/sm frzr, quiet, gd work cond, \$40. Call 742-5738 eves or wkends.

Pottery kiln, wedging board, triple beam balance, tools, glaze ingredients. Lucky x3-7707.

Lg walnut desk, 60x34, flat top, \$125; naugahyde phol recliner lounge chr, lk nw, \$100. Henry x8-3424 Draper.

Fridge 16cf, \$60; swivel chrs \$10-15; 4 fold chrs.

Smith Corona port elect typewriter, \$60 or best; Martin Sigma folk guitar w/case, rosewd back & sides, exc cond, \$125 or best. Charles x3-3821 or 491-3762 eves.

IBM Selectric typewriter, exc cond, \$375. Call

Sofa 87" w/2 match chr, blue/gr brocade, exc cond, \$750. Judy x635 Linel.

Soncino Books of the Bible, complete set, brnd nw. sells for \$139.95, ask \$95 or best; antique black velvet cape w/padded decorated should-ers, \$15. Linda x3-2916.

Bkcase, all wood, \$25 or best. Sue Shansky x3-

Camper trailer, gd cond, flly equip, \$650; '76 Pontiac repair manuels, nw \$10. Call Joe x5845

New Programs To Address Stress, Good Nourishment from the Brigham and Women's

(Continued from page 1)

The other new program, "What to Eat When the Vending Machines Only Have Potato Chips," will be discussions with Dr. Judith Wurtman, PhD, research associate in the Department of Nutrition and Food Science. It will meet in the Chipman Room (8-314) Mondays, beginning September 15 through December 1, with no sessions on October 6 and 13.

The informal seminars will include topics such as "Don't pass the salt" and "Is there life beyong pizza?" Dr. Wurtman will discuss good nutrition for all age groups and effects of diet on disease.

Preregistration is requested in order to plan for seating. To sign up, call the Health Information and Education servie, x3-1316, or visit the office on the third floor of the Infirmary.

The stress and nutriton seminars are the newest in a series of programs offered by the Medical Department each year. Others are:

-An ongoing 10-session weight control program, based on the principles of effecting long-term behavior changes, is conducted in cooperation with two nutritionists

Hospital.

meets twice each month and provides discussion of pregnancy, birth and early parenting issues and is open to everyone in the MIT community. Lamaze childbirth preparation review sessions are offered monthly.

-Smoking cessation programs are held approximately twice each year, the frequency depending partly on the number of requests received.

-Parenting workshops are offered once a year. Previous groups have focused on issues regarding children of separated or divorced parents, and issues concerning working parents of infants. These have been cosponsored with the MIT Psychiatry Service or the MIT SOcial Work Service, the MIT Child Care Office and the Family Service Association of Greater Boston.

-Lectures, films and discussions on cardiovascualr risk factors, contraception, women's health, sports medicine and other topics are offered from time to Qu sz box spring, Seally Lux Crown quilt, 3 yrs old, \$65. Call Steve x5837 Lincl.

10 spd Follis steel blke, seat by top 58 by 60cm 23" for longer armed person, exc cond, fenders & backrack, \$80 bargain. Stan 547-5113 eves.

Turntble, Philips 312 w/cart has tracking problems, \$75 or best. Glenn x5-7612 Dorm.

Baby crib, \$30, gd cond, stroller, \$15. Call

Moving sale: swiveling chr; Martha Washington chr; buffet, each \$25; full-sz contemp headboard; black telephone; TV & serving cart; spider & other plants; some in handing potsp; lg English teapot, everything mst go, no reasonable offer refused. Call 484-3689.

Sharp color TV, 19" screen, lk nw cond, \$225; hvy-duty steel shelves, \$15; old-but-gd Smith Corona port typewriter, \$40; complete set of Kodak Polycontrast filters, 3" sq, \$15; light-weight but comfortable reading chr, \$30; set of 8 photo ferrotype plates, \$12. Martha x3-1564, Rm 6-128.

Whirlpool port dishwasher, 5 yrs old, \$100; ADS 10 Time Delay Sys, \$1000 nw. Call x3-5826.

Kelvinator refrig, exc cond, gd sz for apt. Call 527-1724 prc nego.

Ladies leather coat, sz 5, ask \$75. Ellen x3-6541.

Snap-On 418 tach-dwell meter, brd nw, nvr usd, lists at \$189; will sell for \$125 or best. Linda x3-1782.

Ladies br pumps, nvr worn, stack heel, Revelations, sz 8 1/2 med, cost nw, \$36. Call 862-1935.

Kohler & Campbell spinet piano w/beanch, 6 mos old, \$1100 w/10 yr guarantee. Vivian x3-3940.

Mattress, inner sprng, full-sz, gd cond, \$25. Betsy x3-3660.

Upright plano Halet-Davis all ivory keyboard totally restored, exc sound, \$575. Chris Sykes 864-8166.

Box sprng & frme, 38x75'', \$35. 266-9031 eves.

MIT arm chr, \$50; slp couch, \$20; tw sz box sprng, matt. Call x3-1996.

Piano, upright black, Geo M. Guild of Bos, 40 yrs old, exc working cond, usd continuously. 964-6164.

Shomberg Carlson '30's radio, exc cond, overseas bands, elect eye tuning lg spkr beaut tune, \$75; silver plate decorator tble lamp, \$125. Helen x3-7137.

2 W fur coats \$20 & \$50; rabbit fur jacket, \$10; dresser, \$30; desk & chr, \$50; wicker rocking chr, \$20; TV set B&W, \$10; some more items. Call 876-4931.

Sngle bed w/linens. Len 267-3130.

Going overseas? shipping may be safer & cheaper, 4 wooden crates, 12-30 cf, \$10-20 each nego, buyer mst transport from MIT x3-5846.

Vehicles

'65 Dodge Dart, 4 dr, auto, lots of rust but runs okay, 3 gd tires, exc bttry w/almost 2 yrs to go on wrrnty rebit starter recently installed, nds some brake & ign work, \$90 or best. Irv x5781 Lincl or 862-7041.

'68 Dodge Dart, slant 6, auto, 98K, runs well, \$500. Call 354-3499 eves.

'68 Ply Satellite sta wag, snows, nw bttry, starter & mffler, \$350 or best. Michael 232-5316 or 864-9256.

'69 Dodge Dart, 4 dr sedan, 6 cyl, auto, gd city gas mlg, clean, cheap trans, \$550. Ed x3-5778.

'69 Renault R10 run cond but nds work, best. Ken x3-8107 or 494-8296.

'70 Puegoet 504 Auto, vy gd cond, 87 org mi, AM/FM stereo \$1500 or best. 782-3434 days or 646-9261 eves.

