

MIT receives \$13 million in patent litigation

By David Vanderwert
MIT will receive a \$13 million settlement of a patent dispute from the International Business Machines Corporation, it was announced yesterday.

The dispute involves the digital core memory, which was invented by Professor Jay W. Forrester '45, now of the Sloan School of Management.

A further sum may be expected from the Radio Corporation of America, which was also involved in litigation regarding the memory unit.

Forrester filed for a patent on the memory device in the early 1950's, and was granted the patent in 1956. At that time, however, his inventorship was contested by Dr. Jan A. Rajchman, a researcher employed by RCA. The contest of the patent was carried on first

through the Patent Office, and then through the United States District Court in New York City in a suit between Research Corporation, which at that time handled all inventions made by staff members at the Institute, and RCA. Research Corporation also brought suit against IBM, charging infringement of Forrester's patent.

rester was finally given the rights to the patent. The suit against IBM was terminated by a license granted to them by the Institute. The license provided that IBM would pay lump sums based on its estimated future core production as related to past production. The \$13 million settlement was based on this estimate.

Educational enrichment

Agreement was reached with RCA on a combination of licenses, some with royalties and some not. Proceeds from the patent will be used by MIT for enrichment and expansion of its educational program.

The \$13 million dollars will permit MIT to pursue further research in the computer technology area, according to a spokesman.

MIT enters suit

In 1963, the agreement between Research Corporation and MIT was ended. At this time MIT became a party to both the RCA and IBM suits.

Last week, eight years after the patent was granted, both cases were decided. The suit against RCA was ended with a consent judgment in which For-

Competition for Fulbright Scholarships for 1965-1966 officially opens May 1

The competition for Fulbright scholarships for the 1965-66 academic year will officially open on May 1, the Institute of International Education announced today.

The Institute conducts competitions for the government scholarships provided by the Fulbright-Hays Act as part of the educational and cultural exchange pro-

gram of the State Department. Under this program, more than 900 American graduate students will be given the opportunity to study abroad in any one of 51 countries.

Qualifications for the scholarships are as follows: applicants must be citizens, must have a bachelor's degree or its equivalent

by the beginning date of the grant, and must be proficient in the language of the host country. Selection will be made on the basis of academic and professional record, personal qualifications, and the proposed study plan.

In 1965-66 approximately 50 additional grants for Latin American study will be available. These grants will be offered to graduating seniors and recent graduates, particularly in the fields of social science, history, law and humanities.

Three types of grants are made available by the Fulbright-Hays Act: full grants providing total tuition, maintenance and transportation; joint grants in which the US government together with a foreign government provide tuition, full or partial maintenance and travel costs; and travel-only grants.

Interfraternity Conference elects 5, appoints 6 others

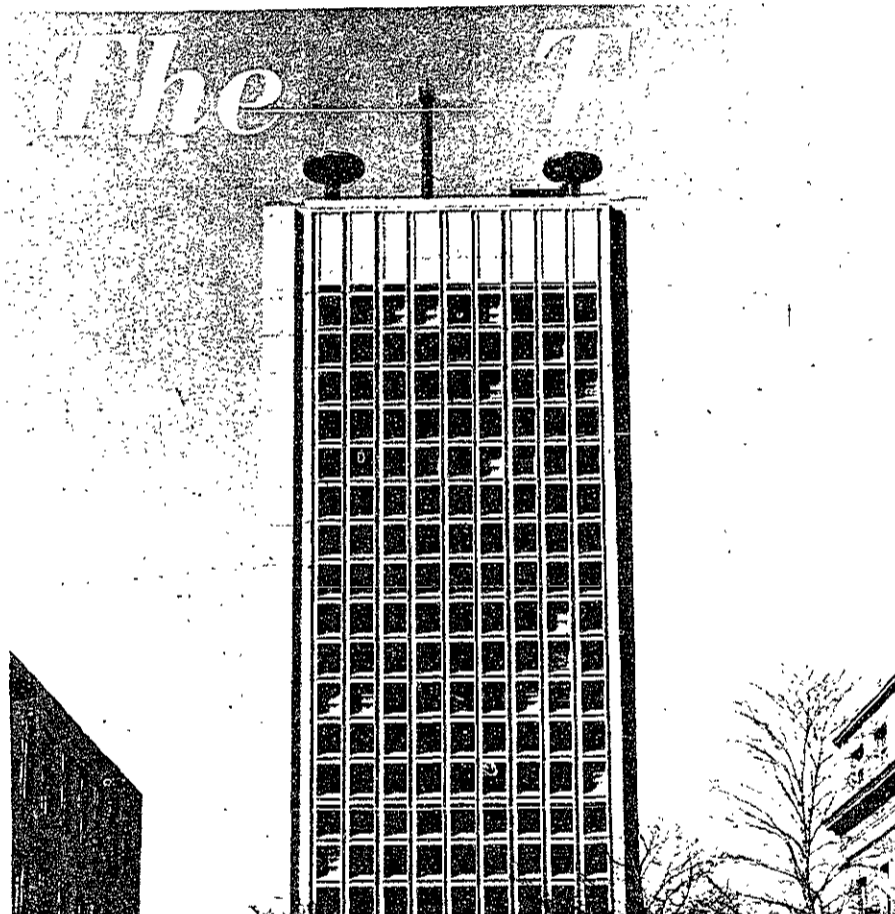
Five elective and six appointive positions were filled by Interfraternity Conference action last Thursday, April 9.

Henry Lichstein '65, Sigma Alpha Mu, was elected chairman of the IFC Investigations Committee. Marshall Fisher '65, Phi Gamma Delta, was elected secretary of the same committee. Members at large are: Bob Large '66, Lambda Chi Alpha; John Proctor '65, Theta Chi; and Dave Anderson '66, Sigma Phi Epsilon.

The appointed officers are: Secretary, Mike Kinkead '66, Alpha Tau Omega; Public Relations Chairman, Alan Steinman '66, Sigma Alpha Mu; and three representatives to Intramural Council, John Hawkes '66, Sigma Nu;

Joe Blew '64, Phi Gamma Delta; and Ron Mandle '65, Alpha Epsilon Pi.

Chuck Hurd '65, Phi Gamma Delta, was appointed chairman of an eight-man committee to study the image and justification of the IFC.



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Progress rapid

Geology Department moves

by James Veilleux

The Department of Geology and Geophysics is making rapid progress in the transfer of its facilities to Building 54, the new twenty-story Earth Sciences Center. According to Professor William H. Dennen, coordinator in charge of the moving operations, Course 12 will have occupied 80 percent of its portion of the Green Building by the end of May.

With the general construction deadline just recently completed, the department will increase the pace of its moving task in the remaining two months of the term. All of its equipment in the basement, third, and fourth floors of Building 24 and in part of Building 20 must be relocated in the new Center.

Intricate Job

The job is an intricate one which involves an inventory of each existing office, laboratory, and collection case and a careful coding and packing of their contents for physical shipment. In addition, each article must be reassembled and placed in a predetermined location, once it has been moved to Building 54. Toby

Zidle, a graduate student in Course 12, handles the details of this project.

The actual physical transfer of materials for both the Department of Geology and Geophysics and the Department of Meteorology is directed by Arthur Litchfield of the Physical Plant. The physical moving is done by priv-

(Please turn to page 5)

Pritchett Lounge increases service; adds pool table and candy counter

A pool table, candy counter, and baseball and bowling machines have recently been installed in Pritchett Lounge. In addition, there are plans to open the adjoining Blue Room for card and chess playing.

The director of Walker Memorial, R. J. Radocchia, said that the changes were intended to make Pritchett and "east campus student center." In addition, the lounge will soon have a magazine stand and pizza oven.

The renovation of Pritchett was first suggested by Senior House Faculty Resident Murray Eden. Several Senior House students talked to Prof. Eden about the shortage of meeting places for east campus residents. Changes were approved by Jay Marden, Director of Auxiliary Services.

Marden said that he hopes that Pritchett will now "generate that kind of atmosphere that the students would want to relax in."

Bloodmobile success

Largest peacetime drive in state

The 1325 pints of blood MIT donated last month formed the largest peacetime blood mobile in this state, according to the American National Red Cross.

The Red Cross was unprepared for so many donors, and as a result, a waiting line developed. Many people who otherwise would have given left without giving blood when they saw the long line.

Some donors were called and asked to reschedule their donations; however, the delay made it impossible for them to give. The Red Cross will have larger facilities for next year's blood drive.

710 pints came from students, and employees formed the next largest donor group with 346 pints. A major source of increase in donations was due to work by the IFC, which raised donations from fraternities over the 1963

level of 60 pints to about 300 pints.

All members of the Institute Community may draw as much blood as needed at any Red Cross Regional Blood Center.

John Carley was the Head Coordinator of the drive. Major student groups participating were the TCA, APO, UFC and the IFC.

Friends of Wiener to establish memorial

Many local friends of the late Professor Wiener have indicated a desire to make some contribution in his memory to a worthy group, according to his secretary.

