

Elections also held

IFC contributes \$2500 to Back Bay Corporation

Efforts toward a coordinated plan for the redevelopment of the Back Bay received a boost last Thursday when \$2,500 was raised by MIT fraternities was presented to the Back Bay Planning and Development Corporation.

A check for this amount was presented following a dinner meeting of the IFC by Chairman Kevin Kinsella '67. It was accepted on behalf of the Back Bay Corporation by James G. Roberts, president, and Daniel J. Ahern, executive director.

The fund raising was initiated by the members of the IFC "in connection with our efforts to assume an active and responsible role as members and residents of the Back Bay community," according to Kinsella.

Funds for non-profit group
The Back Bay Planning and Development Corporation is a non-profit organization formed by civic groups in the area to develop coordinated plans for the Back Bay area. The program is financed through private subscription to this Corporation, which is acting in cooperation with the Back Bay Redevelopment Authority.

Statistics for 1965-66 released in last report of ex-Pres. Stratton

Statistics for the year 1965-1966 were released in ex-President Julius A. Stratton's report to the Corporation for the year ending last June 30. The report was recently made available to all those connected with MIT.

Registration increased
The student enrollment in 1965-1966 was 7,408, an increase of 257 from the previous year. The total was made up of 3,755 undergraduates and 3,653 graduate students. Degrees awarded by the Institute in 1965-1966 included 829 Bachelor's degrees, 845 Master's degrees, 126 Engineer degrees, and 360 doctoral degrees, a total of 2,160.

Graduate students who entered MIT last year held degrees from 304 colleges and universities, 175 American and 129 foreign. The foreign student population was 951, or about 13 per cent of the total enrollment, and represented 72 different countries.

More student aid offered
This past year, 1,969 undergraduates, more than half of those enrolled, received \$1,730,722 in scholarship aid and \$1,389,339 in loans — an increase in the total of 14 per cent over the year before.

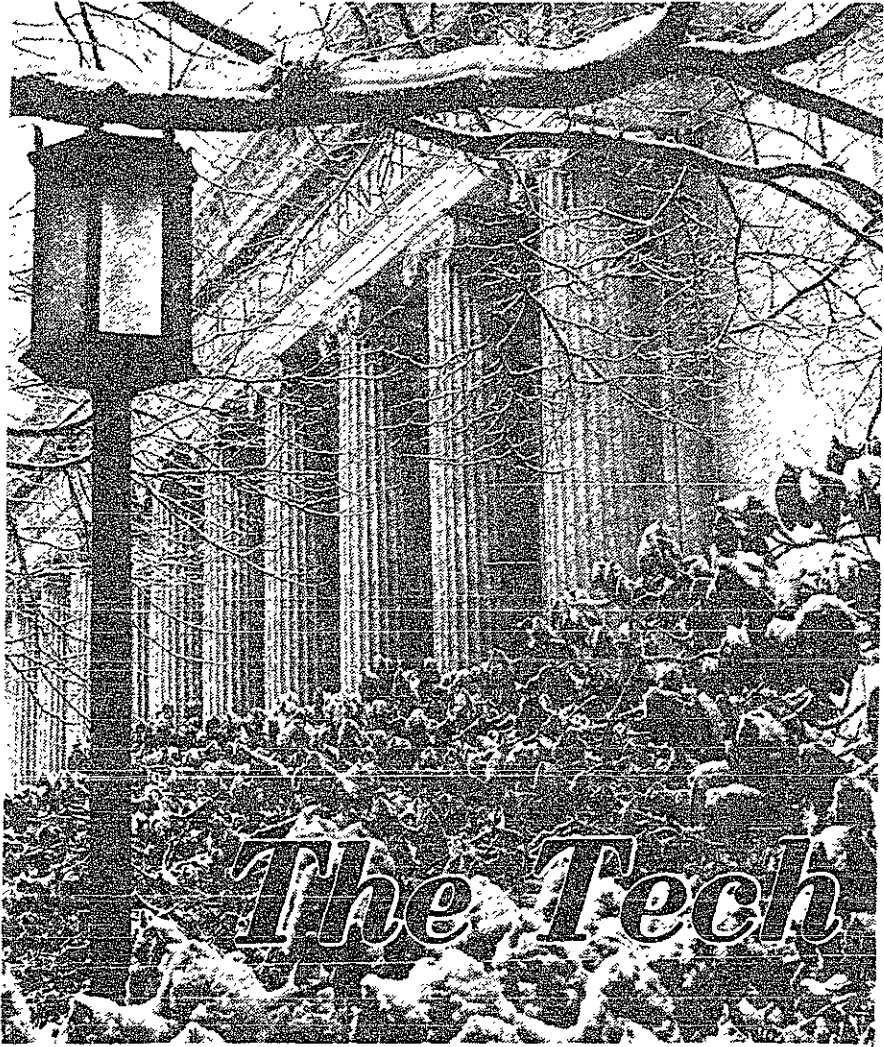
The scholarship assistance granted included \$843,405 from MIT's endowment fund. The fund was increased by \$1,978,500 during the year. Total endowment now stands at \$14,465,176, a 15.8 per cent increase over 1964-1965.

Aid to grad students
To graduate students the Institute awarded \$2,285,525 in fellowships, traineeships and scholarships; \$676,442 in staff tuition grants; \$5,573,422 in staff salaries, and 457,872 in loans.

Gifts, grants and bequests to MIT from private donors totaled \$40,740,000 during fiscal 1965-1966, as compared to \$23,451,000 the previous year. Major factors contributing to the high gift income figure were the distribution from the estate of Alfred P. Sloan, Jr. '95, and the payment in full of the large Ford Foundation grant to strengthen and expand the Institute's activities in international fields. These benefactions together accounted for slightly more than half of the total gift income for the year.

In the past, nearly 200 fraternity men from MIT organized and carried out a cleanup campaign in the Back Bay area. MIT students have also taken an active interest in the Neighborhood Association of the Back Bay.

Elections held
After the presentation of the check, elections of officers for the IFC for the coming year were held. Tom Neal '68 (PDT) was elected Chairman; Bob McCrory '68 (KS), Vice-chairman; Dave Matheson '69 (SN), Treasurer; and Steve Reimers '68 (SAE) Purchasing Manager.



Vol. 87, No. 3 Cambridge, Mass., Tuesday, Feb. 14, 1967 5c

Intercollegiate newspaper publishes premier issue

The Collegiate Cauldron, organ of the Boston Intercollegiate Council formed last November, published its first issue Thursday. Its avowed purpose is to provide a unified medium for communication and the dispersal of information among the 150,000 college students in the Boston area. It also proposes to serve as a sounding board for student views and issues.

It purports to be a non-political, non-partisan publication, capable of presenting a more comprehensive picture of student life than campus newspapers, yet a less detached view than professional metropolitan journals. Its articles will deal with "all facets of student activity."

The MIT representative is Steven Carhart '70.

Wiesner views disarmament plans



Dr. Jerome B. Wiesner

(This article is the first of three in a series about the thoughts of Dr. Jerome B. Wiesner, Provost, on the subject of disarmament.)

By John Foran

An effective system of world disarmament is possible, according to Dr. Jerome B. Wiesner. Dr. Wiesner, who has been science adviser to Presidents Eisenhower, Kennedy, and Johnson, wrote recently in an article for the Associated Press that he is "convinced that it is completely

feasible to design a safe and practical plan to limit and control the arms race."

Although Dr. Wiesner believes that there is still time to do something about a trend that has in the past always resulted in war, he feels that there are certain psychological barriers standing in the way. Six of them are as follows:

- "Most people, both in and out of government, look on disarmament as a Utopian dream. If everyone believes the arms race is impossible to control, that very fear will make it impossible.

No pressure for peace

- "There is no effective constituency for peace in our own Congress or the councils of other governments. Military interests, veterans' organizations, and weapons producers all have their large constituencies and powerful lobbies.

