

Kimball Valentine, Jr., is shown with three checks totaling over \$1 million in real estate taxes the Institute has just paid to the City of Cambridge for 1971. MIT-related properties will yield for the city more than \$2.2 million this year, based on Cambridge's 21 percent increase in taxes.

—Photo by Margo Foote

MIT Gives Cambridge \$1 M in Partial 1971 Tax Payment

MIT has just transmitted to the City of Cambridge three checks totaling over a million dollars in payment of some—but not all—of the 1971 annual real estate taxes generated for the city by MIT-owned and rented properties.

All told in 1971 MIT properties will bring to the city more than \$2.2 million, based on this year's 21 percent increase in Cambridge real estate taxes. The total makes MIT once again this year the third largest source of revenues for the city, exceeded only by the public utility and the telephone company.

The three checks which were just conveyed to the city by Kimball Valentine, Assistant to the Treasurer, totaling \$1,001,215.76, included one in a sum of \$839,025.76, representing real estate taxes on MIT-owned properties which the university pays directly every year.

The large check included nearly \$400,000 in 1971 taxes on the 19-acre Simplex Wire & Cable Co. property in Cambridge. MIT bought the property two years ago after the company moved to Maine and plans to develop a complex of residential, commercial and industrial properties that will generate still more taxes and jobs for Cambridge. At the time of purchase, MIT pledged that it would not remove the Simplex property from the Cambridge tax rolls.

"The popular notion that when a university acquires property, the property is removed from the tax rolls simply is not true," Mr. Valentine said. "If the property is not used for educational purposes, the university continues to pay full taxes. If it is used for educational purposes, MIT often continues to make in lieu payments for a period of years."

Also included in the larger check was some \$200,000 in real estate taxes on the properties where MIT is developing its Housing Program for Cambridge. Work is already beginning on three of these sites where 700 new units for the elderly are being constructed at a cost of \$17 million. MIT will sell the three developments to the Cambridge Housing Authority under a federal "turnkey" program, the largest such program in the nation. Until the three developments for the elderly are completed, however, the Institute pays the annual real estate taxes. When the total MIT Housing Program for Cambridge is completed, the university expects to have increased the total Cambridge housing stock by five percent.

The second check just conveyed to the city was in the amount of \$84,206.40 and represents taxes on the so-called Epsco Building at 275 Massachusetts Ave. just north of the campus. The building houses research laboratories and storage facilities.

The third check, amounting to \$77,983.60, represented the 1971 taxes which the university pays on the leased building at 75 Cambridge Parkway occupied by engineers and scientists of the Charles Stark Draper Laboratory. The guidance and navigation systems used by Apollo astronauts to reach the moon and return were designed and developed in this building.

Before drawing the larger check, Mr. Valentine deducted from MIT's total tax bill an ad-

(Continued on page 4)

Wagoner Plays the Fool as UMOC Action Starts

"What this place needs is a fool," believes sophomore Paul Wagoner, and sarcastic or not he is filling the need by literally making a fool of himself.

Dressed in a multicolored, bell-studded costume that he made with the help of his friends, Wagoner is imitating the court jesters—or fools—of the middle ages during the annual Alpha Phi Omega "Ugliest Man On Campus" contest this week.

Wagoner is not the first candidate to deviate from the traditional criterion of ugliness in the UMOC contest. Last year's winner was Deja Vu, a baby alligator, and three years ago the title was bestowed upon Cindy Helgerson, a very pretty coed. Wagoner says, "I'm not ugly—just silly."

While performing somersaults in the Great Court, Wagoner once remarked, "I want to be the Great Court Jester," and the nickname has stuck. He is competing in the contest with such traditional uglies as Crud the Spud, Mr. Natural, Ugleon, Oded the Oaf, and the mysterious Dave deBronkart and Hermann Quincy Witherspoon.

The UMOC candidates are campaigning this week to collect votes—in the form of money—from anyone wishing to contribute. Each penny counts as one vote, and contributors may vote as often and for as many candidates

as they like. The candidate who collects the most is the winner, and APO donates all the proceeds to CARE.