She has corresponded with Mrs. Wiener, who suggests that these donations go to the International Student Association, 33 Garden Street, Cambridge. Professor Wiener had been deeply interested in the welfare of this organization.

Barghoorn says Soviet propaganda gets success from value difference

"Soviet propaganda derives much of its success from a dichotomy of values: presenting a closed program to the party intimates while stressing an open, appealing program to the masses," said Frederick C. Barghoorn before a Kresge audience of 500 people, Wednesday, March 25.

The Lecture Series Committee speaker, a professor of political science and Russian studies at Yale, was arrested on espionage charges last November and held in solitary confinement for over two weeks. The lecture, entitled "Strategy in Soviet Inter-Cultural Communications Policy," reviewed the development of the modern propaganda techniques employed so successfully by Soviet party leaders.

Why and how was Russia the first in the systematic use of propaganda? Although now technological advantages of Communism might be underlined, in 1917

ideological arguments were the sole means of rationalizing the country's new system to the citizens and Marx-Leninism was presented as a moralist doctrine asserting that future might makes present right.

In the past fifty years, Russians have seen the vulnerability of presenting Communism as a messianic movement and have made many materialistic promises. This secular, short-range realistic approach met with limited success and is much in evidence today, but the party hierarchy still uses the idealistic, sacrificial tenets of scientific socialism as a formidable defense mechanism against fear and anxiety. Rationalizing the prosperity of the United States is a difficult task for the Soviets, and they meet it by equating it with moral degeneracy.

Today the Soviets have an open program where they offer appealing short-term goals and make accepted demands. In an esoteric, closed program, the Party discloses its long-range ideals that only revolution can consolidate the Russian people under Communism. In line with the open program the Communists try to assertively pre-empt the peace issue.

Although Russians, under the second program, are formulating an effective plan of disarmament, they have yet offered nothing but peace on their own terms and disarmament along a unilateral path. In essence, says Barghoorn, they will not accept a program of peace except under their organization and leadership; "everything else is strategy."

Killian expresses views on research industry at MIT Alumni Dinner

Dr. James R. Killian, Jr., Chairman of the Corporation, spoke at an MIT Alumni Center Dinner at the Hotel Roosevelt in New York, April 9.

Killian's speech concerned the maturing in the United States of the "Research, Development, Test and Evaluation" industry since World War II.

Today the scientific research industry is an \$18 billion industry, representing almost three percent of our gross national product. This is a measure of the United States' progress toward becoming a research-based society.

As a result of the present requirements of defense and space exploration, the government has become the principal supporter of scientific research. At present, conclusive evidence that the United States now holds world leadership in science. Our scientific effort represents such a powerful partnership between science and engineering that many foreign scientists have left their home countries to take advantage of the favorable research environment they find here.

However, despite our present successes in the fields of science and engineering, we should avoid a lapse into complacency which could obscure future achievements. According to Killian, we must also maintain an undiminished steady input of creative ideas in our advanced weapons technology.

According to Killian, "a sound national policy for science must call for the increase and creative use of funds from foundations, corporations, and individuals, along with government support, and the Federal Government as a matter of policy should encourage and facilitate this private support."

Focus:

Class of 1964 Officers

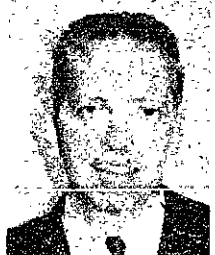
The class of 1964 has experience represented in its permanent class officers, with a former UAP and two past class presidents.



Steve Glassman

President Steve Glassman of Flushing, N.Y.,

a resident of Baker House, has been serving as class president this past year, and has previously served the class as secretary-treasurer and a member of Junior Prom committee. He has also been secretary of Lecture Series Committee and the treasurer of IEEE.



Jerry Luebbers

Vice-president Jerry Luebbers, the immediate

past UAP, will be working with Steve to carry out the above proposals and will bring with him the experience of a UAP. Jerry has also been a member of Q-Club, and rowed on the crew team his freshman year and part of his sophomore year. He is a member of Sigma Phi Epsilon

fraternity and has served the house as treasurer, scholarship chairman, and IFC representative. An industrial management major, Jerry hails from Park Ridge, Illinois.



Ron Gilman

Ron Gilman, the permanent secretary-treasurer,

is a native of Memphis, Tennessee, and a member of Zeta Beta Tau fraternity. He has been quite active in Institute politics, as his record shows, having served as vice-president of the freshman council, vice-president of the class his sophomore year, and class president and chairman of the JP Committee as a junior.

Ron was a member of Beaver Key, is the retiring chairman of the Freshman Coordinating Committee, and has been in APO for four years. He is presently keeping busy as Spring Weekend Committee chairman.

His job as secretary-treasurer of the class will be a burdensome one as he will be handling all the correspondence for the class. It will be his responsibility to keep tabs on what class members are doing as time goes on so that he may publicize this information in *Technology Review*.

One of the goals of the officers, as stated by Steve, is to do as much as possible to get the alumni association to be more than a fund-raising organization. He believes that the alumni association can be an active service to graduates by supplying them with information regarding the location of class members, and plans to publish a directory of the class telling where each member will be next year.

It is also felt that certain improvements are needed in the educational counseling system, and one that the officers and executive committee favor is better informed educational counselors. These men have the responsibility of interviewing all prospective students.

Peace Corps official lauds Tech response to Corps visit, exam

After the Peace Corps visit to the MIT campus last month, Ned Chalker of the University Division of the Corps reported that response at MIT was nearly three times the national average.

Mr. Chalker continues: "I was extremely happy with the quality of people who have shown interest in the Peace Corps and I hope this type of enthusiasm will continue."

53 people took the aptitude test administered by the Corps during their visit. Of this number 41 turned in their questionnaires at that time. 7 others had previously sent in their completed questionnaires.

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Two MITSG members on radio for debate held last Saturday night

Two representatives of the MIT Students for Goldwater appeared on WMEX's Jerry Williams Show last Saturday night, discussing Senator Goldwater's views and his chances for the Republican nomination.

Mike Leavitt '66, head of the 118-member group, and Dave Nolan '65, the group's former leader, spent 1½ hours in an informal

debate with Mr. Williams and two students from Boston English who were anti-Goldwater. This was followed by an hour of questions from listeners.

Activities planned by the MITSG for the remainder of the term include a booth in Building 10 the week of April 27, and their final meeting for the term on May 9.

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Executive Committee names Vents collapse inside Building 16; incorrectly listed last week extensive repairs made necessary

The April issue of The Tech incorrectly listed the Executive Committee of the Corporation. Ex officio members of the Executive Committee are Julius A. Stratton, James R. Killian, and Joseph J. Snyder. Term members are Varnevar Bush, James B. Fisk, Donald F. Carpenter, William B. Bergen, Mervin J. Kelly, Frank R. Milliken, Edward J. Hanley, William A. Coolidge, and Malcolm G. Kispert, Secretary.

A caving in of the ducts used to vent the laboratory hoods in Building 16 has necessitated considerable repair work.

The addition of more hoods caused the draft to be insufficient. The power of the air pumps, which are located on the ninth floor, was therefore increased. The force of the pumps was now so great that it caused the ducts to cave in.

This cave-in has made it necessary to open the walls in the corridors on all eight floors which

contained laboratories. Small holes are cut in the ducts and they are then pulled back into shape. Supporting rods can then be installed inside the vents, thereby increasing their strength considerably.

Professor F. H. Norton receives ceramics award from Pittsburgh society

Professor Frederick Harwood Norton received the 17th annual Albert Victor Bleining Memorial Award in Pittsburgh March 20. The award was presented by the Pittsburgh Section of the American Ceramic Society in recognition of distinguished achievement in that field.

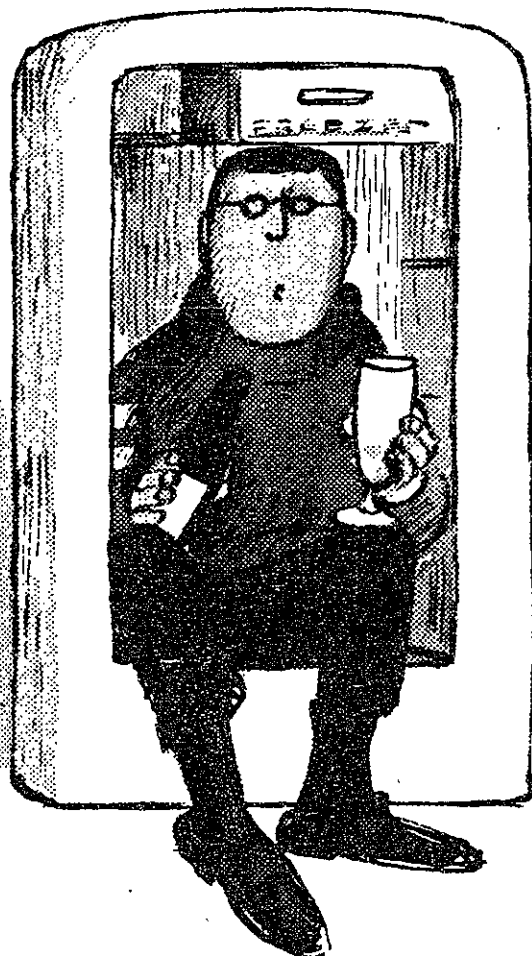
Professor Norton, head of the Ceramics Division here, has done extensive research in the field of ceramics and refractory technology.