- "Many people who do advocate disarmament demand that it be total disarmament, all at once. But the only way we will get universal disarmament in one giant

Vietnam teach-in draws 350

By Jim Smith

A Vietnam teach-in, sponsored by the MIT Committee to End the War in Vietnam, was held Thursday evening in 54-100. An overflow crowd of about 350 attended and heard Prof. Noam Chomsky of the Department of Linguistics, Prof. Howard Zinn of Boston University, Mary Alice Waters of the Young Socialist Alliance, Prof. Louis Kampf of the Department of Humanities, and Pat Griffith, a recent visitor to North Vietnam.

War's fundamental issue
Prof. Chomsky, the opening speaker began by naming the fundamental issue of the war — a conflict between a local and an international solution to the situation. He emphasized that the US

alone insisted on the latter alternative, which implies unilateral exertion of full power until surrender. By any other power, our actions would be called genocide, he stated.

The National Liberation Front of Viet Cong was initially a popular group; two years ago, when the greatest escalation began, only 400 Northern troops were in the south. Now, there are 40,000. "We have destroyed," said Prof. Chomsky, "one of the more hopeful popular revolutions in the under-developed world."

He referred to our "incredible sequence of lies that is unprece-

dent in American history" and which is now "so familiar that it is no longer shocking."

He insisted that there is no place for absolutist philosophies in this age of mass destruction. "It is fortunate," he said, "that this lunacy was restricted to only one side of the Atlantic in 1962," referring to Khrushchev's withdrawal from Cuba.

Prof. Zinn, author of a book on the war, spoke next on the "logic of withdrawal."

"One measure of the badness of the war and our conduct," began the professor, "is its meeting of (Please turn to Page 7)

Faculty spotlight

H. L. Teuber, 9.00 lecturer, conducts neural studies

By Dave Kaye

Course descriptions are often misleading, and the course labeled "Introductory Psychology" might better be named "An Introduction to Hans-Lucas Teuber," for the semi-weekly lectures given by the chairman of MIT's Department of Psychology are as much an expression of his own personality, interests and attitudes as they are a "survey of selected facts, principles, and theories in psychology."

Brain research

For more than twenty years Dr. Teuber has been investigating cases of brain injury as a means of determining the neural bases of normal behavior. Concerned with such questions as how we perceive a vertical line as vertical, the ultimate aim of his research is "the eventual coalescence of neurology and psychology." Toward that end he is engaged in follow-up studies of about 700 cases of brain injuries and is presently particularly interested in examining the effects of injuries incurred early in life as opposed to those acquired in adult years.

For his work, Dr. Teuber was chosen last year to receive the Karl Spencer Lashley Award for Research in Neurobiology.

As an undergraduate, Dr. Teuber studied in Berlin and Switzerland, and received his Ph.D. in psychology from Harvard University. Before coming to MIT in 1960, he served as head of the Psycho-physiological Laboratory of New York University-Bellevue Medical Center. In addition, he has served as a consultant to the



Dr. Hans-Lucas Teuber

US Army Surgeon General, the US Air Force, United Cerebral Palsy, the Veterans Administration, and NASA; and is currently consulting editor of the Journal of Comparative and Physiological Psychology, Co-editor of Experimental Brain Research, and editor of Neuro-psychologia (International Journal of Neuro-psychology).

Professor and department head

Yet to speak of Hans-Lucas Teuber solely in connection with his research would do him an injustice, for Dr. Teuber is inextricably involved in the psychology department — both as professor and department head. In the European tradition, he regards teaching the introductory psychology course (9.00) as a personal responsibility and is also quite active in the presentation of the graduate-Pro-seminar in Psychology (9.001 and 9.002).

Furthermore, a realization of Professor Teuber's role in the department is critical to an understanding of his activities. Upon becoming affiliated with MIT six years ago, Dr. Teuber served as head of the psychology section of the Department of Economics and Social Science. When that group achieved its own departmental status in 1964, Professor Teuber became chairman of the Psychology Department. In evaluating what Professor Teuber calls the "explosive growth" of the department, it appears that such progress has been guided, nurtured, and directed by Dr. Teuber himself. For example, (Please turn to Page 5)

Orders for class rings to be taken for Sophs in Building 10 this week

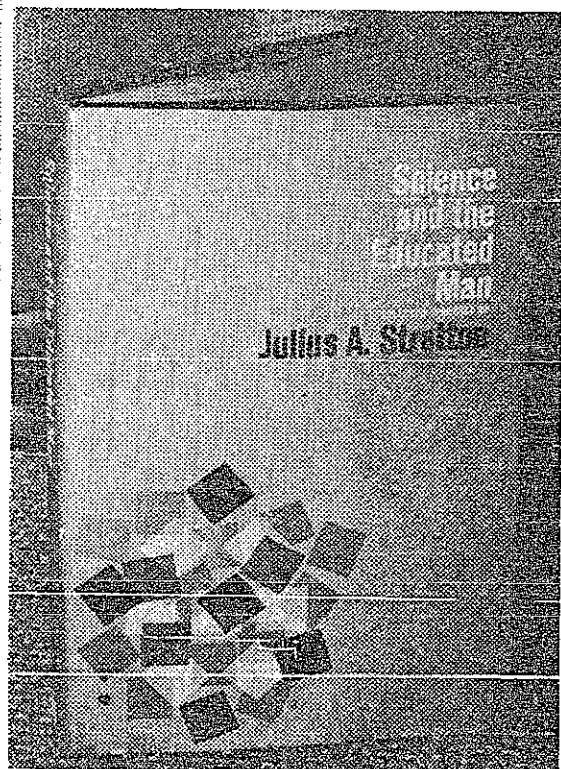
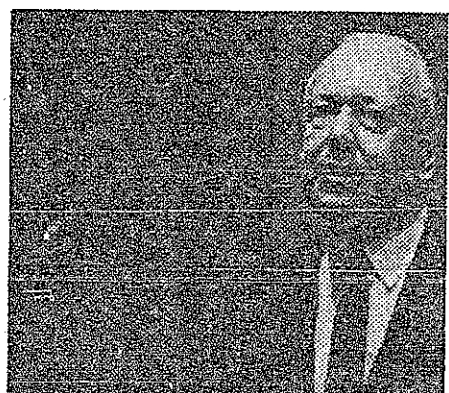
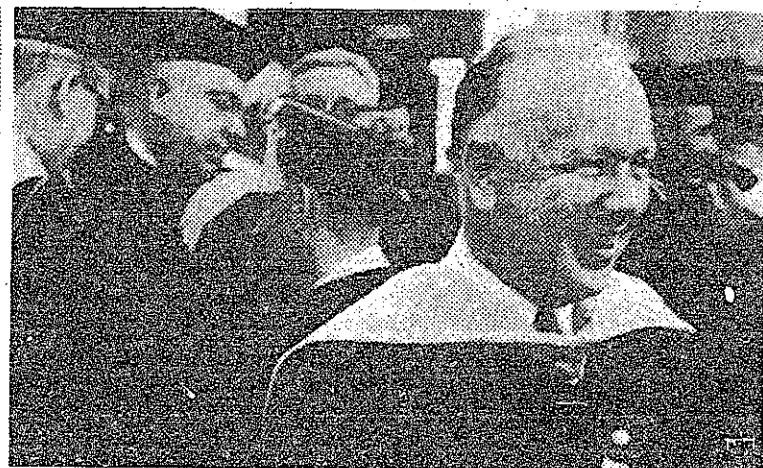
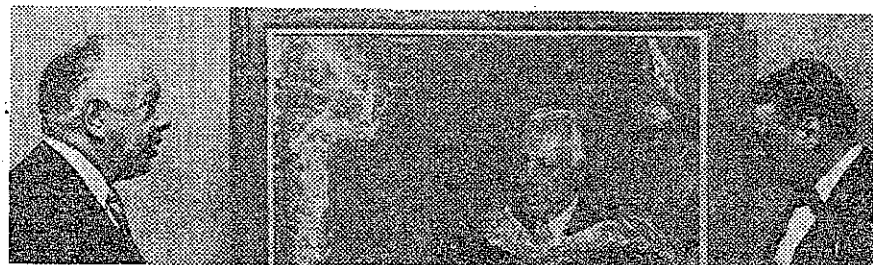
Representatives from Dieges & Clust will be at the Institute beginning this Wednesday through Friday to take orders for class rings. Members of the class of 1969 may place their orders between 9:30 am and 4:30 pm on these days in Building 10. Those of upperclassmen and graduate students will be accepted on Friday only. A five dollar deposit will be required.