'71 Ford Thunderbird, 68K, great int, lttle bdy rot, nw brks, PS, mffler, \$790. Call x3-8314 or 232-6437.

'71 VW Bus, 84K, nw eng, shocks, runs well, \$950 firm. Stan 641-0628 or x3-1409.

'72 Ford LTD sta wg, PS & PB, auto, 95K, nw exh sys, some rust but gd run cond, \$250. Hank x7285 Lincl.

'74 AMC Hornet wg, 6 cyl, auto, reg gas, gd cond, w/rf rack & sticker, \$875. Call x7112 Lincl or 246-1833.

'74 Dodge Coronet, sta wag, A/C radio, gd cond, 86K, lv country, \$1000 or best. Michael x3-3017.

'74 Ford Elite, exc cond, PS & PB, pw windows, seats, A/C, AM/FM stereo, alarm sys, runs great, mst sell nd money! \$2000. Call x5-6605 Dorm.

'74 Pinto Runabout, 4 cyl, A/C, 52K, vy gd cond, gd mlg, reg gas, dual outsd mirror, \$2100 or best. x3-3022 or 646-0589.

'75 Ford Granada, looks brnd nw, no rust, exc eng, PS & PB, 4 nw tires, bttry, exh sys & nwly rebit carb, 21 mpg, \$2200, mst sell. Chen-dao Lin 254-4199 eves.

'76 Flat 128, AM/FM, 8 track, 30 mpg, reg gas, nw rad, 4 studded snows, exc cond, no rust, nw brks, all service records, \$2000 or best. Call 494-8422.

'76 22' Lark Motor home, Dodge Chassis, low mlg, slps 5, fily equipped, 1 owner, mst see. Call 322-8303 anytime, ask for Ed.

'78 Suzuki GS 550 E, 4 cyl, 6000ml, disc brks, mag whis, lug rack, crash bars, 2 helmets, canvas cover, exc cond, nvr dumped, \$1600 or best. Rob x3-6150 or 935-1513 eves.

Travel trailer 12' Little Gem, includes stove, elect refrig, sink, heater & john, gd for couple & child, has gas & elect, trailer hitch incl \$800.

Call Manny x5760 Lincl or home (Andover) 475-6971.

Sallboat Paceship 17, exc cond w/nrly nw trailer, \$2200, wi also sell 4.5 hp motor. x3-7282 or 332-0767.

Tent trailer, slps 6, hard top, ice box, gas stove, sink-vy gd cond, nw canvas, nw tires, mst sell, \$800. Marcel x3-5573.

Housing

Camb, bright 1BR condo on Harv St for sale by owner, mod bldg, d&d, A/C, park, ask \$47900. Call x3-8410 days or 923-4110 eves.

Ipswich for rent, gracious hse by tidal river, lg LR, study, porch, 5 BR, 4 B, lg K, 2 frpl, wash/dry, dock, tennis crt, gar, suitable for fam or group of friends, \$850 per mo unfurn. Weatherall x3-4733.

No Conway area writer rental, 3 br, 11/2 B, frpl, deck, slps 8, ski season, 12/1-5/1. Dick x7124 Lincl.

Newton Center, nr T, rent 1/2 of spac hse, your 1/2 incl 2 BR, LR, B, park, storage, shr K, DR, grounds, pool, \$470/mo htd, 2 mos security deposit, no children, smoking or pets. Call John x3-8403 or 965-5985 eves or wkends.

Plympton i850 1/2 cape on 20 acre w/barn & tool hse, antique features restored, downstair IBR, K, frpl LR & DR, upstairs 2BR, l w/frpl, unfinished attic, 15 min Bos, \$70,500. Connie x3-4698.

Somerville/Camb condo, 2 fam townhse, 3 & 5 rm, T, alum siding, prv court yard, exc rental potential ask \$37900. Call x3-4709 or 625-9013.

Animals

For sale lovable M 2-yr old Shi'tzu, AKC papers. Call 876-2323 aft 3pm.

Free gerbils to gd homes. Bill x3-3857 or 329-7081.

Free kittens to gd homes, 8 wks old, adorable and lovable. Call x3-2710.

Lost and Found

Found: Black & white dog, F part shepard, about yr old. Clai Mary x3-3113.

Lost: Banded silver bracelet in duPont exercise rm, 8/26 deep sentimental valve to owner, reward if returned. Call G. Temple x3-4425.

Lost: M white gold wedding band on softball field, reward, \$50. James 494-7762 days or 648-4508 eves.

POSITIONS

AVAILABLE

This list includes all non-academic jobs cur-

rently available on the MIT campus. Duplicate

lists are posted on the Women's Klosk in Build-

ing 7, outside the offices of the Special Assistant

for Women and Work (18-215) and Minority

Affairs (10-211) and in the Personnel Office

Information on openings at Lincoln Laboratory

(Lexington, MA) is available in the Personnel

call the Personnel Office on extension

Appointments: Janet Moore

Appointments: Marsha Gens

Appointments: Etsuko Kumai

Appointments: Tertia Perkins

Academic Staff

Administrative Staff, Progre

important. A80-57

Administrative and

tion Processing Services Operations. A num

ical computing consultant is needed to help

people with mathematical applications on the computer and evaluate numerical software.

Consulting duties involve both substantive help

on numerical alorithms and appropriate use of

numerical software. A background in engineering applications and numerical analysis desir-

able. A strong mathematical background is an

acceptable alternative. Communication skills

Sponsored Research Staff

Spons. Res. Staff, Programmer (part-time), Psychology Dept., for work involving the develop-

ing of programs for physiological analysis of movement. Requires knowledge of FORTRAN and ASSEMBLY languages and BS or MS.

Pat Williams

Susan Lester

Virginia Bishop

Ken Hewitt

Sally Hansen

Vera Ballard

Kathleen Rick

Dick Higham

Anne Whitman

Richard Cerrato

Employees at the Institute should contin

ositions for which they feel they qualify.

contact their Personnel Officers to apply for

ns who are NOT MIT employees should

3-1594

3-1593

3-1501

3-4267

3-4275

3-4277

3-4274

3-4275

3-6510

ner Analyst, Informa-

Wanted

Stimulating, responsive adult needed, 20-25, reg hrs per wk to care for 2 active girls, 3 yrs & 8 months, non-smoker, in our Belmont home, own transportation & references preferred. Call 484-1386 days or evenings.

Airplanes of the World by Douglas Rolfe, Simon & Schuster, ca 1952. Chris x3-4765.