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6 finalists chosen

Queen contest continues



Pat Sullivan



Helen Sandalls



Kathy Noyes



Susan Q. Thompson



Mary Ann Parks



Joyce Gold

Six Spring Weekend Queen Finalists were determined Friday from the 480 ballots cast in two weeks of student voting. The finalists, selected from seventeen entries, are:

Joyce Gold, Oak Park High School, Detroit, Michigan, the date of Chuck Greene '67, of Zeta Beta Tau.

Kathy Noyes, of Dana Hall, the date of Roy Wittenbach '65, of Phi Gamma Delta.

Mary Ann Parks, of Wellesley College, the date of Robert Howard '67, of Tau Epsilon Phi.

Helen Sandalls, of Wellesley College, the date of John Stampfel '66, of Phi Kappa Theta.

Pat Sullivan, Boston University School of Nursing, the date of James Monk '64, of Lambda Chi Alpha.

Susan Q. Thompson, of Wellesley College, the date of John R. Mertons Jr. '64, of Baker House.

Joint Center for Urban Studies fellowships awarded for study to MIT doctoral candidates

Fellowship awards for 1964-65 were announced April 6 by the Joint Center for Urban Studies of MIT and Harvard.

Samuel Stouffer Fellowships were awarded to Robert Goodman, a doctoral candidate from the MIT City and Regional Planning Department, and to Chester Hartman of the City Planning Department at the Harvard Graduate School of Design. In addition, George Hemmens, an MIT City Planning Department student,

was awarded an honorary Stouffer Fellowship.

V. O. Key Fellowships were awarded to Harvard Ph.D. candidates Stephen Elkin, John Gardiner, and Jon Peterson. Elkin and Gardiner are government students, and Peterson is in the Department of History.

The Joint Center for Urban Studies was founded in 1959 to encourage research on problems of urban and regional development. It is a cooperative research organization which draws its participants from several departments at both MIT and Harvard.

The Key and Stouffer fellows will spend a year at the Joint Center working on their dissertations and participating in the program of lectures and seminars conducted at the center.

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Science and government

Editor's note: The following editorial is reprinted from the March 30, 1964, issue of The New York Times. Copyright 1964 by The New York Times Company. Reprinted by permission.

The National Academy of Sciences' report, which the editorial discusses, can be read in the March 20, 1964, issue of Science magazine. A further discussion of the problems of government partnership with the universities in research follows The Times' editorial.

A blunt warning is only thinly concealed by the diplomatic language of the National Academy of Sciences' report on Government-supported basic research at universities. It is this: the entire present structure of Government-subsidized research may be seriously weakened by intergroup frictions among Government and university officials and scientists.

The tensions and conflicting interests behind the warning are clear. Government officials, answerable to Congress, want to be sure that funds they dispense go only for the purposes envisaged and are accounted for with enough precision to withstand rigorous audit. Scientists, many of them contemptuous of "bureaucratic paper work" and prizing maximum freedom of research and publication, resent restrictions and accounting requirements that accompany the Gov-

ernment largesse. Universities, anxious to receive Washington's grants and to achieve reputations for scientific accomplishment, do not always adequately supervise the use of these funds. And university officials are sometimes the weaker bargainers in negotiations with eminent scientists who are also skillful entrepreneurs in the business of getting Federal money. The academy's call is for all these groups to change their practices and habits of thought so as to accommodate and reconcile their mutual requirements in this complex setting.

The academy's warning about the possibility that teaching may become a "poor relation" to research in American universities is particularly important. The lucrative and prestigious character of research as compared to teaching under present conditions leads to situations which the report describes thus: "Some scientists retire from virtually all contact with students, while others only a little less distinguished are so overloaded with teaching that they are forced out of research." To the extent that Government funds foster this campus schism, vigorous action is needed to change the situation for the benefit of the students, the universities and the nation.

. . . and the Institute

The recent report of the National Academy of Sciences' Public Policy Committee is highly relevant to MIT. We are deeply involved in research sponsored by the Department of Defense and other government bodies.

In the fiscal 1962 budget, MIT received \$82.5 million in Federal funds for operating the defense laboratories. About \$28.4 million—or approximately half—of the operating costs of the Institute proper, excluding the defense laboratories, was supplied by Federal grants and research contracts.

The Department of Defense recently reorganized its Directorate of Defense Research and Engineering in an attempt to improve the efficiency of the government's research spending. If this effort is successful, further increases in Federal research funding can be expected. The amount spent at the present time is already considerable.

Statistics On Funds

The latest U.S. Statistical Abstract reveals that Federal funds for basic research alone totalled \$849 million in fiscal 1962. The accelerated space program has increased the figure since that time.

The allocation of this budget is very interesting. Out of the \$849 million, about \$238 million was spent within the government. Some \$442 million of the balance went to universities—chiefly to an elite few, including MIT, Caltech, and Berkeley. The extent of MIT's involvement in Federal research funds can be sensed by comparing its fiscal 1962 budget figures, given above, with the total of \$442 million for basic research which

went to all the nation's universities in that period.

Thus the government spent over half its basic research budget within the universities. The overwhelming bulk of these funds came from the Department of Defense and from the space program.

The trend in Federal research subsidies is even more striking. In the three-year period preceding fiscal 1962, basic research spending increased by \$58 million within the government—but jumped by \$186 million at the universities.

Federal Aid Necessity

Federal partnership in research is here to stay. It is a necessary consequence of the use of science as a cold-war weapon and of the spiralling costs of non-military research.

Government aid has been very fruitful in many instances. However, it can also distort the function of a university to an alarming degree. Dr. B. D. Van Evera, former head of the Washington Academy of Sciences and dean of sponsored research at George Washington University, pointed out some of these distortions in a recent speech.

Dr. Van Evera noted that the glamor of outside consulting and research has made these activities seem to be the chief end of university faculties. A discouragement of excellence in teaching is the inevitable result.

The extent of this problem at MIT reached national prominence when the New York Times commented editorially on President Stratton's annual report in its February 14, 1964, issue. As the editorial noted, "The professor who does a superb job of teaching physics or calculus can normally expect little beyond the gratitude of his limited number of students. The same energy poured into research will, if it produces a significant finding, result in fame, promotions, and lucrative consultantships."

What To Do?

It would be folly to suggest that public support of scientific research should be abolished or reduced simply because it causes problems which vigorous action could solve. Probably more, not less, support of science is needed. Radar, nuclear power, and jet aircraft are only a few examples of the many scientific advances which have become vital in the civilian economy after development through government-sponsored research.

The problems introduced by research supported by the Federal government can be solved by intelligent action. Next week we will point out how MIT can act to solve the problems which it and other major universities face in this area.

Footnotes

By Bill Judnick

The announcement of the new COOP manager, as per my Footnote 11, is the latest addition to the list of prophecies-come-true.

Here are more candidates to pass the test of time:

The Crystal Ball

34. As you may know, the decorative theme of the annual Assemblies Ball is usually as spectacular as it is secret (before the event). The decor this time, I'll guess, is to be taken from the history of an island.

35. Those of you hoping for a teaching assistantship in the academic year '66-'67 will probably be paying as much as everyone else per credit hour. People in this class now get a special deal, but the winds are unfavorable for continuance.

36. How will you get from the main building to the new Student Center? Two proposals are up in the air: a footbridge over, or a tunnel under, Mass. Ave. I'll bank on the tunnel.

37. Speaking of the Center, I'll predict that present plans for an 8-foot parapet on the top will be modified to include roof-top landscaping; thus, students using the fifth-floor library will see something other than concrete through the picture windows.

38. Ground-breaking will occur this year for the Institute's third parking garage, in easy walking distance of Tech Square.

39. (Clarification of Footnote 8) The Institute will administer NDEA loans to students for the first time next fall.

40. TSE will be doing future chartered flights on scheduled airlines (instead of airlines such as Flying Tiger and Caledonia) for reasons of safety. This will follow close scrutiny of statistics such as crashes/mile.

41. The newly-formed Gilbert and Sullivan Society will be off to a good start when they examine their books for last Friday's production. The ink will be black.

On Stage

Speaking of that show, there were things going on behind-the-scenes that would astound a Sabatini with their complexity: How do you get Kresge for a night anyway? Well, the mem-

bers of Gilbert and Sullivan are still puzzling that out.