Any further questions will be answered by Stan Goldin, Baker House, di8-407.

(Please turn to page 6)

STRATTON

THE TECH



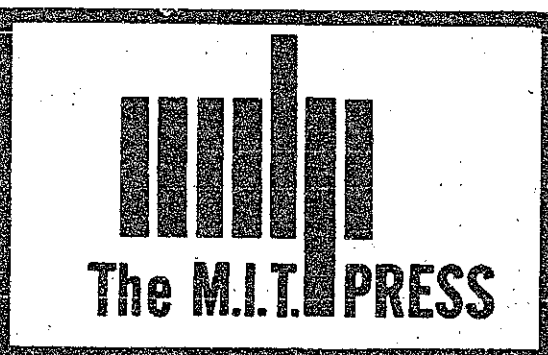
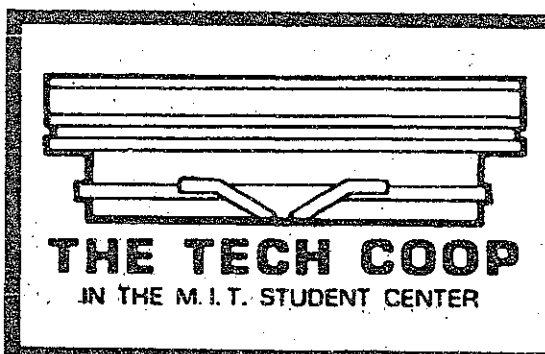
"Again and again, as the years went by, I came to the point of . . . shaking off the ties to this campus . . . But each time some strange compulsive force . . . drew me back and held me here."

Dr. Julius Stratton — an excerpt from his new book "Science and the Educated Man."

Julius A. Stratton, Chairman of the Board of Trustees of the Ford Foundation and former President of M.I.T., has just had his new book published by the M.I.T. Press.

"Science and the Educated Man," a collection of addresses delivered by Dr. Stratton to administrators, educators, scientists and students, contains many valuable ideas for improving the relationship between scientists and others. "We must allow no gulf to grow between scientists and the great body of educated people," he warns.

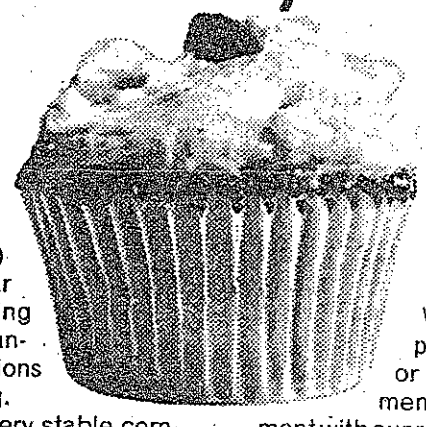
"Science and the Educated Man" is important and thoroughly worthwhile reading for anyone interested in the relationship between science and the liberal arts. Pick up a copy soon at the Coop.



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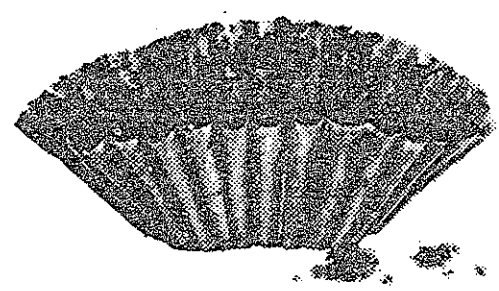
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wants to be right in the thick of things... who doesn't think it's old hat to work your way to the top. We cordially invite you to find your place in the Sun, in a permanent or summer position. Visit your placement office now to schedule an appointment with our representative on campus. If you can't meet us on campus, we'll send you employment information. Just drop a note to: Personnel & College Relations, Dept. H, Sun Oil Co., 1608 Walnut St., Phila., Pa. 19103. **Sun Oil Company**
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and eat it, too.



We'll be on campus
Thursday, February 23

VooDoo demonstrates use of 5.01 non-returnable kit

To promote the sales of its Mixed-Nuts issue, the VooDoo staff conducted its monthly stunt Friday in the Lobby of Building 10. Staff members Harold Fed-erow '70, Walt Kuleck '67, and Wesley "Weasel" Moore '67 gave a demonstration of the uses of a 5.01 non-returnable kit.

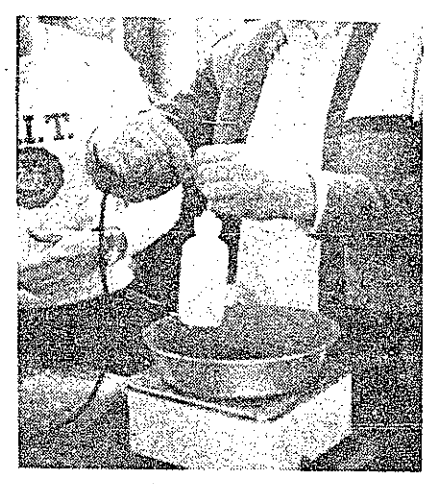


Photo by Dale Stone

They showed that the over-abundance of paper in the kits can be transformed into a screen door or used to cut commons rolls.

The plastic bottle can be fastened to some rubber tubing and, with the addition of an illegal hot plate and some ice, will make a very adequate still. The same plastic bottle can be attached to some glass tubing by a rubber hose to make a handy projectile launcher.

To culminate this spectacular show of exhibits, the staffers presented a lamp, which had been built from a liter bottle with a little Tech engineering, and a

The deft hands of Walt Kuleck re-assemble a still constructed from a 5.01 non-returnable kit.

lampshade made from more paper from the 5.01 kit.

It was announced following the demonstration, the staffers announced that the Voodoo Inverse Coin Contest is being postponed.

All Makes — Large Variety
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(Opp. Lowell House)
TR 6-5417

Weiss honored for lab equipment

Professor Ranier Weiss, of the MIT Center for Teaching and Learning, received an honorable mention for his demonstration equipment displayed at the American Association of Physics Teachers Apparatus Competition.

The competition, the fifth in a biennial series, was used to introduce new apparatus for undergraduate college physics laboratories and lecture demonstrations. In all, thirty-three colleges, universities, and research laboratories were represented.

The apparatus was exhibited and judged at the joint annual meeting of the American Physical Society and the AAPT in New York.



On Campus Interviews for Professional Career Programs March 1, 2

RCA is now undergoing the greatest expansion of its history, based on a wide diversification of products and services. This has opened up opportunities for BS, AB and Advanced Degree candidates in the following programs:

COMPUTER MARKETING requires individuals with good academic standing and a degree in engineering, science, mathematics, liberal arts, or business administration, with an interest in computer systems and sales.

ENGINEERING for the engineer or scientist interested in research, development, design, manufacturing engineering, purchasing or materials management. There are two possible avenues for the individual chosen: *Engineering*

Rotational Program will help you decide in which directions your career aptitudes lie. *Direct Assignment* for the person who knows his chosen field of interest.

FINANCIAL for the graduate with an interest in financial management and the applications of the computer in the field of finance.

MANAGEMENT INFORMATION SYSTEMS requires individuals in engineering, science, mathematics with an interest in systems design and programming applications in the broad financial areas of RCA's businesses.