Apt Sept '80-June '81 for visiting scientist & fam, 2 BR or lg l BR mst be nr public trans. Prof Rich x-34710.

3rd driver for carpool, Wayland, Cochituate, Rt 30 area, lv 8am ruturn 5pm. Call x3-7191.

Riders wntd for Nashua NH Masspool van. Call Judy x3-7001.

Wheels & tires for '76 Ford LTD, HR78-15. Call x7500 Lincl.

Visiting professor & wife sk furn has or apt, MIT vicinity, now-mid Dec. Call x3-7750.

Desperately nd M bike, 3,5 or 10 spd, any cond also gd lock. Hugh x3-7826 or 776-7456 anytime.

Riders wntd to & from Brkline, 9 & 5pm. Bert x8-1255 Draper.

Furnishings needed, MIT Outing Club would lk cheap or free chrs, tbles, rugs, K utensils, silverwame etc for their nw cabin in the White Mts, bring W20-461 or Mon or Thurs, 5-6pm.

Roommates

Shr a hse in Belmont w/MIT staff & alumnus. Bruce x3-2988.

Miscellaneous

Pro typing done to your specs, accurately & efficiently, thesis, ms, resumes, etc, IBM self-Correct Sel. II, much experience at MIT. Please call 327-3295 Lisa.

Parking space for rent, Camb behind City Hall, off-st. Dave 577-3422 days.

Typing thesis, term papers, etc. Jennice x3-3843.

Chimney sweep spec summer rates clean, pro service, free chimney safety inspection. Ellen x3-2675.

Take elect bass & guitar lessons from experienced music grad, jazz, funk, rock, anything you want, reasonable rates. Mike 491-8243 day or night lv msg.

Some knowledge of electronics useful. Facilities include PDP 11/10, PDP 11/35, and LSI 11/23. (20 hours/week) R80-266

Spons. Res. Staff, Technical Assistant, Center for Cancer Research, working on basic cell biology and biochemistry of cancer. The group comprises 8-10 postdoctoral students and one other technical assistant. Responsibilities will include biochemical and other active participation in research projects, and maintenance of tissue culture cells. Specific techniques in use in the lab include protein gel electrophoresis, use of radioisotopes, preparation and use of antibo dies, light microscopy and some EM, photomicroscopy. Requires good interpersonal skills, previous lab experience and some chemical or ochemical background, plus BS degree in biology or chemistry. Tissue culture experience desirable but not absolutely essential. Experience in above techniques also desirable.

Spons. Res. Staff, Technical Assistant, Center for Cancer Research, to work closely with two postdoctoral fellows. Projects involve nucleic acid biochemistry—in particular, molecular cloning, preparation of phage and plasmid DNAs, DNA sequencing by Sanger and Gilbert methods. Molecular biology background, BS degree in biology or biochemistry, and 2-3 years' experience in purification of DNAs, gel electrophoresis, restriction enzyme digestions and DNA sequencing required. R80-264

Spons. Res. Staff. Technical Assistant, Center for Cancer Research, to perform laboratory research on mammalian gene expression. Work involves handling of mice such as injection of cells and chemicals and dissection of tissues. Other work involves various types of protein and nucleic acid preparation and analysis. Individual to be employed initially by the Basel Institute for Immunology in Basel, Switzerland, with employment at MIT in early 1981. (Transportation to be provided by Basel Institute.) Requires bachelor's degree in biology or chemistry and experience with biochemical techniques. R80-263

Spons. Res. Staff, Technical Assistant, Center for Cancer Research, to perform laboratory research on mammalian gene expression. Work involves various types of nucleic acid and protein preparation and analyses including determination of nucleotide sequence by electrophoresis. Individual will be employed by the Basel Institute for Immunology in Basel, Switzerland, with employment at MIT in early 1981. (Transportation to be provided by Basel Institute.) Requires bachelor's degree in biology or chemistry. Candidates must have three to five years' experience with blochemical techniques. R80-262

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Spons. Res. Staff, Center for Cancer Research, responsible for the electron microscope facility. Duties will involve the instruction of novices in the use of the electron microscope and in the preparation of biological samples for electron micrscopy in a facility containing two electron microscopes, darkroom, and sample prepara tion room. Techniques routinely used include nucleic acid electron micrscopy, ultra microtomy, and negative staining of particular samples. Position will also be directly involved in research projects in the Cancer Center utilizing the electron microscope. BS required with experi ence in the use of an electron microscope and related equipment: familiarity with above techiques, and background in cellular and mole lar biology. Good communications and interpersonal skills important.

Spons. Res. Staff, Psychology Dept., to plan program (on computer), carry out, analyze and report experiments in human perception and language under the direction of faculty member. Will work independently, sometimes supervising undergraduate assistants. BA required, preferably with a major in experimental psychology. Previous experimental experience and knowledge of computer programming and statistics desirable. R80-260

Spons. Res. Staff, Engineer, Meteorology Dept. The Weather Radar Laboratory has two radars and a computer system for processing, recording and displaying reflectivity data. The Lab is preparing to also extract Doppler velocity data from one of the radars and need a person who will assist in the design, construction and operation of the processing system that will be required. Understanding and familiarity with special-purpose digital equipment (digital sweep integrators, microprogrammed signal processors and digital color display) for weather radar measurements very desirable. Under standing of the working of a weather radar and of the problems encountered with a computer processing system also important. Familiarity with microcomputer and microprocessor hard ware and software expected. R80-257

Spons. Res. Staff, Research Scientist, Energy Laboratory, with excellent analytical and experimental research skills to assist and lead research tasks in MHD Disk Energy Conversion. Basic qualifications will include an advanced degree, preferably a doctorate. Requires extensive experience in thermal equilibrium and non-equilibrium MHD plasmas. Candidate should also be very knowledgeable in chemical kinetics, MHD fluid mechanics, and the physics of non-uniform plasmas in strong magnetic fields and should have experience in time resolved electron density and temperature measurements. R80-254

Spons. Res. Staff, Technical Assistant (Histologist). Dept. of Nutrition and Food Science, preparing slides for the assessment of histological/pathological detail by histochemical autoradiographic and other histologic techniques, using the standard operating procedures of the laboratory and developing new methods. Will follow study protocols and maintain accurate records of studies assigned; assist in necropsies. Requires BA or BS in biological sciences or chemistry, or equivalent, and at least one year of histological laboratory experience. R80-248

Spons. Res. Staff. Technical Assistant, Blology Dept., (one year) temporary position involves research on genetics, molecular biology and regulation of the enzymes of nitrogen metabolism in enteric bacteria. Position requires a Bachelor's degree in science. Laboratory experience in bacterial genetics, isolation of DNA, analysis of DNA by restriction enzymes as well as experience in the assay of glutamine synthetase and histidase is also required. R80-249