Usual procedure is to clear the date in advance through Mr. Laurence Bishoff, Assistant to the Dean of Student Affairs, so they saw him; final confirmation came January 13 with April 24 reserved for the production.

Three days later, a member of the Society mentioned the date to Professor Klaus Liepmann, Director of Music at MIT, mentioning that the planned date was especially opportune since it coincided with Parents Weekend. Liepmann expressed his complete approval.

But on January 24, the MIT Gilbert and Sullivan Society was informed by Bishoff that they had been preempted by a Choral Society open rehearsal directed by Liepmann!

Apologizing for his "clerical" error, Bishoff gave Gilbert and Sullivan a substitute date of April 10, and said they could have every evening during the week of April 6 for rehearsal purposes in Kresge.

More dates

(If you've followed the intricacies thus far, you're at least half awake; but there's more to come.)

Another communique from Bishoff came March 13, slightly modifying "all week" to Thursday evening and Wednesday afternoon ONLY. This was accompanied by an offer of Kresge day-and-night during Spring Vacation as a substitute for the lost time.

The Gilbert and Sullivan people were as confused as you are, and dismayed on top of it, because many had already made plans for a trip back home.

To top it all off, the choral rehearsal for April 24 that set off the chain of cancellations has now been cancelled!

Moral: those negotiating for a Kresge date had better have a lot of patience and no stomach ulcers.

Two shake-ups

The managing board of Tech Engineering News and the presidency of the Young Republican Club are both under severe internal pressures, I hear. Some decisive action may be announced soon.



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80 percent by May

Geology move underway

(Continued from Page 1) ate companies, and most of the materials are stored in the underground tunnel of the Green Building when they first arrive. Now half-completed, this passageway will eventually connect the structure to the Life and Sciences Center.

Professor Dennen, Mr. Litchfield, and Professor Delbar P. Kelley, Course XIX, together coordinate the moving schedule. The timing of this project is complicated by the fact that the offices and laboratories to be moved must remain operational throughout the rest of the term. Consequently, each laboratory of Course 12 is being transferred in increments during the next two months, and many of them will function simultaneously in both locations for a short period of time. Much of the moving must be delayed until two more high-speed elevators, a phone system, and several windows are installed.

Four to thirteen Portions of the Earth Sciences Center to be occupied by the department include the basement and floors four through thirteen. The Lindgren Collection of min-

erals and ores and the Petrology Collection of igneous and metamorphic rock have already been set up in their permanent basement locations. These references for research work will be complemented by rock-crushing and instrument storage rooms on the same floor.

The fourth story is the geology teaching floor, which contains instructional labs for physical and structural geology, mineralogy, petrology, sedimentology, and stratigraphy. Floors five through eight hold offices and research laboratories, dealing with such areas as rotating fluids, geophysics, rock deformation, and crystallography. The geology machine shop, which was moved last week, is located on the sixth floor; and X-ray units for crystallography on the eighth.

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Music, drama scheduled for Parents' Weekend

MIT will present a variety of entertainment in Kresge Auditorium over coming Parents' Weekend. Jazz buffs will enjoy the MIT Concert Jazz Band, formerly called the Tech-tonians, on Saturday, April 25, at 9:00 p.m. Tickets are \$1.00 at the door or free in Building 10.

The weekend's Classical offering will be a chamber music concert Sunday, April 26, at 3:00 p.m. The Nova Arte Trio, whose members are the principal violin, viola, and 'cello of the Boston Symphony Orchestra, will present works of Mozart, Hindemith, and Beethoven. Tickets are \$2.00 at the Box Office, ext. 2910, or in the lobby of Building 10.

The MIT Dramashop's major production for this term, Henrik Ibsen's classic 'The Wild Duck,' will open Wednesday, April 22, in the Little Theatre. Through Saturday, April 25, there will be evening performances at 8:30; there will be a special matinee Sunday, April 26, at 2:30 p.m. Tickets are \$1.50, on sale at the Box Office or in Building 10.

Critic's Choice

Griffith's monumental 'Intolerance' at Harvard

By Gilberto Perez-Guillermo

'Intolerance,' at the Harvard Visual Arts Center, Sunday, April 19 at 7:15, may not be D. W. Griffith's best film (personally, I prefer 'Birth of a Nation' or 'Broken Blossoms'), although it is unquestionably his most ambitious one, and remains a magnificent work in any case. Made in 1916, it was Griffith's answer to the charges of bigotry which were raised against 'The Birth of a Nation' (1915), and which surprised and irritated him. By 1916 Griffith had developed, almost single-handed, the majority of the techniques of the cinema. He was the first to use editing for artistic effect, the first to change the position of the camera within a scene, the first to move the camera closer to the actors. There were some further developments to come after 1916 (the soft-focusing in 'Broken Blossoms,' for instance), but at the making of 'Intolerance' Griffith was a mature and highly sophisticated artist.

'Intolerance' develops in four separate stories related to the central theme: the condemnation of Christ, the fall of Babylon, the night of Saint Bartholomew, and a tale of the twentieth century. Griffith cut back and forth from one story to another so that the common elements are heightened by the parallel development. It has been called "the only film fugue." It was also the first spectacular, the Babylonian story being opulent to a degree never seen before. The modern story is unquestionably the best of the four, a great film in its own right, very typically the work of Griffith in its unforgettable images, in its strong feeling of almost naive simplicity, in its creation of an atmosphere of poetic realism. A film not to be missed, and one which should point the way to the showing of some of Griffith's other works.

'Gigi,' shown on Sunday, April 19 in room 26-100 at 7:00 and 9:30, may not be the equal of Vincente Minnelli's best works ('The Clock,' 'Meet Me In St. Louis'), but it is quite good for these days, the best screen musical since 'Funny Face' (1955). It represents a style different from Minnelli's earlier musicals, in that the story is given central importance, but his pictorial talent remains in strong form, creating some delightful imagery.

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Society makes excellent debut



Photo by Bill Parle

theatrical... The... Sor... Fri... was a... limitation... The... for the... and in... energy... giving... ham... wanted... libbed... G & S... in the... fun... specially... the prin... was a... the pro... could... March... Miller... excel...

'Diest Thou!' the villagers sentence the sorcerer for using a love potion that wrecked several affairs in the Gilbert & Sullivan Society's presentation last Friday.

lent voices to make Kresge echo. And both were inveterate hams. The quality of the secondary voices left something to be desired, mostly in volume during songs with the principals.

"Iolanthe" was better balanced, with both primary and secondary voices at approximately the same decibels.

The best ham in this section was Mayer Wantman, who managed an understandable rendition of "The Nightmare Song." Another singer worthy of mention was Carole Lubin '64, who reportedly left the infirmary for the performance. She kept plenty of volume and had enough presence of mind and nerve to give the chorus cues when they were not sure where to come in.

This brings up the only poor

The schedule

SAXON — 'The Cardinal,' evenings 8:30, matinees Mon.-Fri., 2:00; Sun., 2:00, 5:00.
UPTOWN — 'Sunday in New York' — 'Any Number Can Win,' no times available.
WEST END CINEMA — 'The War of the Buttons,' 11:15, 1:15, 3:15, 5:15, 7:15, 9:15.

Theatres

CHARLES PLAYHOUSE — 'The Glass Menagerie,' by Tennessee Williams; performances Wed. at 8:00, Thurs. and Fri. at 8:30, Sat. at 5:30 and 9:00, Sun. at 3:00 and 7:30.
HOTEL BOSTONIAN PLAYHOUSE — Chekhov's 'A Country Scandal,' evenings, except Sat. and Mon. at 8:30, Sat. at 6:00 and 9:30, mat. Thurs. at 3:00.
LOEB DRAMA CENTER — 'Julius Caesar,' by William Shakespeare, evenings, except Sun. at 8:30.
SHUBERT — 'Luther,' starring John Hefkeson, evenings, except Sun. at 8:30, mat. Thurs. at 2:15, Sat. at 2:30.
WILBUR — 'America,' Be Sented, minstrel show; evenings, 8:30, Mat. Wed. at 2:15, Sat. at 2:30.