See your placement officer now to arrange an interview with an RCA representative.

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Our representative
will be on campus

FEB. 27, 28

to interview undergraduate and graduate candidates for Bethlehem's '67 Loop Course — our highly regarded management training program

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DEGREES required are mechanical, metallurgical, electrical, chemical, industrial, civil, mining, and other engineering specialties; also chemistry, physics, mathematics, business administration, accounting and liberal arts.

If you would like to discuss your career interest with a Bethlehem representative, see your placement officer to arrange for an interview appointment.

An Equal Opportunity
Employer in the Plans for
Progress Program

**BETHLEHEM
STEEL**

Of goals and purpose

In his last Report of the President, former President Julius Stratton decided to dwell at some length on a "reaffirmation of goals and purpose—a restatement of an institutional philosophy to guide us in the world of today." His report gives each of us, faculty and student, a chance to step back a bit and review that which may be obscured by the complexity of day to day operation.

All the many problems confronting the university, MIT, and society in general require that we "make radical adjustments to technological change, while maintaining clarity of function and purpose." We, here, quote liberally from the report to emphasize one aspect of MIT's purpose.

President Stratton reasserts from his inaugural address "that everything that we do, whether for the advancement of knowledge or in the interest of public service, should be viewed in the larger context of our teaching mission. I accept as inevitable and in the nature of progress the close coupling between the intellectual life of the institution and the concerns of the extra-academic community. I recognize, moreover, the importance of each of our three traditional roles—of teaching, of research, and of service. But in only one of these is the university unique, without counterpart—and that is in the preparation of young men and women for professional careers and for their responsibilities as citizens. It seems to me essential that as we move forward, our overriding concern should be for the development of each individual student—be he undergraduate, graduate, or postdoctoral—and that all our endeavors should reflect this emphasis upon teaching in the broadest, most comprehensive sense . . .

"I am convinced that undergraduate education is destined at MIT to assume an increasingly broad and fundamental character and that students will come to us in growing numbers in the belief that, whatever their ultimate professional goals, this kind of education will serve them well in an age so powerfully influenced by the social and practical implications of science. Nonetheless, we should never lose sight of the fact that the greatest strength of our particular plan of education is a sense of purpose . . . the new freedom that we offer is no mandate to roam at random and without focus. Their search should be with an open mind but in a purposeful way, reaffirming an interest, perhaps discovering a new one, making it their own, and gradually forming a commitment—developing their own style and beginning to design a way of life.

"I come finally to one further idea which is always foremost in my thinking about MIT. It is the idea of the wholeness of education that what we have to offer the student, undergraduate or graduate, is a total experience, an experience that goes beyond the formal curriculum, beyond a program of courses and a series of examinations. It is more than lectures and classrooms and laboratories, however excellent they may be. It is the sum of all the associations with faculty, all the friendships that are formed among classmates. It is the maturing that comes from participation in student activities, the new perspectives awakened by visiting lecturers, by theater, and music. It is the experience of living as part of a community—a community that shares a common concern for things of the mind and the spirit."

Such an explicit statement of purpose as we present here is only a part of the

report. It also considers such problems as the role of research, quality of teaching, commitment to the outerworld, and others. We recommend the President's report as interesting and informative readings.

What we have presented here is a reassurance to the student that he has not lost his fundamental position in the role of MIT. We also have a checklist against which we may measure how well our own behavior come up to the standards of the complete education Dr. Stratton outlines. We may reflect on the totality of our years here. How much are we gaining from faculty associations, from activities, from the entire community? And are we gaining as much as is possible from our experience here? These are questions well worth asking.

Looking Back

80 years ago

The use of electricity to light homes and train cars was discussed in the March 17, 1887 issue of The Tech. It was noted that lights in the train cars could be operated by storage batteries at a cost of eleven cents apiece per day. This would be more than the present cost of oil lamps, but the added safety and lower maintenance of the electric lamps would more than make up for the difference in price. Reference was made to a fire in which burning oil was spilled over many unfortunate train passengers.

Electricity in homes

The possibility of electrically lighting homes was also discussed. At the time the article was written, small areas of Boston were

already receiving electric lighting. The biggest danger was in carrying the current to and getting it into the homes. Recent improvements in insulation and lightning arresters were noted, but fires could still result if workmen were careless in laying the cable. Public sentiment was against electricity due to the large number of fires that had occurred. It proposed the cables be run underground to eliminate the danger of lightning.

Finally, the students of Electrical Science at MIT were told that they had more opportunities than the original inventors and pioneers, and were urged to spearhead the conversion to electricity. "Our aim, then, as students of electrical science, should be to make the most of our present opportunities; and who can tell what glory we may one day bring upon our hard task-master, the TECH?"

60 years ago

As the new term began, it was suggested that an extra five dollars be added to the basic tuition to defray athletic expenses. The athletic program had previously been financed by the Tech Show, but this was not primarily a money-making venture and as a source of income it was unreliable.

Objections raised

The extra fee was objected to on several grounds. First of all, the MIT tuition of \$250 had, for a long time, covered all expenses (excepting laboratory breakage and books, etc.) and the special fee would break this tradition. Secondly, it was felt that not everyone could afford the extra \$5.00 for something that may not even interest him. A third objection was raised on the grounds that the Institute did not — even officially — recognize athletics.

Despite these objections, an editorial in the Tech urged the adoption of a plan which would provide the advisory council a certain, regular income each year (this undoubtedly helped bring about the Athletic Card).



(Ed. note: The AA has passed a resolution admitting coeds to membership, with all the associated honors, duties, responsibilities." See page 15.)

THE TECH

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Photo on page 1 by Bill Ingram '68

F o n o t e s

By Michael Warren

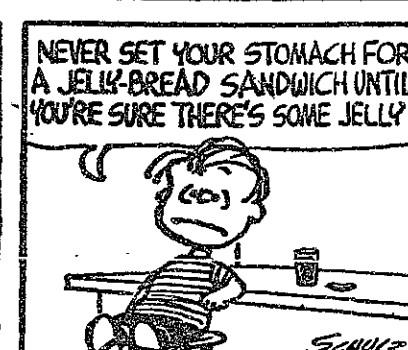
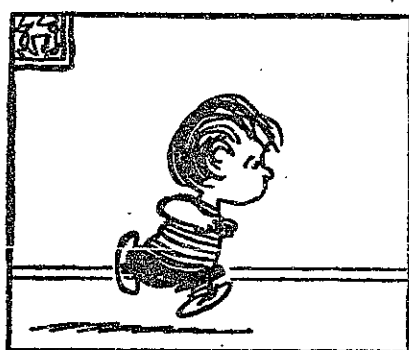
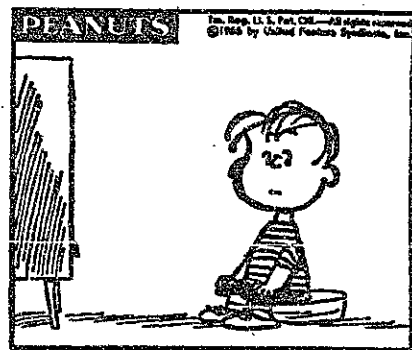
4. Although the Institute's use of computers to schedule underclassmen saves incalculable time, there are bugs to the system. For instance, heads of subjects do not know the number of people who signed up for their classes, as a number of sophomores taking 16.00J can testify. There were originally 3 sections of 16.00J schedules, but when the first class session was held last Wednesday, there was a deficiency of students. Whether this was due to the snow storm, or the hour (8:30 am) is not clear, but the people in charge decided to cut out one of the sections. Between Wednesday and Friday, however, more students materialized, and it was decided to reinstate the cancelled section.

All this manipulating was to the chagrin of students who were sent scurrying between buildings 1 and 31 on Friday morning.