Library Support Staff

Library Assistant III, Barker Engineering Library, Circulation Dept., will be responsible for 7th and 8th floor stacks: shelves, shelf reads, shifts, orders stack signs, searches, updates society paper notebooks. Provides circulation services for users at desk: checks books in and out, files cards, renews material. May be assigned to other related duties as time permits. High school graduation or equivalent necessary. Minimum of one year related experience required. Ability to work independently and responsibly necessary. Punctuality and attention to detail essential, as is ability to interact successfully with users. B80-545

Library Assistant, IV (part-time), Psychology Dept., will have direct responsibility for small departmental library, including cataloging, checking books in and out, etc. Also will perform secretarial duties for one faculty member with emphasis on typing of manuscripts and correspondence. Will also monitor small library budget. Excellent typing skills with some experience in technical typing necessary. Much attention to detail and the ability to work with accounting statements helpful. Prefer individual who has a college degree and an established interest in library work. Must be able to work without supervision. 2.5 years' direct/related experience required. 20-25 hours/wk. B80-543

Library Assistant II - Stacker (part-time), Hayden Library, Circulation Dept. Responsible for shelving and maintenance of the Science Library materials. Maintains a flow of science and humanities materials to the basement and Humanities Library; shelf reads in the Science Library and is responsible for the appearance and order of the reading room. Collects statistics on room use of materials. Acts as messenger. May be required to shelve materials in the Humanities Library and Hayden Basement. Participates in shift of material. Relieves bookchecker for break if needed. Other miscellane-

ous duties as assigned by circulation librarian. Requires a minimum of one year direct/related experience; physical stamina for stacking, and ability to work with minimum of supervision. 20 hrs/wk. B80-470

Library Assistant V, Humanities Library, will be

responsible for the overall operation of the

Humanities Library during three evenings until

10: 00 p.m., and Saturday (9-5) and Sunday (1-9)

for a 35-hour week. Summer schedule varies

slightly. Will staff information desk, answering

a variety of user questions; issue Boston Library

Consortium cards; provide instruction in use of

indexes/bibliographies. Other duties include maintenance of college catalog and road map

collection: handling reference request corres

pondence; bibliographic searching; maintenance

of reference files, and other projects as assigned.

Requires minimum of 4.5 years' direct/related experience and ability to organize own work efficiently. Ability to establish and maintain good library-reader relations important. Some college preferred. B80-532 Library Assistant IV. Barker Engineering Library, Circulation Dept., will coordinate the work of 5 full-time employees and part-time student assistants in the circulation unit including making assignments and maintaining effective communication with the User Services Librarian. Will provide circulation services for users at desk: check material in and out, file cards, renew material, and answer users' tions. Will be responsible for assisting the User Services Librarian as the library's liaison with Physical Plant. Will gather, process and maintain the library's course reserve collection, and perform other related activities as time permits. Requires a minimum of 2.5 years' direct/

related experience. Some college background

and circulation experience preferred. Good interper-

sonal skills and accurate typing also necessary

ary Assistant III (part-time), Lindgren Library, will be responsible for services to users (circulation, location of material, etc.) during early off-hours of evenings and weekends. Will provide training liaison with student assistants serving during late shifts. Will participate in library processing activities e.g., map search ing, filing, shifting, inventory, etc., bindery preparation, searching gift books, typing, claiming unreceived library materials, etc. Other duties as assigned. Requires a minimum of one year direct/related experience; accurate typing, and interest in ensuring availability materials to users. Russian or German language desirable. 17½ hours/wk. Winter hours: Sunday 2-6 p.m.; Mon 3-7: 30 p.m.; T-Th 4-7 p.m. Summer: M-F (hours scheduled between 9-5) B80-516

Library Assistant III. (part-time). Rotch Library of Architecture and Planning, in Circulation Dept. Position involves responsibilities in three areas of public service; 1) circulation desk, charging and discharging books, filing charge cards, preparing overdue notices, recording statistics, answering locational questions; 2) reserve collection, identifying, collecting, processing and servicing materials for course reserve; 3) security desk, inspecting briefcases and bags of patrons as they leave the library. Other duties as assigned. Some evening and weekend hours may be scheduled. Requires ability to assist library users in a friendly, positive and efficient manner; punctuality. Some typing required. High school graduation or equivalent, plus one year's direct/related experience also necesary. 18 hours/wk. B80-512

Library Assistant II, (part-time), Rotch Library, Circulation Dept. Primarily responsible for providing coverage at security desk. Duties include inspecting briefcases and bags of patrons as they leave the library and providing directional information. May participate in cir culation activities such as charging and dis charging books, preparing overdue notices, writing fine slips and shelving of special collections; and in processing activities such as as sisting in new book and pamphlet processing and filing of new card sets. Some evening hours may be scheduled. Must be able to deal tactfully and effectively with library users. Should be reliable in meeting schedules and be accurate and thorough in handling detailed processes and routines. High school graduation or equivalent necessary. 30 hours/wk.; 11 mos./yr. B80-511

Secretary/Staff Assistant

Sr. Secretary, Energy Laboratory, will support International Energy Studies group. Duties include typing correspondence and reports, answering telephones, arranging meetings and travel, maintaining research files, and locating research materials. Opportunity for qualified person to assist in research tasks. Requires good typing and office skills and a minimum of 2.5 years' direct/related experience. Post high school education (preferably including mathematics or economics) will count toward experience. Analytic skill desirable. Non-smoking office. B80-540

Sr. Secretary, Harvard-MIT Div. of Health Sciences and Technology, will perform a variety of secretarial and clerical duties for the Technical Director of the Biomedical Engineering Center and Administrative Officer of the HST Division. Requires good secretarial skills, including fast, accurate typing and shorthand skills. Knowledge of medical/engineering terminology preferred. Willingness to perform jobs at different levels, ability toorganize and coordinate information from many sources useful. B80-529

Sr. Secretary, Earth and Planetary Sciences, will handle large volume of typing (correspon-(Continued on page 8)

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dence, manuscripts, research proposals) for three faculty members and one research scien-tist. Approximately half of the typing is technical in nature, and involves much draft revision. Individual will work on word processor (Digital WS 82-CA). In cooperation with two other office personnel, do general office work such as handling phones, maintaining supplies, some filing, photocopying, etc. Prior experience using word processor descrable: technical typing neces sary. Must be excellent typist with regard to both speed and accuracy. Good organizational and grammatical skills important. Overtime occasionally necessary. B80-528