Traditionally the campaigning has been confined to the campus, centering in the lobby of Building 10. Wagoner, however, intends to carry his antics outside the walls of the Institute. "Other places need a fool just as badly as MIT does," he says. Among the locations where he intends to campaign this week are Harvard Square and Boston City Hall.

UF-UBA Drive Issues First Campaign Report

The Institute's annual drive for the Massachusetts Bay United Fund and the United Black Appeal is well underway. About \$9,500 has been collected so far—\$7,900 for the MBUF and \$1,600 for the UBA.

UF-UBA needs are greater than ever this year—the total goal for the 1971 drive is \$15.2 million. Meeting that goal depends very heavily on donations from large institutions, like MIT. So fill out a pledge card and return it to your solicitor as soon as possible. The drive ends formally on Wednesday, November 24.

Don't forget that UBA donations must be made on the blue pledge cards included in the campaign material. The United Black Appeal, organized to supplement the funds received from the MBUF drive, has received requests for financial support from 28 different service programs in the minority community. The UBA recently announced that the first grants will be allocated to the New Urban League of Greater Boston, the University of Islam No. 11, Child's World Day Care Center, the Black Student Union, Massachusetts Welfare Rights Organization, and BRIDGE Fund Inc.

More than 1.3 million people are helped by the UF-UBA each

year. Please—Give once. And for all.

This year the Institute will officially observe Christmas on Friday, December 24 and New Year's Day on Friday, December 31. Accordingly, MIT's holiday pay practices will apply to these days rather than to the following Saturdays.

MIT Press Book Sale Starts Today

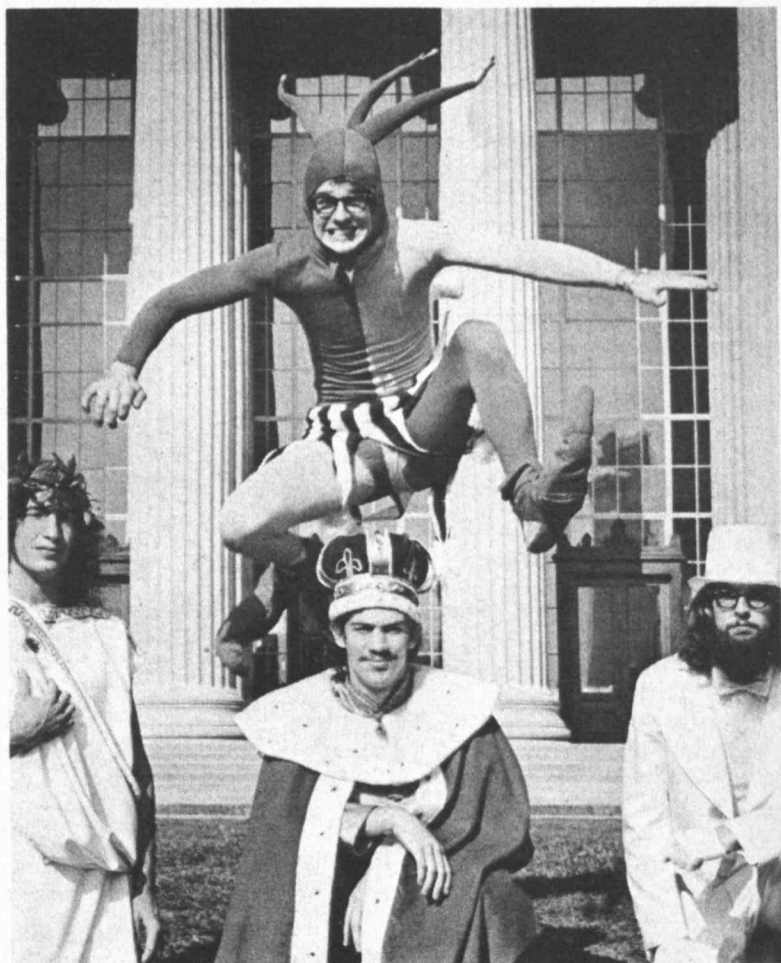
The MIT Press Annual Book Sale opens today in the Sala de Puerto Rico at the Student Center and will continue through Friday. More than 15,000 books are on sale at discounts of 50 to 95 percent off the regular price.