5. Happy Valentine's Day to R.M. & E.L. To those who claim that Tech students have no heart, the 25x30 ft. heart stamped out in the snow in the middle of the Great Court might have changed your mind if you had seen it last Wednesday morning. Somebody must have seen it, however, as by the afternoon there was another, smaller heart beside it.

6. Dormitory residents who complain about the food they are served should rejoice that they need not eat the food that isn't served. Recently, some hungry students passing through the Burton lunch line asked about the grapeanut custard, which was on the menu, but was not being served. The dietician responded, "It was so bad, I couldn't even serve it!"

7. New revolving doors have been put on our favorite wind tunnel, the Green Building, as another attempt to counteract the effects of the wind. Reports reaching this desk indicate that the new doors aren't very much better.



Teuber takes 'physical approach' to explain human thought process

(Continued from Page 1) last year's "Report on the Activities of the Psychology Department" reflects his attitude toward the department's evolution: "We remain committed to being selective in our choice of areas for research, for graduate training, and for undergraduate instruction." He believes that eventually the department will offer an undergraduate degree in psychology. Such a prospect is contingent upon the provision of undergraduate laboratory training; at present, however, "we still lack facilities and staff for laboratory training on the undergraduate level."

Oriented to physical sciences
It is difficult to classify Dr. Teuber as a "type" of psychologist. He most certainly is not enamored of the orthodox Freudian outlook, believing that such an analysis "interprets (in a circular fashion) but doesn't explain" human behavior. Although such a technique "can be ex-

tremely useful in talking to a disturbed person," Dr. Teuber seeks the explanation of human behavior primarily on the basis of the laws of the physical sciences. For instance, he claims that "The real answer to the major forms of mental illness is physical," and a major topic in his introductory lectures is the possible molecular basis of mental illness.

Dr. Teuber defines psychology as "that science which attempts to explain, predict, and control the behavior of organisms, particularly humans. . . ."

In addition to the question of explanation, he is concerned with the problem of control. Cognizant of the possibility that "out understanding of another person's behavior may be abused," Dr. Teuber points out that the problem of psychological manipulation — a "not as directly imminent," is "potentially more serious than the Atomic bomb."

International Week

ISC holds concert, films

By Joseph R. Fiksel
The International Students' Council will sponsor its annual International Week, a gala sequence of recreational and cultural events, from Friday through Tuesday, Feb. 21. Traditionally, the Week has been a great success, and this year's program promises to attract an even larger attendance than in the past. All graduate and undergraduate students are invited to join in the festivities.

Concert to launch program
International Week will begin with a concert in Kresge Auditorium, presented by the Chinese Students' Club. This enjoyable introduction to Oriental music will take place from 8:30 to 10:30 pm on Friday evening and there will be no admission charge.

On Saturday afternoon, from 2:00 to 7:00 pm, the Indian Club will feature the famed series of films which every cinematic connoisseur must be exposed to—the classic "Afu" trilogy. It will be

shown in Room 54-100, at a cost of 50c per person for each film, or \$1 per person for all three. Though the trilogy does have continuity, each movie can be viewed rewardingly by itself.

"Fiesta" to be held

The highlight of International Week will occur on Saturday evening from 8:00 to 12:00 p.m. in the Baker Dining Hall, the Club Latino will host one of its renowned "fiestas," a gay evening of dancing and merry-making. Admission to the International Fiesta will be \$5 per couple, and tickets may be bought in advance.

On Sunday, from 4 to 6 pm, the Graduate Students' Council will sponsor a reception in the Sala Puerto Rico, to which the Foreign Students' Office staff and all international students are invited. Refreshments will be served, and the atmosphere will be informal.

The culmination of International Week will take place Tuesday, Feb. 21, beginning at 7:00 pm

in the Sala de Puerto Rico. The Technology Dames will then present International Night, an impressive array of exhibits and booths representing over thirty foreign countries. Many varieties of delicious foreign food will be served, and there will be ethnic dancing and other forms of entertainment performed in Lobdell. Also, some fascinating foreign travel slides will be shown. Only 50c will admit one to the entire group of events, which will bring International Week to an enjoyable close. Again, all MIT community members are welcome to partake of the exciting international atmosphere, and to sample some of the customs and products of their

(Please turn to Page 8)

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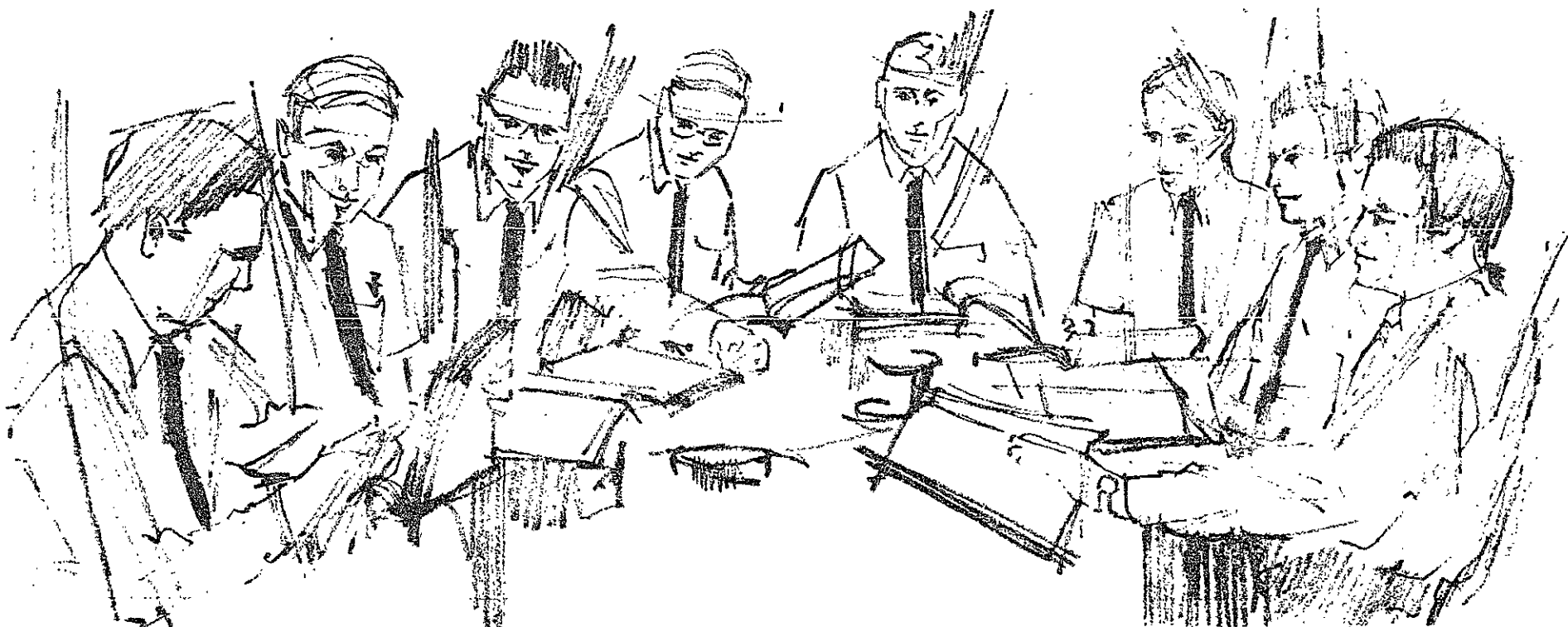
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Candidates get busy

TCA sees election use of silk screens, presses



Photo by Bill Ingram

Bob Condap, candidate for President of the Class of 1968, is shown silk screening with Rich Stern '70, Peter Rode '68, and Bob Schaeffer '69. TCA's silk screens have been overloaded by the rush of student body elections.