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 at 8:30 P.M.
 Matinee on Sunday, April 26
 at 2:30 P.M.
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Making the Scene

S	M	T	W	T	F	S
			15	16	17	18
19	20	21	22	23	24	25
26	27	27	28	29		

THIS WEEK MUSIC
New York Pro Musica—Medieval, Renaissance, and Baroque music, April 18, Jordan Hall, 8:30 p.m.; tickets available at the box office.
Hayden Library Concert—Gregory Tucker, piano, and Eric Rosenblith, violin, music of Bach, Brahms, Stravinsky, Hayden Music Library, April 15, 5:00 p.m., admission free.
MIT Organ Concert—Donald Willing plays Bach, Ducasca, Reger, and others; Wed., April 15, 8:30 p.m., Kresge Auditorium, tickets \$1.50 at the door or Kresge box office. UN 4-6900.
Pension Fund Concert—Boston Symphony Orchestra, Erich Leinsdorf, conductor; Arthur Rubinstein, guest soloist; Beethoven's Piano Concerto No. 4, Rachmaninoff's Rhapsody on a theme of Paganini, short orchestral works; April 19, 8:30 p.m., tickets at the box office.
Gardner Museum—April 18, Brahms Clarinet Trio, Op. 114, 3:00 p.m.; April 19, piano recital, Jeffrey Siegel, Chopin's Sonata No. 3, music of Bach, Ravel, Bartok; 3:00 p.m.; both concerts free.
Boston Symphony Orchestra—Erich Leinsdorf conducting, concerts April 17, 2:00 p.m., April 18, 8:30 p.m.; open rehearsal, April 16, 7:30 p.m.; program: Mozart's G minor Symphony, Strauss' Interludes from 'Die Frau Ohne Schatten,' Stravinsky's 'Firebird' Suite.
Symphony Hall Organ Concert—Robert Town, April 19, 6:00 p.m.; works of Exultate, Bach, Alain, Dupre; all seats \$1.50.
LaSalle String Quartet—New England Life Hall, April 19, 8:30 p.m.; music of Evangelisti, Berg, Webern, Penderecki; tickets \$1.50 for students, call 252-0500.
King's Chapel Concert—Organ recital, Thomas C. Foster; April 17, 8:30 p.m., admission free; music of Bach, Widor.
Charles Anzour—French popular songs; performing at John Hancock Hall, April 19, 8:00 p.m.
THEATRE
'Girl'—Club Latino presents the Lerner and Lowe musical in 26-100, April 19, 7:00 and 9:30, admission 50c (no LSC Classic this week) (Note: room change of LSC movies)
LSC Contemporary Series—The Greatest Show on Earth, Room 26-100, April 17, 6:30 and 9:00; admission 60c.

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THE WAR OF THE BUTTONS IS "A FRENCH COMEDY CLASSIC"
 —Winston, N. Y. Post

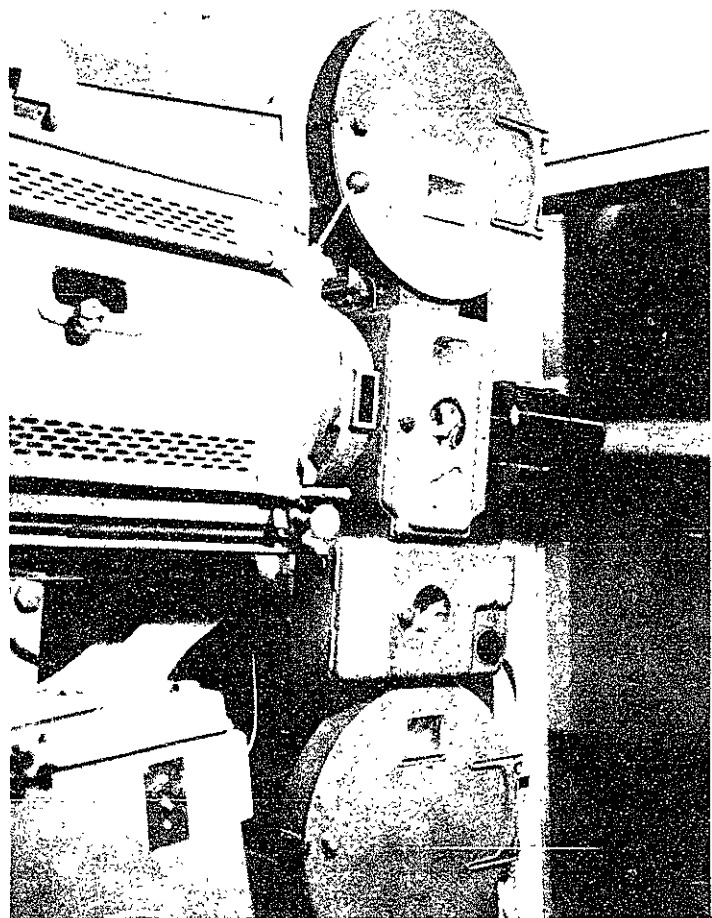
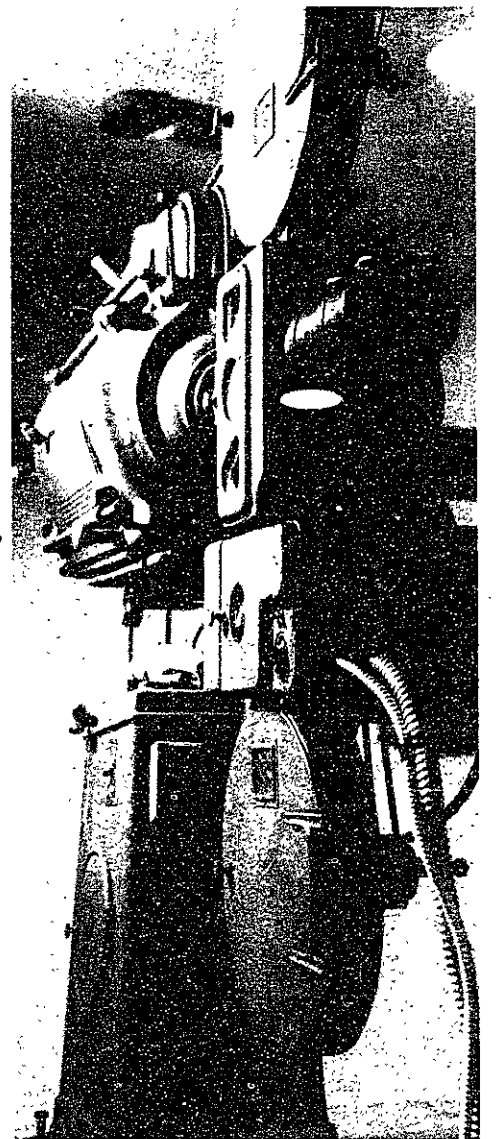
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Contemporary Series:

Apr. 17 Greatest Show on Earth
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Apr. 24 Rififi
May 1 Vertigo
May 8 The Mouse that Roared
(10-250)
May 15 David and Lisa (Kresge)
May 22 West Side Story (Kresge)

Entertainment Series:

Apr. 18 The Birds
Apr. 25 Phaedra
May 2 Sergeants 3
May 9 The List of Adrian Messenger
May 16 Guns of Navarone (Kresge)
May 23 The Manchurian Candidate
(Kresge)
May 27 Free Movie (Kresge)

This Friday: CECIL B. DeMILLE'S

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Mann to lecture tonight on German literature

Dr. Michael Mann, Professor of German Literature at the University of California, Berkeley, will speak informally on "Anti-intellectualism in German Literature" before the Eulenspiegel Verein at 5 pm tonight in the Hayden Library Lounge. Admission is free, and refreshments will be served. Prof. Mann has written two major studies of Heinrich Heine and is now preparing an anthology of Thomas Mann's writings.

Platters' appearance off; Spring Weekend committee searching for replacement

The Platters' 20-minute appearance at Spring Weekend has been cancelled, according to Ron Gilman, chairman of the committee. The hospitalization of one of their members has forced the elimination of the Friday night performance. The committee is trying to arrange for another big-name entertainer. If they are successful, the entertainer will be announced by special bulletin.

3 departments open doors

Geology and Geophysics

The Department of Geology and Geophysics will offer to interested freshmen an opportunity to learn more about its programs at its annual open house Wednesday, April 22, from 4:00 to 5:30 p.m.

The department offers programs in geology, geophysics, meteorology, and oceanography. Because of the many divisions, and the small undergraduate enrollment, the course provides highly individualized programs leading to the degree of bachelor of science in earth sciences.

The course requires that each student fulfill a field experience requirement. This may be done by attending the summer field camp for geologists, or by going on a cruise or working in a laboratory during the summer.

Although they are regarded as descriptive sciences, MIT takes a quantitative approach to the earth sciences. The department is near the front of the field of geophysics with the electronic instrumentation techniques it has developed.

Chemistry

The Department of Chemistry will hold its open house for freshmen and interested sophomores Wednesday, April 22, from 4:00 p.m. to 6:00 p.m. in the Emma Rogers Room, Room 10-340.

The main objective of Course 5 is to provide a general education based on science, both for those who seek a bachelor's degree and a career in chemistry, and for those who wish to go on to graduate study and a professional career in chemistry.

Instruction in the principles of all fields of chemistry is provided along with subjects in mathematics and physics and in the humanities and languages.

Elective time is provided to enable the student to extend his knowledge of fields of special interest. A student who plans to do graduate work will probably take subjects relating to that field, rather than those mainly relating to industry.

The course is a sequence of required subjects, with a choice of restricted electives in three fields of advanced chemistry or additional free elective time. There is also a thesis required in the senior year. The course leads to the degree of bachelor of science in chemistry.

Humanities

The Department of Humanities will give its annual open house tomorrow for Course 21 from 4:30 to 6:00 p.m. in the Hayden Library Lounge, 14E-310.