The sale includes books on all subjects and disciplines—a complete selection from the MIT Press catalog which lists nearly 900 different titles.

Some titles are available in limited quantities, so plan to visit the sale early for the best selection. The Annual Book Sale will be open on Wednesday from 12 noon to 9pm, on Thursday from 10am to 8pm, and on Friday from 10am to 4pm.

The deadline for submitting activity proposals for the Independent Activities Period (IAP) is Friday, November 5. Proposals may be given to department and laboratory coordinators or sent directly to the IAP Planning Office, Room 5-207, Ext. 1973.

The first *Guide to IAP Activities* will be published soon in a special issue of *Tech Talk*.



The Great Court Jester, Paul Wagoner '74, goes through his paces in the Great Court for his entourage, left to right: Don Arkin, '72, John Mangold, '72, and Frank Spahn, '72.

—Photo by Bob Lyon

THE INSTITUTE CALENDAR

November 3
through
November 12

Events of Special Interest

Corporation Joint Advisory Committee (CJAC)**
Discussion on "University Investigating and Corporate Responsibility" (Bowman Report), Thursday, November 11, 7:30pm, Rm. 10-105.

Seminars and Lectures

Wednesday, November 3

Biochemical Basis of Biological Transport Systems
Dr. Eugene P. Kennedy, Harvard Medical School. Oral Science Seminar. 12n-2pm, Rm. E18-301.

Is Urban Transportation Going Anywhere But Sideways?*
Professor A.S. Lang, civil engineering. 1:30pm, Rm. 1-350

Scientific Inputs into Energy Related Environmental Issues*
Richard Hall, Attorney in Natural Resources Defense Council, and Glenn Paulson, biologist. Nuclear Engineering Seminar. 3:30pm, Rm. 9-150. Coffee, 3pm.

On the Structures of Detection and Estimation
Professor James Lo, Division of Engineering and Applied Physics, Harvard. Decision and Control Sciences Group Seminar. 4pm, Rm. 39-500. Coffee, 3:30pm.

The Upper Atmosphere of Venus
Professor Ronald G. Prinn, meteorology. Earth and Planetary Sciences and Meteorology Joint Colloquium. 4pm, Rm. 54-100.

Solid State Physical Processes in Enzyme and in Photobiological Systems*
Dr. Freeman W. Cope, Biochemistry Laboratory, Naval Air Development Center. 4:15pm, 2nd Floor Conference Rm., Francis Bitter National Magnet Laboratory. Coffee and tea at 4pm.

Mythology and Non-Verbal Elements in Religion
Rev. David Killian. Tech Catholic Community Discussion Series. 7-8:30pm, Green Rm., McCormick Hall.

Thursday, November 4

Real Cool Chemistry--Chemical Reactivity at Cryogenic Temperature**
Professor Henry A. McGee, Jr., Virginia Polytechnic Institute & State University. Chemical Engineering. 11am, Rm. 9-150.

Environmental Costs and Urban Development in Latin America
C. Frankenhoff. SPURS Seminar. 1-3pm, Rm. 9-351.

Growth of Controlled Cross-Sectional Crystals from the Melt
Dr. H.E. LaBelle, Tyco Labs. Ceramic Seminar. 3pm, Rm. 2-190.

Operations Research in Air Transportation at Air Canada*
J.C. Tennant, senior operations research designer, Air Canada. Operations Research Center Seminar. 3pm, Rm. 24-307. Refreshments after seminar, Rm. 24-219.