Sr. Secretary, Civil Engineering Department, to work with one faculty member and or associate in the Transportation Systems Div-ision. Will be responsible for production aspects of research papers and reports, including typing, editing and construction of bibliographi Will manage research accounts, make travel arrangements, attend to administrative details and maintain office files. Requires ability to work in a team, yet use intiative and take responsibility. Self-organization and good English language skills necessary. Experience with technical typing useful. Non-smoking office. A minimum of 2.5 years' experience or combination of education and experience. B80-526

Sr. Secretary, Harvard-MIT Div. of Health Sciences and Technology. Will serve as Admission Secretary, Headquarters Office, coordinating admission procedure for the M.D. degree with Harvard Medical School Admissions Office. Includes preliminary review of applications keypunching, record keeping, compilation of statistics, arranging interview appointments, scheduling, attending and taking notes at committee meetings, handling inquiries concerning admission to the HST M.D. program. Following conclusion of admission process, will assume secretarial duties in Headquarters Office. Requires ability to work under pressure from September through March; good organizational skills; ability to work independently. Position requires meeting with committee one evening a week from approximately 4-7 p.m. during admission period. Good typing skill and speedwriting or shorthand preferred. B80-518

Sr. Secretary, Biology Dept., will perform diversified secretarial duties for biology faculty member, research group and department Elec tron Microscope Facility. Duties include typing and editing scientific manuscripts, preparation of grant proposals, handling of a variety of correspondence, and phone calls. Also handling purchasing, keeping track of expenditures, and maintaining records. Includes organizing meetings and conferences, and occasional library searches. Must be able to work independently and deal with a variety of people. Requires good typing skills; ability to write letters bas own intiative or brief instructions: ability to interact with varying personalities required. Knowledge of MIT accounting systems preferred. 4.5 years' direct/related experience re quired. Will be required to learn word processing equipment. B80-517

Sr. Secretary, Biology Dept., will type scientific manuscripts and correspondence for one faculty member and his biology research group doing research in genetic engineering. Other duties will include ordering supplies for office and laboratory; monitoring accounts, including logging orders, keeping track of balances and pre-paring regular forecasts of continuing commitments; preparing course materials, keeping class rolls and grade sheets; answering telephone, making appointments, sorting mail, keeping files, arranging travel and keeping calendar. Requires good typing skill (for technical typing). Job involves use of dictation equipment. Will be required to learn use of Digital word-processing equipment. 25-35 hours-/week. B80-513

Sr. Staff Assistant, Center for Policy Alternatives, will independently coordinate the administration of a two-year joint research project between the National Swedish Board for Technical Development and MIT: maintain extensive personal, telephone and letter communicawith faculty, research staff, and foreign participants in research project, responsible for contacts between senior consultants in the U.S. and Sweden: schedule field work with counterparts in US and Sweden; responsibilities for project budget, monitoring accounts; supervise temporary clerical assistants; coordinate work of students; edit research reports; serve as information source; handle a large amount of confidential data; make complex travel arrangements, arrange meetings, appointments and conferences; initiate and compose correspondence; typing, filing and other clerical and administrative duties. Position requires well organized person with initiative and ability to follow through; understanding of Swedish institutions and administration procedures as well as the Swedish language helpful. Minimum of 2.5 years' experience or combination of education and experience also necessary. B80-509

Sr. Secretary, Humanities Dept., to Head of Department of Humanities and Associate Dean for Humanities Programs. Will handle all correspondence and files: arrange travel, schedule meetings: keep academic records; handle other secretarial and clerical matters concerning outside agencies, individuals and organizations. Requires excellent typing (65-75 wpm); organizational skills; ability to work indently, follow through, and 2.5 years administrative or secretarial experience. Reading knowledge of Spanish strongly preferred. Experience with standard office machines (dictaphone, adding machine) also preferred. This position will be for the term of the acayear (10 months); ongoing, year to year.

Secretary/Receptionist, Office of the Dean for Student Affairs, will serve as secretary/recep tionist for Residence Programs section of the Office. Responsibilities include office reception, support for fraternity and dining programs, and clerical assistance during peak housing periods. Applicants must have excellent inter-personal skills, good typing and clerical skills, ability to assume responsibility, take initiative, and be flexible. Will perform other duties as assigned. Must enjoy working with people and have a good sense of humor. Nonsmoking office. B80-547

Receptionist (part-time), Psychology Dept., will answer phones, coordinate patient appointments and maintain careful records of patient visits in a busy office. Other duties include ordering and up supplies and performing other rands. Must work well in busy setting and have a pleasant telephone manner. Maturity and discretion important. Hours: 9-12: 30, M-F (17.5 hrs/wk.) B80-541

Secretary (part-time), Committee on the Visual Arts (CVA). The CVA is charged with coordinating the Hayden Gallery exhibitions program, art aquisitions and a number of educational activities related to the visual arts. This secre tary is responsible for typing correspondence, reports and exhibitions material; greeting visitors, answering phone inquiries and sorting mail; maintaining files; supervising student interns; and occasionally assisting with the operation of the Hayden Gallery. Assists with general dissemination of information on the CVA and with publicity: maintains mailing list and bulletin board. Will also maintain office supplies, take staff meeting minutes and help organize meetings. Good typing (55-70 wpm) and one years' direct/related experience neces-sary. Some familiarity/interest in contemporary art preferred. 171/2 hours/wk. B80-534

Secretary (part-time), Clinical Research Center. will be responsible for keeping track of routine admission and discharge paperwork, charting vital signs and laboratory results, filing patient records, updating computer with lab results and vital signs, making out worksheets for nurses, lab technicians and dietitian. Will answer ward telephone, type protocols, file cards and occasional letters and memoranda. Requires a minimum of one year secretarial/clerical experience. Typing 40-50 wpm. Strong organizational skills and ability to relate well to people important. Previous exposure to a medical setting helpful. 20 hours/wk. B80-527

Secretary, Medical Dept., will serve as department floater with responsibility for a wide variety of secretarial and clerical tasks. Primarily, the individual will be responsible for relieving other secretaries in medical secretarial offices in case of illness, vacation periods, lunch hours, etc. In addition, will be asked to assist secretaries in time of heavy work loads which may involve transcription, typing correspondence, reports, preparation of mailings, filing, etc. Although primarily the secretarial floater, individual will be asked to cover in reception areas and business office as necessary. Must be excellent typist: speed and accuracy important. Previous direct/related experience necessary. Some exposure to medical setting preferred. 37.5 hours/wk. B80-525