The Department offers in Course 21 a balanced program of concentration in the humanities with equal work in a science or engineering discipline. This enables the student to gain experience in the humanities field he is interested in and in a science or engineering field.

Course 21 has a large number of elective hours available. These can be used either for a broadening of the program or for additional work in the student's specialty. Only 26 hours in addition to the Institute requirements are specified by the department; the Humanities Senior Seminar and a thesis. The remaining units are taken up by 48 hours of humanities electives, 52 hours of science or engineering electives in one department, and 58 unspecified electives.

In the humanities portion of the program, the student concentrates on one particular humanities discipline of the student's choice: literature, history or philosophy.

The program is designed as preparation for graduate work in law, medicine, business, science, and major fields of the humanities. A bachelor's degree is awarded after four years. An additional bachelor's degree in the science or engineering field may be obtained after one or two terms of additional study.

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6	8,205	13,205
7	9,110	14,110
8	9,905	14,905
9	10,735	15,735
10	11,475	16,475
11	12,215	17,215
12	12,945	17,945
13	13,570	18,570
14	14,125	19,125
15	14,525	19,525
16	14,670	19,670
17	14,530	19,530
18	14,145	19,145
19	13,500	18,500
20	12,705	17,705
Age 60	5,300	10,300
Age 65	3,750	8,750

One-year term insurance is purchased with dividends from Life Paid Up at Age 65 policy and also purchased with the dividends paid on the added one-year term insurance. These figures are not guaranteed, but are based on the 1964 dividend schedule.

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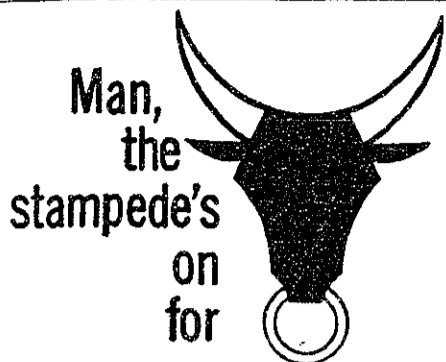


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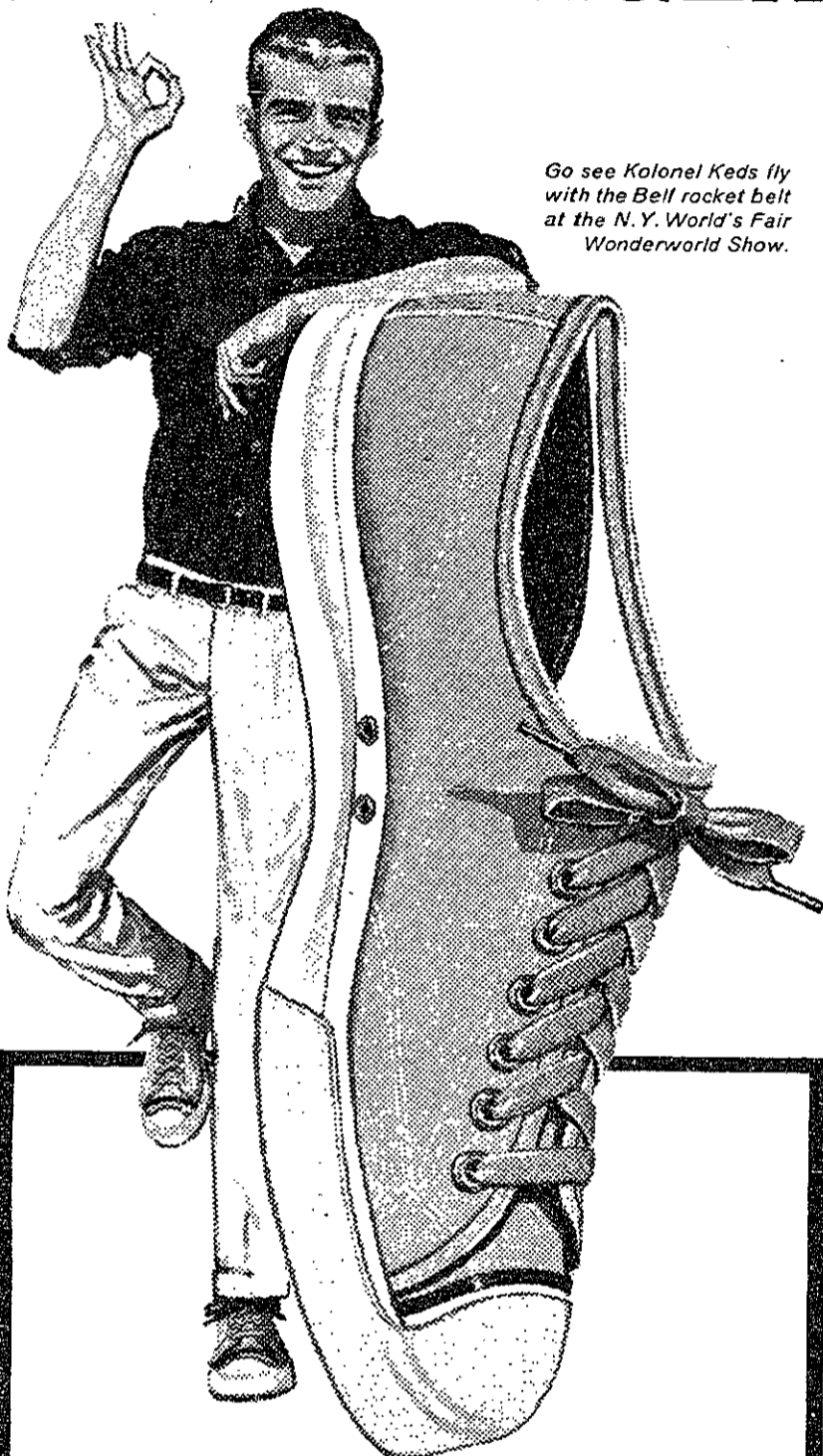
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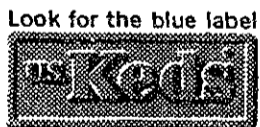
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Lacrosse squad drops two games in second half

By Neal Gillman

The MIT lacrosse team suffered two more defeats this week to Harvard on Wednesday and Holy Cross on Saturday. The losses to Harvard, 12-6, and to Holy Cross, 13-9, bring the team's record to one win and five losses.

The Harvard game, played throughout a rainy, cold afternoon was extremely close until the second half when the team's defense fell apart. In the second half, MIT scored one goal to Harvard's seven. Wayne Matson '64 played an exceptional game, scoring three goals. Captain Bill Dreiss '64, Ron Mandle '65, and Bob Beadsley '64 each scored one goal.

The Holy Cross game was played at Holy Cross in optimum lacrosse weather with clear, sunny skies. Here again the score was reasonably close, MIT 6, Holy Cross 7, until the third quarter when Holy Cross scored three goals to MIT's one. Peter Kirkwood '66 played an outstanding game, scoring four of the nine MIT goals. Bob Wiley '66 was the second high MIT scorer with two goals. Dreiss, Dick Nygren '66 and Dave Driscoll '63 each scored one goal.

Burton A still unbeaten in squash with one week of IM play left

With just one week left to play in the intramural squash season, all four leagues find the teams all pretty much in contention. There is only one undefeated team, Burton A, and few teams that have only one loss. This coming week's play will determine playoff spots in the upcoming tournament.

League standings:

League I	W	L
Grad Economics Assoc.	4	1
Course VI Profs.	4	1
Zeta Beta Tau A	3	1
Phi Gamma Delta	3	2
Delta Upsilon B	3	2
Senior House	1	4
Baker C	0	2
Lambda Chi Alpha A	0	5

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Cronburg top skipper

Sailors cop Dinghy Cup

Terry Cronburg, '66, Don Schwanz, '66, and Dave Scholtsberg, '64, skippered the Tech sailing team to victory over thirteen other top teams, coming from as far away as Purdue University, in the Boston Dinghy Club Challenge Cup racing on the Charles River last weekend.

Cronburg, the team captain, skippered all eleven of the "A" Division races, winning three firsts, three seconds, and four

thirds, to top all other "A" Division skippers. Schwanz skippered the six "B" Division races held on Saturday but was replaced at the helm by Dave Scholtsberg for the first three of five races on Sunday because of light winds. Schwanz pulled in two first and two second place ratings, while Scholtsberg took one first and one second.

Joe Smullin, '66, did all the crewing for Cronburg.

Intramural table tennis season nears playoffs; Double elimination tournament begins April 27

by Dick Minnick

The intramural table tennis season is more than half completed. This week is the final week of the regular season's matches. Teams qualifying during the season will compete in the post-season final playoffs to determine position and Intramural Point distribution. The finals will begin the week of April 27th and will be a double-elimination tournament.