Equivalence Models of Tasking*
Daniel Berry, Department of Applied Mathematics, Brown University. Electrical Engineering Computer Science Seminar. 3:30pm, 5th Floor, Conference Rm., 545 Tech Square. Coffee 3pm.

Turbulence Noise and Vocal Cord Vibration as Sources of Sound in Speech Production*
Professor K.N. Stevens, electrical engineering, Interdepartmental Acoustics Seminar. 4pm, Rm. 5-134. Coffee, 3:30pm, Rm. 1-114.

Opportunities and Prospects in Oral Medicine
Dr. Henry M. Goldman, dean of the BU School of Dentistry and associate director of the BU Medical Center. 4pm, Rm. 39-500.

Low Reynolds Number Flow and An Interview with G.I. Taylor**
Fluid Mechanics Films. 4-5pm, Rm. 3-270.

Metabolic Control Mechanisms in Liver and Hepatomas*
Dr. Van R. Potter, professor of oncology, University of Wisconsin. Nutrition and Food Science Seminar. 4:15pm, Rm. 54-100. Coffee, 4pm.

Cooperative Phenomena in Physical and Biological Systems
Professor H. Eugene Stanley. Physics Colloquium. 4:30pm, Rm. 26-100. Tea, 4pm, Rm. 26-110.

Subjective Aspects of Environmental Noise*
Professor R.H. Lyon, mechanical engineering. Student Section of ASME. 5pm, Rm. 10-105. Refreshments at 4pm.

Romantic Love: Neurosis or Rational Ideal?*
Nathaniel Branden, executive director of the Institute of Biocentric Psychology. LSC Lecture. 8:15pm, Kresge Auditorium.

Friday, November 5

Non-Regular Education*
Dr. J. Herbert Hollomon, consultant to the President and Provost. ERC Colloquium. 12n, Rm. 10-105.

Infrared Interferometry for Reflective Spectra of Gases Chemisorbed on Platinum*
J. Apse, chemical engineering. 2pm, Rm. 10-275.

Contact Nucleation in Crystallization*
T.W. Evans, chemical engineering. 3pm, Rm. 10-275.

Laboratory Simulation of Diffusion Over Urban and Topographic Complex
Professor J.E. Cermak, civil engineering, Fluid Mechanics Program, Colorado State University. Mechanical Engineering Seminar. 3pm, Rm. 3-270.

Models of Hemoglobic Action*
Dr. J.J. Hopfield, Princeton University. Materials Science and Engineering Colloquium. 4pm, Rm. 10-105. Refreshments, 3:30pm.

Geomorphic Evidence for Holocene and Late Pleistocene Tectonism in Death Valley, California*
Dr. Roger L. Hook, Dept. of Geology and Geophysics, University of Minnesota. Earth and Planetary Sciences Seminar. 4pm, Rm. 54-811.

Monday, November 8

Nuclear Engineering Doctoral Seminars*
Lattice Dynamics with Point Defects, C.H. Kim; *Neutron Scattering by Liquid Metals*, Y. Lefevre; *Study of Critical Phenomena in Liquid Binary-Mixtures by Digital Autocorrelation of Scattered Laser Light*, C. Lai. 3-5pm, Rm. NW12-222.

Thermo Contact Resistance in a Non-Ideal Joint*
Richard T. Roca, graduate student, mechanical engineering. 3:30-5pm, Rm. 3-444.

Vorticity**
Fluid Mechanics Film. 4-5pm, Rm. 3-270.

Evaluation of Radar and Raingage Systems for Flood Forecasting
Dr. Walter Grayman, project manager, Argentina Water Resources Project. Water Resources and Hydrodynamics Seminar. 4:15pm, Rm. 48-316.

Tuesday, November 9

Contemporary Problems in Mechanical Engineering*
Survey of biomedical engineering research. Raymond P. Zambuto, senior engineer, Medical Engineering Dept, Mass. General Hospital, "The Biomedical Engineer in the Hospital," 12:15-1pm, Rm. 3-133; panel discussion on "Amputee Control of Limb Prostheses," 1:15-2pm, Rm. 3-133; panel discussion on "Keeping the Cells Happy--The Problems of Working with Biological Materials," 2:15-3pm, Rm. 3-133; Biomedical Engineering Laboratory Open House, 3-4:30pm, Rms. 3-143 and 3-059.