Two music scholarships come from band proceeds

Highlighting this year's tour of the MIT Concert Band was the creation of two scholarships in the name of MIT. The scholarships, funded by proceeds from the Band's concert in Niagara Falls, Ontario, will help two outstanding elementary or high school musicians from the Niagara Falls area finance further study in music. Sponsored in Niagara Falls by the local Kiwanis Club, the Band performed there for an audience of one thousand persons and received a plaque honoring it for "Excellent performance and contribution" to the Kiwanis Club music festival, a spring music festival in Niagara Falls.

John Corley, director of the Concert Band, has been invited to Niagara Falls to present the awards on behalf of MIT in May of this year.

Shelters hurt disarmament

(Continued from Page 1)

major military problem, a matter of controlling the arms race. As these political and military issues overlap, they prevent movement in either field. By reducing the military component of the confrontation—which we could safely do—we would immediately open up more areas for political accommodations."

Cries for protection

Dr. Wiesner has been faced with the disarmament question since World War II, when he was involved with the development of defense systems. In 1957 he was appointed to the Gaither study, which was formed by President Eisenhower in answer to cries for protection with bomb shelters.

The President was in effect asking: "Assuming that a nuclear war was going to occur, what actions should the government take to protect the people and insure the survival of our society and its political institutions?"

A psychological blow

What was called for, then, was a system of defense installations

and shelters. But Dr. Wiesner began to question the effects of these measures as a means of preventing war and as a psychological blow against potential enemies and allies.

Dr. Wiesner felt that he had gained some insights into the problem, which he utilized in advising the three Presidents. Among them were the following: (1) no matter how much would be spent on defense, only partial protection could result; (2) a massive civil defense program would heighten public tension and almost certainly lead to war; (3) an extended arms race would point up the hopelessness of an accord, and other nations would begin to arm as well (this has already happened); and (4) no peace would result from armament—all that could ultimately bring peace would be annihilation.

Friday: What is stopping us?

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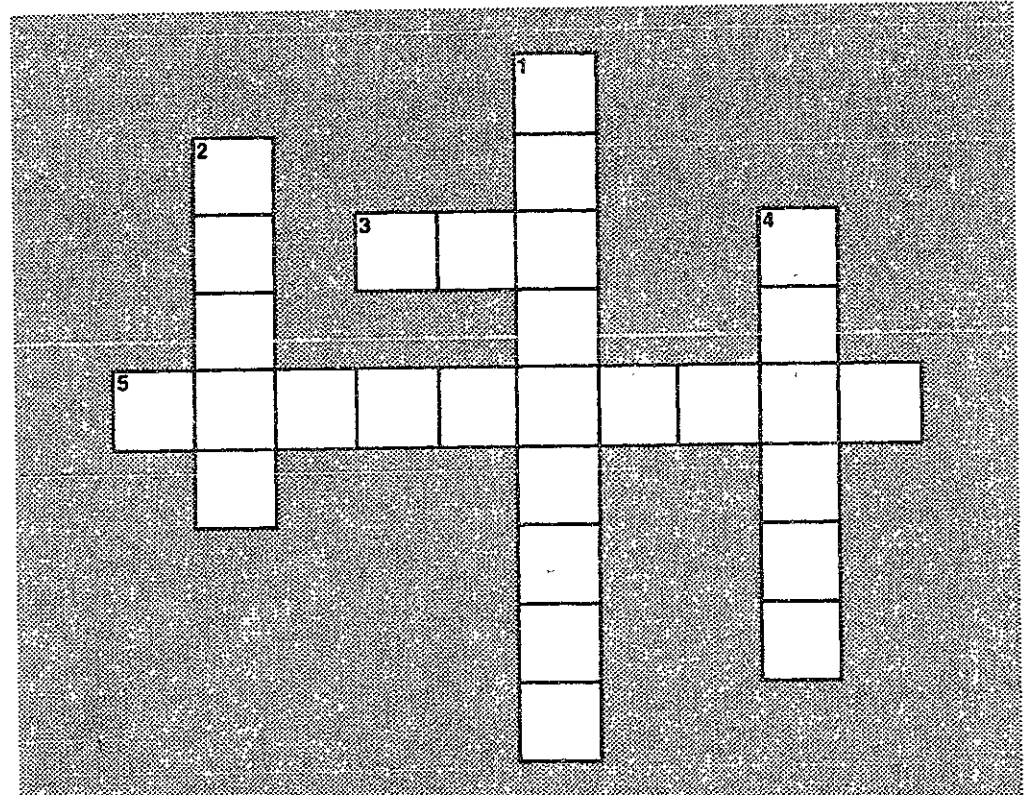
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ANSWERS ON PAGE 11

If you filled in the puzzle correctly, you've probably guessed we're in the business of guiding vehicles. If it floats, crawls, flies or orbits, chances are we're at work on a guidance, navigation or control system for it.

For instance, we're building the guidance/navigation system for Apollo and LM (Lunar Module); we're working on SABRE, the new Self-Aligning Boost and Reentry system for missiles; on the Manned Orbiting Laboratory (MOL); on the Titan III-C Space Booster; and on avionics systems for supersonic and subsonic aircraft of the future.

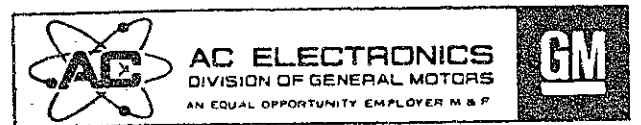
We're also working on the Ship's Self-Contained Navigation System (SSCNS) for the Navy; a fire-control system for the new Main Battle Tank, a joint U.S.-Federal Republic of Germany program; and advanced digital computer development for other military, space and commercial applications.

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Ph.D.s, please note: positions are available in all three AC locations, depending upon concentration of study and area of interest.

Campus interviews
Friday, Feb. 24, 1967



Charles Lloyd Quartette to be presented by WTBS

Charles Lloyd, one of the driving young voices in jazz today and recognized throughout Europe for his excellence on flute and tenor sax, is just receiving notice here in America. The current issues of Time (3 Feb. 1967) and Harper's (Feb.) both feature articles about him. Charles, before leading his current group, worked with Cannonball Adderley and was music director with Chico Hamilton. Appearing with Charles is Keith Jarrett, a young pianist;

Jack DeJohnette, one of the bright new drummers on today's jazz scene; and Ron McClure, bass, the newest member of the group. This will be their first east coast appearance in over six months and their only appearance in Boston in over a year.

Tickets are available at \$2.50, \$3.00, and \$3.50, and may be obtained before the concert in the lobby of MIT Building 10, weekdays from 10 am to 5 pm, or at the door. For information and reservations call UN 4-6900, ext. 2910 during the day or 868-1831 evenings.

Capitalism condemned

Chomsky, Griffith talk at teach-in

(Continued from Page 1)
the worst Communist epithets . . . Since the start of the Cold War, we have come more and more to live up to Communist expectations of us."

'Protect' through destruction

Prof. Zinn's adjective for the war was "crass." The Mexican and the Spanish-American wars may have been somewhat crass, he said, but they were "nothing quite like this." For example, he said that the "Iron Triangle campaign is the logical conclusion of our pacification program." In other words, the situation is such that the only way to "protect" the countryside is to destroy it.

"There has been no such vigorous analysis of a situation since McKinley," said Prof. Zinn. "McKinley waited for the word of God to enter the Philippines. Now we are waiting for the word of God to get out. This can be particularly worrisome what with the present talk about God being



Photo by George Flynn
Professor Noam Chomsky (left) discusses the conflict between local and international solutions to the Vietnamese war. Mrs. Pat Griffith, recently returned from North Vietnam, shows a piece of an anti-personnel bomb to audience.

dead."

At this point Mary Alice Waters of the Young Socialist Alliance talked on the actions of America in the context of world politics. Essentially her point appeared to be that America, by way of her economic control of even the great European powers, has managed to conduct the war relatively unmolested. On the other hand, she

insisted, only Australia has been "strong-armed" into military contribution to the war.