STANDINGS MAJOR DIVISION

League I	W	L
Burton "A"	3	0
Bexley Hall "A"	1	1

Phi Delta Theta	0	1
Baker "D"	0	2
Senior House "B"	0	2

League II	W	L
Burton "B"	2	0
Chinese Students "A"	2	0
Sigma Phi Epsilon	1	1
Baker Ball Eusters	1	2
Bexley Hall "B"	0	3

League III	W	L
Burton "C"	2	0
Baker "B"	2	0
Senior House "A"	1	1
Sigma Alpha Mu	0	1
East Campus "A"	0	3

League IV	W	L
Alpha Epsilon Pi "A"	2	0
Baker "A"	2	1
Graduate House	1	1
Phi Kappa Theta	0	1
East Campus "B"	0	2

MINOR DIVISION

League V	W	L
Alpha Epsilon Pi "B"	2	0
Tau Epsilon Phi "A"	2	0
Burton "D"	1	1
Delta Kappa Epsilon	0	1
Off Campus Group	0	3

League VI	W	L
Chinese Students "B"	2	1
Tau Epsilon Phi "B"	1	1
Baker "E"	0	1
Delta Upsilon	0	2
Phi Mu Delta	0	2

League VII	W	L
Alpha Epsilon Pi "C"	1	0
Alpha Tau Omega	1	0
Walker Student Staff	0	2
Sigma Chi	0	2
Kappa Sigma	0	2

League VIII	W	L
Club Latino	2	1
Theta Chi	1	1
Lambda Chi Alpha	1	1
Zeta Beta Tau	0	1
Phi Sigma Kappa	0	2

League II	W	L
Burton A	3	0
Lambda Chi Alpha B	3	1
Theta Chi	4	2
Grad House	4	2
Chi Phi	4	2
Phi Beta Epsilon	1	4
East Campus	1	4
Baker 06	0	4

League III	W	L
Electrical Engineering	4	1
Theta Delta Chi	4	1
Alpha Tau Omega	3	1
Delta Kappa Epsilon	2	2
Baker A	2	2
Burton B	1	2
Sigma Alpha Epsilon	0	4
Sigma Phi Epsilon A	0	4

League IV	W	L
Lambda Chi Alpha V	4	1
Sigma Alpha Mu	3	1
Burton C	2	1
Zeta Beta Tau B	3	2
NRSA	1	3
Baker B	1	4
Sigma Phi Epsilon B	0	2

Intramural softball season gets under way; 49 teams start battling for top spots

Intramural softball started its season last Saturday with eleven games being played. This year 49 teams have entered play. Regular season league winners should be determined by May 17, and playoffs will be held the next week. Games are being played every weekend except this coming weekend when games will be played on Monday due to Spring Weekend.

The need for competent umpires is pressing. Umpires may sign up for the next week's games at the equipment desk in duPont. Umpires are being paid \$2.50 per game this year.

Last Saturday's scores:
East Campus A 7, Zeta Beta Tau A 6
Alpha Tau Omega 20, Baker B 19
Grad House 12, Chi Phi 11
AEP 11, Lambda Chi Alpha 7
Theta Chi 18, East Campus 6
Paradise Cafe 5, Sigma Alpha Mu 0
Grad Economic 16, Phi Kappa Sigma 5
Phi Kappa Theta 18, NRSA 10
Grad Management 13, Burton A 11
NRSA A 19, Sigma Nu 11
Phi Mu Delta 23, Zeta Beta Tau B 5

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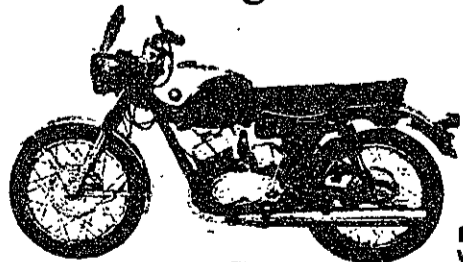
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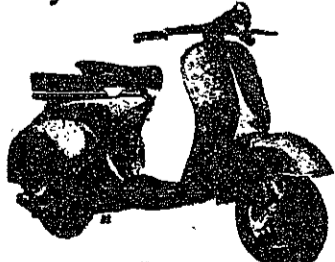
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Heavies take BU by 4 lengths

By C. R. Miller

The MIT varsity and JV heavy-weight crews had no trouble defeating the Terriers from Boston University in the first race of the season. The varsity race was held on the 2000 meter course under favorable racing conditions. A slight cross wind was all that kept the conditions from being perfect.

Varsity takes early lead

The crews were even for about the first fifteen strokes after the start of the race, but this condition didn't prevail for long. The Engineers, after settling from their starting pace of 43 strokes per minute to a racing stroke of 31, began to pound away at the opposition. Just short of the 1500 meter mark, Tech had a 3/4-length lead over BU, with the Terriers still rowing at 35 strokes per minute.

The Engineers continued to lengthen their lead for the rest of the race and at one point, they settled to a 30. BU never stroked less than 33 during the entire race. With 500 meters to go, Tech took the stroke up to 34 and sprinted the last 150 meters at 43 strokes per minute to finish 4 lengths in front of the Terriers, with a wire time of 6:32.

JV beats BU by 5 lengths

The JV heavyweights, as the

meter course. The engineers started well and pulled away from BU by a few seats. Tech settled to 31 strokes per minute as BU continued to row a higher stroke of about 33.

By the 1000 meter mark, MIT had a two-length lead and was surging strongly forward for

more. With 15 strokes to go in varsity, had no trouble handling their opposition over the 2000 the race, the engineers, who were now more than 4 lengths in front, put the frosting on the cake with a 15-stroke sprint. Tech's time for the course was 6:34; BU's time was 6:54.

Baseball team drops two; loses 3-2 to BC in 11th

By John Schwarz

The Tech varsity nine suffered two defeats this past week, dropping an eleven-inning 3-2 heart-breaker to Boston College April 7 and an 11-2 decision to Wesleyan April 11, sending the season record thus far reeling to one win and four losses.

Calof huris good game

The Boston College game, played at MIT although B.C. was officially the home team, was a real thriller right to the wire. Tech hurler Larry Calof '66 pitched exceptionally well and the game remained scoreless until the sixth inning when a home run and two errors followed by a single gave B.C. a 2-0 lead. With its back to the wall in the top of the

ninth Tech put runners on first and second, and Calof's grounder to third was booted to load the bases. Catcher Denny Hinrichs '64 now delivered a clutch single driving in two big runs and sending the game into extra innings. The pitcher's battle continued until the bottom of the eleventh when Calof made one of his deliveries a little too juicy and a high fly ball aided by the stiff breeze dropped over the left field barrier for the winning home run. The loss was especially tough for Calof, who fanned eleven, walked four, and scattered just five hits.

Wesleyan hitters score soon

The drubbing at Wesleyan Saturday was a case of being simply overpowered. Wesleyan's hitters were as good as any faced by Tech pitching this season, and MIT starter Jack Mazola '66 did not quite have his usual good stuff. The opposition jumped on Mazola for five quick runs in the first two innings and led by nine before Tech was finally able to break the scoring ice with a run in the top of the sixth.

Both teams were guilty of poor fielding, MIT committing seven errors and Wesleyan four. Jeff Hopkins and Vince McCord ably handled the pitching chores for Wesleyan, scattering seven Tech hits two each by Mazola, captain Don Alusic '64, and leftfielder Bill Graham '64, and one by third baseman Dave Dunford '64. Dunford and rightfielder Dave Vahey '66 each collected one RBI.

For Wesleyan, Hopkins struck out four and walked none, while McCord fanned two and walked three. Mazola registered five strike-outs and five walks, and Rick Gander '65 finished up for Tech by striking out one man and walking two.

MIT	000	000	002	00-2
Boston C.	000	002	000	01-3
				R H E
MIT	000	001	010	2 7 7
Wesleyan	230	202	20x	11 9 4

Tennis record now 4-3

Racquetmen split pair

The varsity tennis team split their matches in last week's action to bring their record to 4-3. In a match on the Tech courts last Wednesday, the team lost to Harvard in a shortened match 5-0. Down at Brown on Thursday, however, the squad beat Brown by a 6-3 count.

The Harvard match was played during a steady rain which caused the shortening of the match. Harvard took the first five singles matches, enough to win the match, which normally consists of six singles and three doubles.