Decision Analysis in Systems Planning*
Professor Ron Howard, Harvard Business School. Operations Research Center Seminar. 4pm, Rm. 39-500. Refreshments following seminar, Rm. 24-219.

The Future Promise of Mining in the Ocean
Dr. John L. Mero, president, Ocean Resources, Inc. Ocean Engineering Seminar. 4pm, Rm. 26-100.

Faust and Faustian Man*
Professor Jerome Lettvin, biology. Technology and Culture Seminar. 5:15pm, Rm. 9-150.

Massive Transformations*
Professor T.B. Massalski, Carnegie-Mellon University. Metallurgy and Materials Science Colloquium. 4pm, Rm. 3-370.

Wednesday, November 10

Float-Zone and Crystal Growth
Dr. J. Haggerty, A.D. Little. Ceramics Seminar. 1pm, Rm. 10-105.

Endotoxin and Periodontal Disease
Dr. Henry M. Goldman, dean of BU School of Dentistry and associate director of BU Medical Center. Oral Science Seminar. 3-5pm, Rm. E18-301.

The Ion Microprobe Mass Spectrometer: Determination of Near-Surface Concentration Gradients
Dr. J. Paul Pemsler, Kennecott Copper Corporation, Metallurgy and Materials Science Special Seminar. 4pm, Rm. 8-205.

Pigs vs. Augs: The Angles of Exsolution Lamellae in Clinopyroxenes
Professor Peter Robinson, geology, University of Massachusetts. Earth and Planetary Sciences Colloquium. 4pm, Rm. 54-100.

Intercalated Complexes of Layered Sulfides and Lewis Bases--A Large Class of New Superconductors*
Dr. F. Gamble, Esso Research and Engineering Company. 4:15pm, 2nd Floor Conference Rm, National Magnet Laboratory.

Thursday, November 11

Housing Situation in Large Cities of Korea and Metropolitan Areas & National Development in Argentina
W.T. Han and A. Staderker. SPURS Seminar. 1-3pm, Rm. 9-351.

Rheological Behavior of Fluids and Cavitation
Fluid Mechanics Films. 4-5pm, Rm. 3-270.

Control of Growth and Protein Turnover in Muscle*†
Dr. Alfred L. Goldberg, physiology, Harvard Medical School. Nutrition and Food Science Seminar. 4:30pm, Rm. 16-134. Coffee, 4:15pm.

Friday, November 12

Building-Sense: Teaching Architects about How Buildings Work*
Edward B. Allen, architecture. ERC Colloquium. 12n, Rm. 10-105.

Temperature and Concentration Measurement in Flames: Radiation Probing in Depth*
I. Garag, chemical engineering. 2pm, Rm. 10-275.

Intra Urban STOL Studies
Professor Michael J. Rabins, systems engineering, Polytechnic Institute of Brooklyn. Mechanical Engineering Seminar. 3pm, Rm. 3-270.

Development of Dynamic Membranes for Desalination and Water Pollution Control*
P. H. Wadia, chemical engineering. 3pm, Rm. 10-275.

The Properties of High Density Electron-hole Plasmas in Semiconductors at Low Temperatures: Evidence for Condensation*
Professor Maurice Glicksman, Brown University. Materials Science and Engineering Colloquium. 4pm, Rm. 10-105.

Student Meetings

Hellenic Students Association***
Dinner meeting with guest speaker, Constantine B. Simionides, Vice President in the Office of President and Chancellor. Thursday, November 4, 6:30pm. Ashdown, Fabian Room.

Technique Staff Meeting
Every Saturday. 11am, Student Center. Rm. 457.

Tech Engineering News*
Staff Meeting. Every Sunday, 5pm, TEN Office, Student Center. Rm. 453.