She equated anti-colonialism to anti-capitalism, and told of the progress of the world socialist revolution even to Cuba. The policy in Vietnam, she said, was nothing but cautious, pre-determined escalation.

Government dishonesty

Prof. Kampf spoke next about the dishonesty of the United States government. He began his casual talk with some mumblings about "bourgeois academic intellectuals" and ended it with the thought that perhaps teach-ins themselves are a lie in the thought that they actually accomplish something.

He spoke of the accepted need for "strategic lies" and the silliness of Americans not to accept them. He noted that the adoption of the name "credibility gap" probably signaled that now we can live with it. He assigned the term "existential tragedy" to the mistakes of the war. He talked of the war as a campaign in the "quotient of pain," wherein he tried to make the enemy yell "uncle."

Vietnam visitor

Pat Griffith, a housewife who spent 11 days in North Vietnam, along with three other housewives, was the final speaker.

Answering Prof. Kampf, she began her speech by saying, "I am one of those naive Americans who believes that the government should tell the truth." It was for this reason that she visited North Vietnam, interviewed Ho Chi Minh, and met the people.

Her sole souvenir, and her strongest document, was half of an anti-personnel bomb which, she claimed, had been used against the civilians around Hanoi. This bomb was admitted by the Pentagon to being used in the North. Consisting of 265 tennis-ball size balls of exploding "ball bearings" this type of bomb is supposedly ineffective against buildings or "military targets."

Four final statements

Mrs. Griffith made four political points about North Vietnam. First, that they value independence, and fear dependence on Moscow or Peking as much as dependence on Washington. "They are, while Marxian, clearly anti-Communist." We, she insisted, are imposing their dependence on Peking and Moscow.

Second, she said that unification is a recognized impossibility in the short run. But north-south trade and relations are highly desired, especially since many families are split geographically. "The place is so obviously one country," said Mrs. Griffith.

Third, she insisted that negotiation must involve the stopping of the bombing and the admission that north and south compose one country.

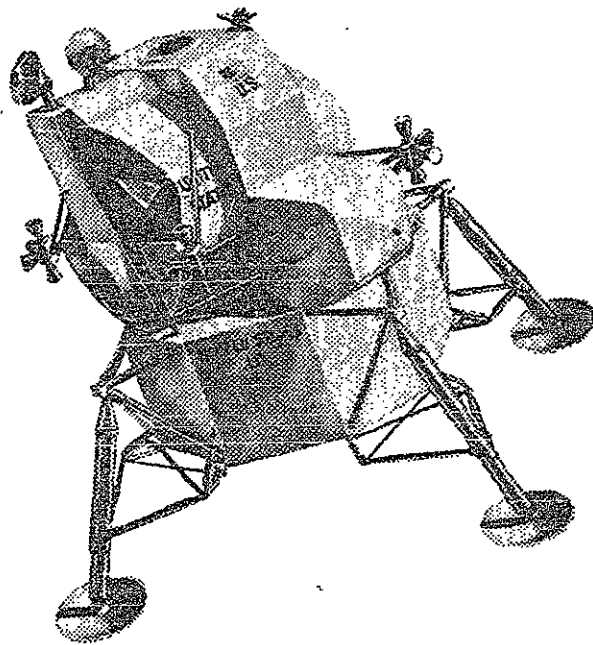
Fourth, she said, quite simply, "the bombing is not working at all." In fact, she concluded, it merely solved their severe domestic problems by uniting the people.

Correction

The Board of Directors of the Tech Engineering News was incorrectly listed in Friday's issue of the Tech.

The Editor-in-Chief is Alan S. Ratner, '69. The Comptroller is Barry Eisenstat, '69, and the Publicity Co-ordinator is David Silverman, '69.

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CAMPUS INTERVIEWS Monday, February 27

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International Week planned for entire MIT community

(Continued from Page 5) foreign colleagues. The International Students' Council hopes that everyone will enjoy International Week to the fullest. Council President Victor Silva will be glad to inform or

assist you in any way he can; 491-4456. We trust that next week will be a fitting climax to a year of industrious efforts toward coordinating and improving foreign student activity at MIT. he may be reached at x3742 or

theatres...

Brecht play centers on mystic symbol

By Jeff Stokes

The Theatre Company of Boston is currently presenting another Brecht play, 'The Caucasian Chalk Circle' which, after the relatively disappointing 'Fear and Misery of the Third Reich' last year, will

probably rival or outdo 'The Good Woman of Setzuan' of two years ago. 'Chalk Circle,' like the usual Brecht creation, deals with the martyrdom of those who devote themselves to righteousness, motherhood, humanitarianism, etc., as well as reminding us of the cruelty of kings and the misery of the poor. Set in history and a remote realm, the play champions indirectly the socialist ethic, in effect providing a moral more relevant to Brecht's day than to the time of the action in the play.

Technical brilliance

But like 'Good Woman' and unlike 'Third Reich,' the present work has a good narrative line, with dramatic unfoldment that evokes our sympathy and rage, without wallowing too much in didacticism. We will probably never get away from the didactic element in Brecht, which sits like lead among the gold and silver threads of Brecht's fantasy, but with a decent plot we can put up with a certain amount of it. The playwright here has merged much of the philosophizing into the action and characters themselves, so that 'Chalk Circle' is more than a soap-box harangue.

One must not overlook, however, the key element in the success of

'THE CAUCASIAN CHALK CIRCLE' by Bertolt Brecht, translated by Eric Bentley; directed by David Wheeler; cast: Paul Benedict as the story teller, Naomi Thornton as the governor's wife, Penelope Allen as Grusha, a kitchen maid, Larry Bryggman as Grusha's brother, Hector Elizondo as the Ironshirt Corporal, Wynne Pendleton as the Fat Prince, Morrie Perce as Simon, and Ralph Waite as Azdak; now playing at the Theatre Company of Boston.

this production: the Theatre Company input, both in the stage effects and in the acting. The costumes are a true product of genius: woven rags for the (abjectly poor) common people, and masks, headdresses, and long fingernails for the ruling class, who are thereby represented as pompous you-know-whats. The use of projected backdrops in conjunction with a forest hanging from an overhead wire creates interesting effects of light and shadow that put the audience right out there on the steppes of central Asia and keep them there.

A touch of bawdiness

Those used to Brecht will be surprised to find some routines in the play strongly reminiscent of Aristophanes, marked by the candid brandishing of foul words. It almost seems as if some divinely interfering Hand were trying to throw in a few irrelevant jokes to make up for the lugubrious rectitude of Brecht's outlook. That Hand probably belongs to Eric Bentley, who is responsible for the translation of the play from the German. Only this could account for the presence of a (bawdy) pun or two that could not exist in any language but English. And in fact the casual, day-to-day wording of some of the lines points to the possibility that the translator took a few liberties with the original script.

Redeeming feature

Only one character, however, rescues this play from the graveyard where stilted, extra-human, stereotypes are buried, and that is Azdak, the village recorder and eventually the kingdom's judge. He is played by Ralph Waite, who played Brother Julian in 'Tiny Alice,' likewise the only human creature among a cast of monsters. Azdak, with his profoundly practical insight and half-clownish, half fatherly attitude, carries the play through to a conclusion that works; it works because of an ingenious testing device called the chalk circle, and because this chalk circle comes straight out of the blue with such a burden of symbolic and mystical possibilities. Whether the 'circle' was plucked out of Caucasian lore or out of Brecht's fertile imagination cannot be guessed, but it serves to decide the issue raised in the play without the last appearance of being an artificial solution. There is something totally new and unexpected about the circle, and the magic of this newness sticks with us.

Cast of thousands

The Theatre Company is to be congratulated for finding enough actors to fill the some seventy (Please turn to Page 10)

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The Avant-Garde Scene

The Chambers Brothers and the Hallucinations appeared at the Boston Tea Party this Saturday night, February 11, and set everyone and everything in sight and hearing on fire.