The team went back above the .500 mark again at Brown the next day by a 6-3 score. The match was split 3-3 after the singles, but Tech came on strong to take all three doubles. The win-

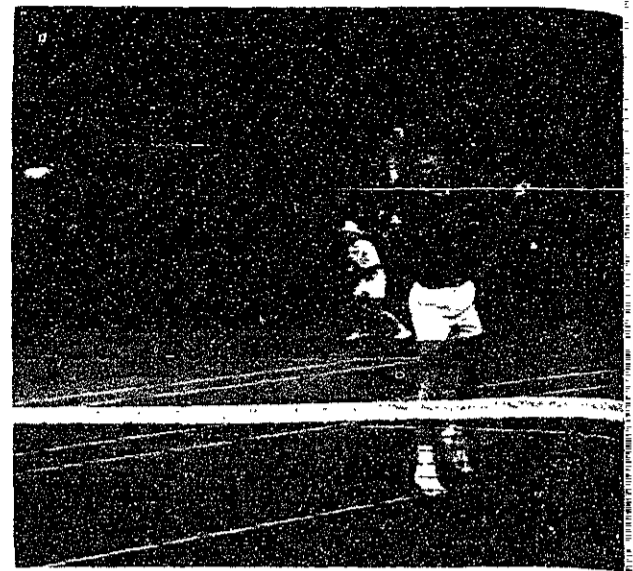


Photo by Stephen Teicher
Captain Jack Moter '64 returns against his Harvard opponent in a match played Wednesday. Harvard won the match over MIT by a 5-0 score.

ning doubles squads included: Giovanni Franzini '64 and Jack Moter '64, first doubles; Bill Petrick '66 and Bob Blumberg '64, second; and Dick Thurber '66 and Marty Ormond '64, third doubles.

The singles wins against Brown were taken by Captain Moter, Ormond, and Petrick. The squad goes against Navy this Friday.

Frosh Sports

Tennis team wins 5 1/2-3 1/2

The tennis team played Brown & Nichols School and won 5 1/2-3 1/2 last Wednesday. The Friday match with Brown was cancelled.

Tech won 4 singles matches and 1 1/2 doubles. From first to sixth, Eric Coe lost, Dick Sails, John St. Peter and Mike Gelberg won, Dick Nielsen lost, and Rick Heldt won.

First doubles, Coe and Bails lost, while second doubles, Gelberg and St. Peter won, and the last doubles match was called because of darkness.

Crew

Three boats of Tech heavies traveled to Phillips Andover last Wednesday. The Engineers split the races, winning one and losing one.

Tech's first and second boats raced Andover's first boat in the first race. Tech lost by about 1 foot. Tech's third boat raced Andover's second and won by 2 lengths.

The BU freshman heavy crew, an excellent boat with unusually fine rowing ability for a frosh crew, proved to be more than the Engineers had bargained for. The first and second frosh races were both held on the one and three quarter mile course under good conditions. In the first frosh event, BU, rowing the race at 31, continued to pull away from the Engineers for the entire race. At the finish line, the Terrier frosh had a four length lead, and a time of 9:10. The second frosh also lost, as BU finished 3 3/2 lengths ahead in a time of 9:34. The freshman lightweights, who rowed one mile against Tabor Academy last Saturday, beat Ta-

bor by ten seconds with a winning time of 5:50.

Baseball

The baseball team was host to Middlesex School last Saturday afternoon. Several Tech errors, responsible for 4 unearned runs, led to their loss of season's opener. The score was 7-0.

Rick Pappenhausen went the first seven innings and Paul Hoxie finished the game. Tech's pitchers struck out 10, walked 6, and allowed 6 hits. Middlesex struck out 13 and allowed 4 hits. Tech hit one double, but couldn't score.

Several men played in search of a starting lineup for the remainder of the season.

Lacrosse

The lacrosse team traveled to Cambridge School for the first game of the season last Wednesday. When they arrived, they discovered the game had been cancelled two months previous.

They played at Governor Dummer Academy and lost 8-2 Saturday. Dummer, known for an excellent lacrosse team, whipped last year's freshmen 16-1. The Engineers were pleased with their showing after tying the score at 1-1. The Tech defense then fell apart and the half ended at 4-1.

Much of the trouble was ball control, which should be improved greatly by a little experience. Bill Elmer scored in the first quarter and Gary Greathouse in the last.

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Swim Club to sponsor Aqua Capers to raise money for Olympic Fund

The MIT Swim Club will present Aqua Capers-'64, an evening of unexcelled aquatic entertainment, on Friday, April 24, at the Alumni Pool. The purpose of Aqua Capers-'64 is to raise money for the United States Olympic Fund. The U.S. Olympic Team is financed almost exclusively by voluntary donations, through events such as this and individual donations: the funds become available to field a complete array of teams.

Comedy divers to perform

Two shows of Aqua Capers-'64 will be presented, the first at 6:30 and the second at 8:30. Aqua Capers-'64 will deliver a panorama of aquatic talents and will feature an assortment of clown diving acts performed by the foremost comedy groups in the country, Kimball and Billingsley, Edwards and Goodhead, and Vic Zoble.

Richard Kimball and Hobie Billingsley are the diving coaches at Michigan and Indiana Universities. They have appeared throughout the world with their act, which combines fancy diving, clown diving, tower diving, trampoline, and water ballet.

Vic Zoble, known as "Mr. Aqua-show" for the versatility of his performance, is swimming director at the Sea View Hotel in Miami Beach. John Edwards and James Goodhead, of Seattle World's Fair fame, have traveled widely, and Edwards won the na-

tional clown diving championship at Cyprus Gardens, Florida.

Show features top swimmers

The NCAA second-place medley relay team from Yale of Steve Clark, Roger Goettche, Dale Keiffer, and Mike Austin will also appear to put on a part of the show.

As individuals, the men performed as follows: Steve Clark the NCAA records at 50, 100, and 200 yd. freestyle, is NCAA champion at 100 and 200 yd. freestyle, and is AAU champion and national-record holder at 100 yd. freestyle.

Dale Keiffer finished second in the NCAA 200-yd. breaststroke. Backstroker Roger Goettche also placed in the NCAA at 100 and 200 yds. Mike Austin is NCAA 50 yd. freestyle champion and anchored the NCAA champion and record-breaking 400 yd. freestyle relay.

Tickets for the 6:30 show are \$1.50 and \$2.00 for the 8:30 show. They will go on sale Monday, April 13, in the lobby of Building 10. An official Olympic Fund pin will be given with each ticket donation or with separate donations.

All Sports Week

Date	Sport	Opponent	Time (pm)
Friday, April 17 (Beginning of Spring Weekend)	Tennis (V)	Navy	3:00
	Tennis (F)	Harvard	3:00
Saturday, April 18	Track (V&F)	Tufts	12:30
	Baseball (V)	W.P.I.	1:00
	(Double Header)		
	Baseball (F)	New Prep	2:00
	Lacrosse (F)	Harvard	2:00
Monday, April 20	Sailing (V)	Oberg Trophy on the Charles	
Tuesday, April 21	Baseball (F)	Tufts	3:00
	Tennis (F)	Dean Jr. Coll.	3:00
Wednesday, April 22	Baseball (V)	Harvard	2:30
	Lacrosse (V)	Massachusetts	3:00
	Lacrosse (F)	Phillips Andover	3:00
Thursday, April 23	Tennis (V)	Bowdoin	3:00
Friday, April 24 (Beginning of Parent's Weekend)	Tennis (V)	Colby	3:00
	Also—Aquacapers		6:30 & 8:30
Saturday, April 25	Heavyweight Crew	Yale	
	Lightweight Crew	Dartmouth, Harvard (Biglin Cup)	
	Track (V&F)	Williams	12:30
	Tennis (V&F)	Wesleyan	2:00

As you can see, the All-Sports Week from April 17 to 26 is crammed with home games and meets. We are meeting some pretty strong opponents and our teams will need lots of support. In particular, if your parents are going to be here for Parent's Weekend, be sure and bring them to some of the events. And don't forget the Aquacapers, undoubtedly one of the finest water shows ever put on anywhere.

How They Did

Baseball

Boston College 3—MIT (V) 2
Wesleyan 11—MIT (V) 2
Middlesex School 7—MIT (F) 0

Heavyweight Crew

MIT (V) 6:32—Boston U. 6:46
MIT (JV) 6:34—Boston U. 6:54
Phillips Andover 9:10—MIT (F) 9:20
Boston U. 9:10—MIT (F) 9:25

Lightweight Crew

MIT (F) 5:50—Tabor Academy 6:00

Lacrosse

Holy Cross 13—MIT (V) 9
Harvard 12—MIT (V) 6
Governor Dummer 8—MIT (F) 2

Sailing

MIT (V) 1st in Boston Dinghy Club Challenge Cup

Tennis

Harvard 5—MIT (V) 0
MIT (V) 6—Brown 3
MIT (F) 5 1/2—Brown & Nichols 3 1/2

On Deck

Today, Wednesday, April 15

Baseball (V)—Bowdoin, Home, 3:00 pm
Baseball (F)—Milton Academy, Away, 3:00 pm
Tennis (F)—Governor Dummer Academy, Home, 2:30 pm
Track (F)—Governor Dummer Academy, Away, 2:30 pm

Thursday, April 16

Golf (V)—Williams, Trinity, Away, 2:00 pm
Lacrosse (F)—Dean Junior College, Away, 3:00 pm

Friday, April 17

Tennis (V)—Navy, Home, 3:00 pm
Tennis (F)—Harvard, Home, 3:00 pm

(See All-Sports Week)