ERGO Staff Meeting
Every Sunday, 6pm, Student Center Rm. 443.

MIT Club Notes

Book of the Week*
Informal discussion over dinner of *Future Shock* by Alvin Toffler. Wednesday, November 3, 5:15-7:15pm. Ashdown Dining Hall (table near the door). Anyone who has read the book is welcome. James Snell, Ext. 4922.

Scuba Club Pool Session**
Wednesday, November 3, 8pm, Alumni Pool.

Book of the Week*
Informal discussion over dinner of *Radical Man* by Charles Hampden-Turner. Wednesday, November 10, 5:15-7:15pm. Ashdown Dining Hall (table near the door). Anyone who has read the book is welcome. James Snell, Ext. 4922.

Alpha Phi Omega*†
Chapter meeting. Wednesday, November 10, 7:30pm, Rm. W20-407. Refreshments served.

Tech Dames**
Second meeting with guest speaker, Audrey Hoffman, who will speak on interior decorating. Wednesday, November 10, 8pm, Mezzanine Lounge, Student Center.

Scuba Club*
Professor Damen Cummings, Ocean Engineering, will discuss "Ocean Engineering Summer Laboratory" and show slides. Wednesday, November 10, 8pm, Rm. 20E-017. For more information call Skip Scheller 776-2168.

MIT Club of Boston**
Alfred H. Keil, Dean of Engineering, will speak on "The Education of an Engineer at MIT" on Thursday, November 11, 12:15n-1:30pm, Aquarium Restaurant, 100 Atlantic Ave, Boston. Luncheon cost \$3.50, payable at the door.

Music Club***
Meeting for all members. Friday, November 12, 5:30pm, Faculty Club.

Base SPAZ Jogging Club**
8:45pm, Baker House, Second Floor West.

Duplicate Bridge Club**
Every Tuesday, 7pm, Blue Room, Walker. Every Tuesday, 6:00pm, Student Center, Rm. 491.

Chess Association*
Every Tuesday, 8-11:30pm, Student Center, Rm. 473.

Judo**
Every Monday, Wednesday and Friday, 5pm; every Saturday, 8:30am, Exercise Room, duPont Gym. Beginners welcome.

Table Tennis Club*
Every Monday and Thursday, 5pm, Student Center, Rm. 473.

Classical Guitar Society**
Classical and Flamenco guitar classes: private, Mondays, 7pm; group, Thursdays, 5pm-8pm. Rm. 1-136. For more information call 661-0297.

Rugby**
Every Tuesday and Thursday, 5:00pm, Briggs Field. For more information call Wayne Book, Ext. 5095, or Ron Phillips, 2452.

Fencing Club**
Fencing. Every Tuesday, 6-9pm, Fencing Rm. DuPont Gym, Student Center.

Tennis Club***
Meeting and practice session. Every Wednesday, 7pm, Tea Club Lounge, Armory.

Chess Association*
School, first Thursday of every month; general meeting, third Thursday of every month. 7:30pm, Student Center, Rm. 473.

Fiction Society*
Every Friday, 5pm, Rm. 1-236.

Folk Dance and Lore***
Sponsored by Boston Indian Council, Inc. Every Friday, 7pm, Student Center, Rm. 407.

Homophile League*
Meeting and mixer. Every Friday, 7:30pm, Mission 33 Bowdoin St. Boston.

Life/Campus Crusade for Christ*†
Bible training classes. Five week series of lectures and seminars for all followers of Jesus interested in learning to articulate their faith. Every Friday, 8-9:30pm. For more information call Professor Paul Schimmel Ext. 6739 or Williams at 536-6868.

Bridge Club**
Duplicate bridge. Every Saturday, 1-5pm, Student Center, Rm. 491. Admission is \$2 per term or 75 cents per session.

Table Tennis Club**
Every Saturday and Sunday, 1:30-5:30pm, Student Center, Rm. 491.