Secretary (part-time). Urban Studies and Planning, will type and proofread reports, manuscripts, correspondence, and similar material from rough draft and dictaphone. Will also answer telephones, schedule appointments and meetings, maintain files and records, make travel arrangements, and handle material related to course work. Requires excellent typing skill and ability to transcribe from recorded disc/tape. Minimum of one year education/experience necessary. 171/2 hours/wk , M-F. B80-524

Secretary/Receptionist (part-time), Industrial Liai son Program, will answer all incoming calls and handle typing for Assistant Director for Administration. Requires pleasant telephone voice, willingness to learn about the Industrial Liaison Program in order to answer questions. and excellent typing skill. Hours: Thursdays and Fridays, 9-5, B80-521

Technical Support Staff

Computer Operator, Information Processing ervices/Administrative Computing Services Under general supervision from Shift Leader and/or supervisor, will operate computer sys tems and on-line and off-line peripheral equipment without assistance during normal and abnormal situations. Will assist in the training and development of operations support personnel. Will read, understand and implement current operating procedure for computer system(s) and new procedures when installed: Should be able to operate a 370 model 148 VM and (OS & DOS). Requires 2.5 years' direct/re-lated experience. 40 hours/week (8 a.m.-4:30 p.m.) B80-539

Computer Operator IV (evenings: 4-12 midnight). Information Processing Service Operation/ Administrative Computing Services. Requires one years' working experience in the operation of IBM 370/148 DOS and VS1. Knowledge of JCL preferred. Will perform all computer duties, detect errors, and correct as necessary. 40 hours/wk. B80-519

Keypunch Operator, Purchasing and Stores, will enter high volume of purchase order and vendor data into computer using on-line CRT terminal. Includes file maintenance, record keeping, ordering reports, recalling data when required for processing Purchasing Office business. Will be trained to interface with computer facility per-sonnel for backing up tapes, reporting and resolving problems. Individual should be a proficient on-line CRT terminal operator. Speed and accuracy more important than amount of experience. Better than average typing speed with electric typewriter also required. B80-514

Office Assistant

Office Assistant, Libraries Microreproduction Lab, is primarily responsible for processing requests for microfilm and photocopies received by telephone and over-the-counter. Will type invoices and miscellaneous other items including microfiche captions; answer telephone and counter inquiries; return completed reproductions; discuss available services with users; file purchase orders and invoices; and respond to mail inquiries. Will be responsible for the preparation of adding machine tapes and simple statements for submission to the accounting office. Requires high school graduation or equivalent and at least one year of direct/related experience. Typing accuracy is important, and typing speed should be 50 wpm plus. B80-546

Office Assistant, Registrar, will assist in the registration of students; maintenance of student permanent records; use of record-keeping terminals (IBM); handle student requests, registration corrections (drops/adds); typing of form letters, and filing. Person should be versatile and be able to work with figures, ability to handle detail, and a year's direct/related experience. Two years of college experience, either

as a student or employee, desirable. B80-544

Office Assistant/Receptionist (Temporary for 7-8 weeks beginning week of 9/8/80), Personnel Office. Will share responsibility to provide services related to employment process: provide information on job status, specifications, application procedures, etc., to applicants and others; assist persons in completing applications; and refer general inquiries to other Institute offices. Will share in resume acknowledgment process; prepare and distribute union postings, and work on other clerical projects if time permits. Applicants should be able to grasp both routine procedures and to recognize situations and to respond appropriately. Requires the ability to monitor several situations at once (phones, applicants, etc.). Accurate typing necessary. Office experience in some type of public service capacity preferred. 37.5 hours/wk. B80-537

Office Assistant, Medical Department, in Medical Records Room, will mainly be responsible for pulling and filing medical records from both telephone and written slips. Responsibility for dispatching records to proper station; files into records a variety of medical material relating to patients; assist with maltenance of patient index file, assist with periodic purging of active files. May be assigned to special projects from time to time. Position requires an individual to stand on his/her feet all day. Must be able to work in a very busy setting and under pressure. Previous office experience is required where individual has demonstrated success in varied clerical tasks. Speed, accuracy, and ability to work in a team are essential. 371/2 hours/wk. B80-523

Office Assistant, Medical Dept., will work in the Medical Record Room, responsible for pulling and filing medical records from both tel requests and written order slips. Responsibility for dispatching records to proper station; files into records for a variety of medical material relating to patients, i.e., lab work, x-ray reports, correspondence and insurance material. Assists with maintenance of patient index file, assists with the periodic purging of active files, tracing records and answering the telephone. May be assigned special projects from time to time. Position requires an individual to stand on his/her feet all day. Must be able to work in a very busy setting and under pressure. Previous office experience is required where individual has demonstrated success with varied clerical tasks. 37.5 hours/wk. B80-510

Service Staff

Carpenter, Physical Plant, requires a minimum of 7 years' experience in the trade with particular emphasis on finish carpentry work. Applicant must be able to read prints and do layouts on all types of cabinets, models, etc. Must be qualified to perform door and partition installation and to lay floor tiles. A thorough working knowledge of characteristics of various types of materials and wood-working machinery required. H80-191

Service Staff, Swimming Pool Attendant, Physical Plant Dept. Applicant must hold a current Red Cross Senior Life Saving Card. Must be fully qualified to demonstrate techniques in rescuing bathers and administering resuscitation. Other duties include scheduled cleaning duties, maintaining security in building. Two years' acceptable lifeguard experience required. Must complete periodic refresher work as required to keep Red Cross Card up to date. Will be required to work irregular schedules and will not have two consecutive days off. H80-187

Service Staff, Technician A - Electronic, will be responsible for the maintenance of the WEST FORD site Radio Telescope Receiving and Recording equipment, as well as the electronic components of the antenna control system, under direction of engineering personnel. During telescope operations, will operate the telescope and recording equipment through terminals and direct controls. During the initial phases of the program, to bring the antenna on-line as a radio telescope, will be involved with construction and installation of electronic and mechanical devices both on the antenna and the ground controls area. Graduation from a two year technical school or equivalent in experience required. Should be proficient in use of oscilloscopes, signal generators and standard electronic test equipment. Familiarity with digital and analog integrated circuitry desirable, as is wire wrap and PC construction techniques. Microwaive and RF knowledge desirable. H80-172

Service Staff, Bartender, (part-time, evenings), Faculty Club. Experienced individual to set up and break down and tend party bars; set up and serve front bar; handle all responsibilities as they pertain to beverage service. Must be available for week nights only 5-10 p.m., 15 hours/wk. Requires 2-3 years' experience, fluency in English and basic math skills. Must be at least 20 years of age. Days of shift vary. H80-190