Events

Afternoon Club**
Conversation and all the cold draft Budweiser you can drink. Every Friday, 5:30pm. Ashdown House, basement, Games Room. Admission: men \$1 and women free, over 21.

Films

Against the Thing*
Annual UMOG movie. Thursday, November 4, 7pm-10pm, Rm. 10-250. Admission 48 cents.

Shelter**
Friday November 5, 7pm and 10pm, Rm. 26-100. Admission 50 cents.

Big Man**
Saturday, November 6, 7pm and 9:30pm, Rm. 26-100. Admission 50 cents.

Chess Society*
Every Monday, November 8, 8pm and 10pm, Rm. 473. Admission \$1.

Education of a Citizen**
Every Friday, November 12, 7pm and 10pm. Rm. 26-100. Admission 50 cents.

Music

Day Noon Hour Concerts*
Giving a Harpischord Concert, performed by John Williams. The program will include works by Handel, Scarlatti, and Scarlatti. Thursday, November 4, 12:10pm, Ashdown Dining Hall.

Fall Concert*
Concert Band conducted by John Corley presents its annual Fall Concert on Saturday, November 6, 8:30pm, Kresge Auditorium. Free.

Mixed Chorus
Informal singing group. Every Monday, 9:30pm, McCormick Hall. For more information call Sue, dormline 0990.

Dance

Modern Dance Technique Class**
Elementary/Intermediate. Every Monday, Wednesday and Friday, 5:15pm, McCormick Gym.

Tech Squares*
Square dancing every Tuesday, 8-11pm, Rm. 10-105. For more information call dormline 0888 or 492-5453.

Dance Workshop**
Modern dance classes. Elementary, Tuesdays and Thursdays, 10am and 2pm. Intermediate, Tuesdays and Thursdays, 12 noon. General classes, Thursdays, 7pm. Admission: \$2 for the community, free for students. McCormick Gym. For more information call Cha-Rie Tang, dormline 0908.

Friday Afternoon Dance Break*
Folk Dance Club. International folk dancing on the oval lawn in front of Kresge. Every Friday, 12:30-1:30pm.

Folk Dance Club*
International folk dancing. Every Sunday, 7:30-11pm, Sala de Puerto Rico.

Folk Dance Club*
Balkan folk dancing. Every Tuesday, 7:30-11pm, Rm. 407, Student Center.

Folk Dance Club*
Israeli folk dancing. Every Thursday, 7:30-11pm, T-Club Lounge, duPont Gym.

Exhibitions

Works by Henriette Grindat*
Reporter-photographer. Creative Photography Gallery. Friday, November 5 to Tuesday, November 30, 12n-7pm, Bldg. W31, 3rd floor.

Sculpture by Lynda Benglis*
Beginning Monday, November 8, visitors may watch the artist construct a large foam sculpture in Hayden Gallery. A party, celebrating completion of the sculpture will be held Friday, November 19, 8-10pm in Hayden. Sculpture displayed through December 17.

The Art of Rigging and Bouy System for Air-Sea Studies*
Hart Nautical Museum. Bldg 5, first floor.

Main Corridor Exhibitions*
Presented by students and departments. Bldgs 7,3,4,8.

Athletics

Junior Varsity/Freshman Soccer*
Phillips Exeter, Wednesday, November 3, 3pm, Briggs Field.

Junior Varsity/Freshman Soccer*
Connecticut. Saturday, November 6, 2pm, Briggs Field.

Varsity Sailing*
Schell Trophy. Saturday and Sunday, November 6-7, 10am, Charles River Lower Basin.

Religious Services and Activities

The Chapel is open for private meditation from 7am to 11pm every day.

Hillel Religious Services*
Monday-Friday, 8am, Rm. 7-102.

Christians for Dinner*
United Christian Fellowship. Every Tuesday, 6-7pm. Walker Dining Hall (under the sign of the fish).

Praying, Singing, Sharing Meeting*
United Christian Fellowship. Every Tuesday, 7-8pm. East Campus Lounge.