Service Staff, Steamfitter, Physical Plant, will be responsible for maintenance of high and low pressure steam systems consisting of pressure reducing valves, traps, expansion joints, boilers, etc. Ability to work from blueprints, verbal instruction or sketches necessary. Must be able to electric arc weld all piping systems as refor steel pipe. Must have a minimum of 5 years' recent experience applicable to the trade. Must be available to work any shift as required by operation of Pipe Shop. H80-181

Service Staff. Driver - Utility. Francis Bitter National Magnet Lab. Individual drives; makes pick-ups and deliveries; transports people; handles and hauls material (light or heavy): performs janitorial duties, cleans and cares after equipment and vehicle; delivers mail within the laboratory. Performs simple carpentry, painting and rigging jobs; ships outgoing goods; delivers goods within the building: packs goods away in storage and stockrooms; keeps work areas clean: delivers goods over the counter on requisitions; handles helium storage containers and bottled gases; fills empty nitrogen containers daily. Requires some super vision. Must be a high school graduate with a Massachusetts drivers license and 3 years commercial driving experience. Requires physical strength. Hours: 8-4: 30. H80-179

Service Staff, Food Service, Pot Washer/Kitchen worker. With direct supervision from the Unit Manager, this position has the responsibility for the pot washing area and all wares cleaned and sanitized therein. Will also be responsible for the cleaning and sanitizing of all major equipment as well as all floors, walls and

refrigeration units; removal of all trash; and the daily cleaning of the serving and dining areas. Will perform other duties as assigned. Individual must speak and read English. Sche 11:00am-8pm, Wednesday-Sunday. H80-177

Service Staff, Machinist A, Nuclear Reactor Labora tory, requires an individual who demonstrates familiarity and a high degree of skill with all the commonly used machine tools. With a minimum of supervision, sets up work and operates such machine tools, working closely to tolerances from blue prints, specifications, verbal instructions, or sketches. Makes tools, dies, jigs, and fixtures as may be required. May direct and train machinist of lower grade. Will work in reactor machine shop, handling and exposure to radioactive materials will be involved during some of the work, and strict adherence to appropriate radiation protection proceres required. Hours: evening shift, 4-12 midnight. Requires 5 years' applicable experience as a machinist. H80-176

The following positions were still available at Tech Talk deadline. Complete descriptions of these jobs and other available positions are posted in the Personnel Office, (E19-239), and at locations listed at the beginning of Positions Available section.

ADMINISTRATIVE STAFF:

A77-3, Admin. Staff, Systems Programmer, Information Processing Services

A79-55, Admin. Staff, Asst. to Manager of Central Utilities Plant, Physical Plant A79-81, Admin. Staff, Applicatons Pro-

grammer, Information Processing Services Of-A79-94, Admin. Staff, Area Coordinator/Systems Analyst

A80-1, Admin. Staff, Senior Systems Analyst. Information Processing Systems Office A80-4, Admin. Staff, Sr. Systems Program-

mer, IPSO A80-9, Admin. Staff, Patent Attorney, Patent, Copyright & Licensing Office

A80-23, Admin. Staff, Electrical Engineer, Physical Plant A80-25, Admin. Staff, Director, Technology-Based Educational Marketing, Ctr. for Adv.

Engineering Study A80-35, Admin. Staff, Systems Programmer, **IPSO**

A80-37, Admin. Staff, Director of the MIT Educational Council, Admissions Office A80-40, Admin. Staff, Applications Guidance Coordinator OFMS

A80-44, Systems Programmer, IPSO A80-45, Telecommunications Analyst, Physical Plant

A80-46, Systems Analyst, IPSO A80-48, Coordinator, Alumni Assoc.

A80-49, Programmer, IPSO

A80-50, Assistant Director, Development

A80-52. Admin. Staff. Acquisitions Editor. A80-53, Admin. Staff, Legal Assistant, Pat-

ent, Copyright & Licensing

A80-54, Admin. Staff, Assoc. Director of the Council for the Arts at M.I.T.

RESEARCH STAFF:

R78-307, 308, Spons. Res. Staff, Laboratory for Information and Decision Systems

R79-225, Spons. Res. Staff, Research Associate, Materials Science and Engineering R79-250, Spons, Res. Staff, Sr. Shift Supervisor, Nuclear Reactor Laboratory.

R79-336, Spon. Res. Staff, Research Scientist, Lab for Computer Science

R79-342, Spons. Res. Staff, Res. Associate, Center for Trans. Studies in Freight Demand Analysis

R79-363, Spons. Res. Staff, Mechanical En-

R80-6, Spons. Res. Staff, Res. Scientist, Plasma Fusion Ctr. R80-8, Spons. Res. Staff, Res. Scientist,

Plasma Fusion Ctr. R80-9, Spons. Res. Staff, Res. Engineer, Elec.

Power systems Lab R80-11, Spons. Res. Staff, Res. Lab of Elec-

R80-23, Spons. Res. Staff, Postdoctoral Assoclate. Lab for Nuclear Science

R80-39, Spons. Res. Staff, Mechanical En-

gineering Dept. R80-43, Spons. Res. Staff, Postdoctoral As-

sociate. Lab for Nuclear Science R80-57, Spon. Res. Staff, Software Engineer,

Laboratory for Computer Science R80-69, Spons. Res. Staff, Design Engineer-

Superconducting Magnets, Plasma Fusion Center

R80-74, Spons. Res. Staff, Research Associate. Materials Science & Engineering

R80-88, Spons. Res. Staff, Magnet Design Engineer, National Magnet Lab. R80-93, Spons. Res. Staff, Research Asso-

ciate, Sloan School of Management's CISR R80-97, Spons. Res. Staff, Logic Designer (temp.), Plasma Fusion Center

R80-105, Spons. Res. Staff, NMR Spectroscopist, National Magnet Lab R80-111, Spons. Res. Staff, Technical Special-

ist, Earth and Planetary Sciences R80-119, Spons. Res. Staff, Technical Assistant, Dept. of Nut. & Food Science R80-122, Spons. Res. Staff, Research Scientist/

Engineer, Nuclear Reactor Lab R80-126, Spons. Res. Staff, Electronic Engi-

er, NEROC Haystack R80-128, Spons. Res. Staff, Postdoctoral Asclate, Lab for Nuclear Scien

R80-129, Spons. Res. Staff, Research Asso-R80-134, Spons, Res. Staff, Electrical/Digital Design Engineer, Lab for Computer Science

R80-137, Spons. Res. Staff, Research Assoclate, Materials Science and Engineering R80-146 Spons Res Staff Postdoctoral Associate Lab for Nuclear Science R80-157, Extension Agent Specialist-Marine

Engineer, Sea Grant R80-161, Spons. Res. Staff, Technical Assistant, Biology

R80-169, Spons. Res. Staff, Postdoctoral Res. Assoc. Physics

R80-172, Spons. Res. Staff, Research Scientist/

Engineer, NRL

R80-186, Spons. Res. Staff, Res. Associate, Dept of Aero & Astro.

R80-187, Spons. Res. Staff, Electrical Engineer-Control and Power Systems, LNS

R80-193, 194, Spons. Res. Staff, Postdoctoral Res. Associate, Space Plasma Group R80-195, Spons. Res. Staff, Res. Specialist,

Cell Culture Center R80-196, Spons. Res. Staff, Res. Specialist, Cell Culture Center

R80-200, Spons. Res. Staff, Cell Culture Center R80-204, Spons. Res. Staff, Biology R80-214, Spons. Res. Staff, Haystack Observ. R80-218, Res. Associate. Mat. Sci. & Eng.

R80-222, Prog. Analyst, Mech. Eng. R80-223, Prog. Analyst, Mech. Eng. R80-224. Postdoctoral Assoc.. Mathematics R80-225, Experimental Condensed Matter

Physicist, NML R80-227, Experimental Research Scientist,

Plasma Fusion Center R80-229, Scientist, Center for Space Research R80-230, Programmer/Research Associate,

Center for Computational Research in Economics and Management Science R80-231, Engineer, Energy Lab's Sloan Automotive Energy Lab

R80-234, Research Associate, Center for Policy Alternatives R80-236, Research Specialist, Dept. of Earth

and Planetary Sciences R80-241, Research Associate, Biology Dept. R80-242, Research Metallurgist or Materials Scientist, National Magnet Lab

ACADEMIC:

C79-23, Academic Staff, Radiation Protection Officer, Medical Dept.
C80-6, Academic Staff, Postdoctoral Associ-

ate, Nutrition & Food Science C80-9, Academic Admin. Staff, Sr. Clinical Veterinarian, DLAM

C80-11, Physician's Assistant, Medical C80-12, Res. Asst., Libraries

C80-13, Marketing Rep., Medical C80-14, Coordinator, Medical

C80-15, Postdoctoral, Meteorology C80-18, Instructor, Mathematics Dept.

C80-19, Technical Instructor, Mechanical Engineering Dept.

C80-20. Assistant Director for Collection Management, Libraries

C80-21, Postdoctoral Researcher, Dept. of Meteorology and Physical Oceanography C80-22, Librarian, D.O.T. Liaison Librarian,

part-time EXEMPT:

E80-20. Exempt. Facilities Coordinator. DLAM

E80-28, Supervisor, Food Service E80-30, Engr. Asst., Nat. Mag. Lab E80-31, Inventory Auditor, Off. Facil. Mgmt. E80-33, Data Analyst, NEROC Haystack

Observatory E80-36, Supervisor, Animal Lab, Center for Cancer Research E80-37, Pediatric Staff Nurse, Clinical

Research Center E80-38, Registered Nurse, Clinical Research Center

E80-39, Production Manager, Program in Science, Technology and Society

SUPPORT STAFF: B80-165, Office Assistant, Medical B80-185, Sr. Secretary, National Magnet Lab B80-281, Sr. Secretary, Industrial Liaison

Proram B80-309, Sr. Secretary, Mech. Engineering B80-318, Secretary/Staff Assistant, Graduate School Office

B80-326, Admin, Assistant, NML B80-348, Office Assistant, Medical Dept.

B80-355, Secretary, LMS B80-356, Sr. Secretary, RLE

B80-373, Sr. Secretary Alumni B80-394, Admin. Secretary, Res. Dev.

B80-396, Secretary, Plasma Fusion Center B80-405, Tec. Assistant, Haystack Obsv.

B80-408, Sr. Office Assistant, Health Sci. & Tech.

B80-412, Library Assistant, Rotch Library B80-415, Sr. Secretary, Poli. Sci. B80-417, Secretary, Resource Development B80-426, Secretary - Tech., EE & CS

B80-428, Sr. Secretary, Provost's Office B80-433, Staff Assistant, Nuclear Eng. B80-437, Sr. Secretary, Medical

B80-445, Secretary, part-time, Nutrition and B80-448 Sr. Secretary, CAES

B80-452, Sr. Secretary, Mech. Eng. B80-456, Secretary, Energy Lab B80-458, Sr. Secretary, Prog. in Sci., Tech. & Soc.

B80-460, Sr. Secretary, Center for Materials Res. in Arch. & Ethnology B80-461, Sr. Office Assistant, Development

Office B80-463, Sr. Staff Assistant, Man Vehicle Lab B80-465, Secretary, Lab of Arch. & Planning B80-467, Staff Assistant, Center for Policy

Alternative B80-471, Library Assistant IV, Humanities

Library B80-473, Sr. Office Assistant, Provost's Office (Project STILE)

B80-477, Sr. Secretary - Technical, Dept. of Nut. & Food Sci.

B80-478, Sr. Secretary, Technology Adaptation B80-483, Sr. Secretary, Physical Plant B80-484, Microfilm Trainee/Copy Machine

Assistant, Microreproduction Lab B80-485, Microfilmer Trainee, Microreproduc

B80-488, Sr. Secretary, Ocean Engineering

B80-489, Office Assistant, Biology Dept. B80-491, Sr. Secretary, Medical Dept. -Psychiatry

B80-492, Sr. Secretary, Medical Dept. -Psychiatry B80-493, Tech. Assistant V, part-time,

Psychology B80-494, Office Assistant, Medical Dept. -Health Plan

B80-496, Admin. Assistant, Earth & Planetary Sciences Dept. B80-497, Sr. Secretary, Sloan School

B80-498, Staff Assistant, Center for Policy Alternatives B80-499, Sr. Staff Assistant, Center for Policy

B80-504, Office Assistant, Medical Dept B80-505, Admin. Assistant, Center for Trans. portation Studies

SERVICE STAFF: H79-33, Service Staff, Technician A (Electron-

ic), Chemistry H79-200, Service, Staff, Technician A (Electro-

Mechanical) H80-60, H80-61, H80-62; Service Staff, Design

Drafter, Plasma Fusion H80-127, Service Staff, Engineer, Third Class H80-143, Gardener, Physical Plant

H80-162, Sr. Technician (Electronic), Plasma

H80-165. Heat & Vent Mechanic, Physical

H80-171, Engineer, 2nd Class, Physical Plant