Christian Science Organization*
Weekly meeting including testimony of healing. Every Tuesday, 7:15pm, Rm. 8-314.

Christian Bible Discussion Group*
Every Thursday, 12:15pm, Rm. 20B-031. For information, call Professor Schimmel, Ext. 6739, or Ralph Burgess, Ext. 2415.

Islamic Society Prayers*
Every Friday, 1pm, Kresge, Rehearsal Rm. B.

Vedanta Service*
Every Friday, 5:15pm, Chapel. Discussion hour, 6pm, Ashdown Dining Hall.

Hillel Religious Services*
Every Friday, 7:30pm, and every Saturday, 9am, Chapel.

Roman Catholic Mass*
Every Sunday, 9:15am, 12:15 pm and 5:15pm, Chapel.

Christian Discussion Group*
Bible study and discussion of Christianity today. Every Sunday, 9:30-11:00am, McCormick Seminar Rm. A. For more information call Ron Gamble, Ext. 6712 or 547-4279.

Christian Worship Service*
Every Sunday, 11am, Chapel.

Hillel
Classes in Hebrew, Talmud, Yiddish, T'Hillim and Medieval and Modern Jewish History. For details call Hillel office, Ext. 2982.

Free Draft Counselling*
Hillel, 312 Memorial Drive, Ext. 2982. Call or visit, 10am-5pm.

Coming Events

Fall Blood Drive
Donation by appointment please. See your solicitor or TCA, W20-450 for a form. Monday-Friday, November 8-12, 9:45am-3:30pm, Sala de Puerto Rico, Student Center. For more information call Ext. 7911.

Don't Forget

MIT Press Annual Book Sale*
Bonanza book sale, 50% to 95% off on all Press titles, 15,000 books from the complete MIT Press catalog. Sale hours: Wednesday, November 3, 12n-9pm; Thursday, November 4, 10am-8pm; Friday, November 5, 10am-4pm. Sala de Puerto Rico, Student Center.

Tech Show '72
Informal meeting for potential authors and composers and others interested in learning about Tech Show '72. Thursday, November 4, 7:30pm, Kresge Little Theatre. Refreshments will be served. For additional information call Jeffrey Meldman Ext. 2871 or Professor A.R. Gurney, Jr., Ext. 2644.

Wellesley-MIT Residence Exchange
Applications for the spring 1972 residence exchange are available in Rm. 7-101 and Rm. 7-111. Applications are due Wednesday, November 10.

Grad II Test Results
Students who filled out Grad II Input Forms may pick up their computer print-outs in the Student Placement Office, Rm. E19-455.

Muddy Charles Pub**
Join your friends at the Muddy Charles Pub, 110 Walker, 10:30am-7:30pm daily. Ext. 2158.

***Open to the Public**
****Open to the MIT Community Only**
*****Open to Members Only**
†Freshmen encouraged to attend.

Send notices for November 10 through November 19 to the Calendar Editor, Room 5-111, Ext. 3279, by noon Friday, November 5.

ME to Survey Biomedical Research

The recent application of engineering technology in the field of medicine has created new demands on the engineer. He must use innovative skills and apply a broad technical background to new problems in biomedical engineering.

On Tuesday, November 9, the Mechanical Engineering Department will present a survey of research topics in biomedical engineering. Students, faculty, staff and visitors from outside MIT are invited to attend and participate in the discussions and laboratory demonstrations.

Included in the program will be discussions of the role of a biomedical engineer in the hospital, the use of limb prostheses by amputees, and the problems of working with biological materials. An open house will be held in the Biomedical Engineering Laboratory following the discussions. Demonstrations and exhibits of recent research in the ME Department will include sensory aids for the blind, the Boston arm, studies of bone wear and arthritis, cryogenics, ultrasound for the control

of pain, and blood circulation.

The program will be held in Room 3-133 from 12 noon until 4:30pm.

TECH TALK
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Please address all news and comment to the Editor, Room 5-111, Ext. 3277.