Rock and soul

The Chambers Brothers were the main attraction of the night with their well known combination of hard rock and soul music. The quintet danced and gyrated along with the wild sounds they played. Most of their songs were solid rock rather than soul, probably for the benefit of the dancing public, but the soul songs that the brothers played came on smooth and mellow, though over-amplified. This is one of the few groups that sounds better live than it does on records; the Brothers performance of their latest hit "All Strung Out" left every one gasping for air when it was over. During their second set the group really had the audience switched on, dancing, clapping, and shouting in time to a five minute drum solo.

Frenetic dancing

Not to be outdone, the Hallucinations, who alternated sets with the Chambers Brothers, roared in with their own brand of rock and roll. Depending heavily on the frantic harmonics and screaming vocals of their lead, the Hallucinations blasted out a sound that put everyone within hearing on their feet. The mere volume of the music knocked the legs off chairs and the surge and movement of the beat induced dancing that paralleled the rites of spring.

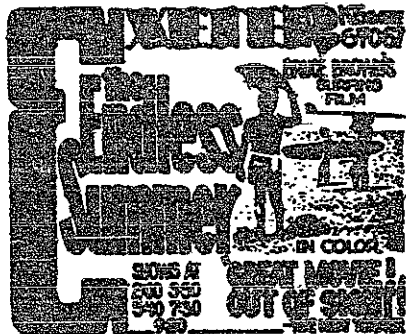
Boston Tea Party

The Boston Tea Party, where this took place, is an amazing discotheque of itself. The entrance is up a wide, steep flight of stairs between panels lettered with the names of men who have given light to the world; Prometheus, Uranus, Watt, Edgerton, Edison, Lao Tse, and others. The dancing

is in a huge cavernous room where one is engulfed by cascades of light and sound and surrounded by dancers in all types of clothing, from "mad mod" to "straight." The walls are covered with designs that glow purple and green under fluorescent lights, kaleidoscopic patterns that change shape and color in apparently ceaseless and unrepeating mosaics. Campbell soup cans, pictures of Batman, and flashing lights. "Organic" movies, blobs of color that dance and pulsate with the music, are projected onto a large movie screen that hangs above the dance floor illuminated by brilliant strobe lights that make the dancers flicker in and out of reality.

Neuro-psychology

Dave Hahn, who runs the discotheque and is an MIT graduate, like to think of the Tea Party as an experiment in neuro-psychology; what happens to the mind when it has received so much stimulus that it reaches the overload point? Some people are so overwhelmed by the noise and lights that they collapse into the nearest chair and don't move for the remainder of the evening, others dance themselves into near exhaustion and then there is the fellow who wore a button that said "Take a trip with Jesus."



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Music
Boston Civic Symphony Orchestra—Karlman Kovac conducting; Kodaly's 'Concerto for Orchestra,' Walton's 'Violin Concerto,' Liszt's 'Les Preludes,' Weber's 'Overture to 'Der Freischuetz' (Ronald Isaac conducting): Feb. 17, 8:30; Jordan Hall.
Boston College—Tom Rush in concert: Feb. 19, 2 pm; Roberts Center: \$2.
Boston Conservatory of Music—Music Theatre Workshop: Feb. 19, 8:30 pm; Boston Conservatory Theatre: free.
Boston Symphony Orchestra—Richard Burgin, guest conductor; Weber's 'Overture to "Oberon," Shostakovich's Symphony No. 5, Op. 47, Rachmaninoff's 'Piano Concerto No. 2 in C minor, Op. 18' (Gina Bachauer, soloist): Feb. 14, 7:30 pm; Symphony Hall.
Boston Symphony Orchestra—Erich Leinsdorf, conducting; Beethoven's 'Symphony No. 2 in D major, Op. 36,' Colgrass' 'As Quiet As,' Brahms' 'Violin Concerto in D major, Op. 77' (Joseph Silverstein, soloist): Feb. 17, 2 pm, Feb. 18, 8:30 pm; Symphony Hall.
Boston Symphony Orchestra—E. Power Biggs joins Boston Symphony Orchestra in organ concert; concerti and sonatas for organ and small orchestra by Bach, Haydn, Mozart, Poulenc, and Vivaldi: Feb. 19, 8:30 pm; Symphony Hall.
Boston University—BU Chorus and Chamber Singers concert; Bach's 'Gesu Meine Freude,' Buxtehude's 'Herzlich Lieb Hab Ich Dich O Herr,' other works: Feb. 15, 8:30 pm; Concert Hall of the School of Fine and Applied Arts: free.
Folk Music Scope—Leonda, Bob Jones, Eliot Kenin, Blues Children, Dan Graves, Bill Nixon: Feb. 17, 8:30 pm; Suffolk U. Auditorium: \$1.50.
The Lovin' Spoonful—Feb. 17, 8:30 pm; Symphony Hall: \$3.50-\$4.95.
Minneapolis Symphony Orchestra—Stanislaw Skrowaczewski conducting; Lutoslawski's 'Funeral Music,' Mozart's 'Concerto for Piano and Orchestra No. 21 in C major,' Shostakovich's 'Symphony No. 10 in E minor': Feb. 19, 3 pm.
New England Conservatory—First Artist's Recital; Marsha Vleck, soprano; works by Haydn, Mozart, Poulenc, Wolf, Sibelius and Rorem: Feb. 15, 8:30 pm; Jordan Hall: free.
New England Conservatory—NEC 'Russian Tour' Chorus. Lorna Cook de Varon, directing; works sung on Russian tour, including those of Dufay, des Pres, Bach, Ives, Fine, Pinkham, and others: Feb. 19, 8:30 pm; Jordan Hall: free.
New England Conservatory—The New Event Ensemble; Francis Cooke's 'Quintet for Piano and Strings,' Iannis Xenakis' 'Derma for Piano,' and Arnold Schoenberg's 'Pierrot Lunaire, Op. 21': Feb. 22, 8:30 pm; Jordan Hall free.

INTERVIEWING AT
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Feb. 16

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Tuesday, February 21

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Protest singer

Tom Paxton concert held

By Jack Donahue

Folk music in Boston, was born, and has been nurtured in small intimate establishments, the coffeehouses. Originally, these places provided refreshment, whence the name, and an atmosphere congenial to the folk singer. The immense popularity of some of the more famous folk artists has made their appearance for a small coffeehouse audience impractical.

Paxton concert

Folklore Productions has initiated a concert series to present these big name folk artists before larger crowds than can be accommodated in the coffeehouse.

'Chalk Circle' proves entertaining if not profound

(Continued from Page 8)

roles called for by the script. Not that there are seventy separate actors, but the list of those who act in one or several parts is still impressive. All in all, the play is quite entertaining, though not profound (or ambiguous, if you prefer) in the least compared to the previous production by the Company, Albee's 'Tiny Alice.' To understand Brecht, you need not follow every last babbling of the peasant choruses or commit to memory the lay sermons of people like Grusha or Azdak; you need only keep in mind what Brecht's mind is making a track for, what he is setting out to show. But of course you still do better by listening to everything.

Toward greater technique

With the production of 'Chalk Circle' it becomes evident that the Company has seriously embarked on an exploration of the technical side of theatre. Of note is the use of music to heighten the effects of the play, and not the usual lute and harpsichord music either: the form of the accompaniment is quite modern, the drum being the chief instrument. In earlier years their experimentation consisted of trying new and unproven works for the theatre, of trying to make such plays communicate to an audience. Now they are apparently expanding this attitude of inquisitiveness and testing to other aspects of production. In this way they are reaching true originality as an acting company.

Last Saturday, Tom Paxton was presented by this organization, in conjunction with the Club 47, at Jordan Hall.

The atmosphere was not quite that of the coffeehouse, but Jordan Hall is not a mammoth auditorium, and was fairly well suited to the occasion. The reverberation of the amplification system was slightly annoying at first, but was a necessary evil.

Original songs

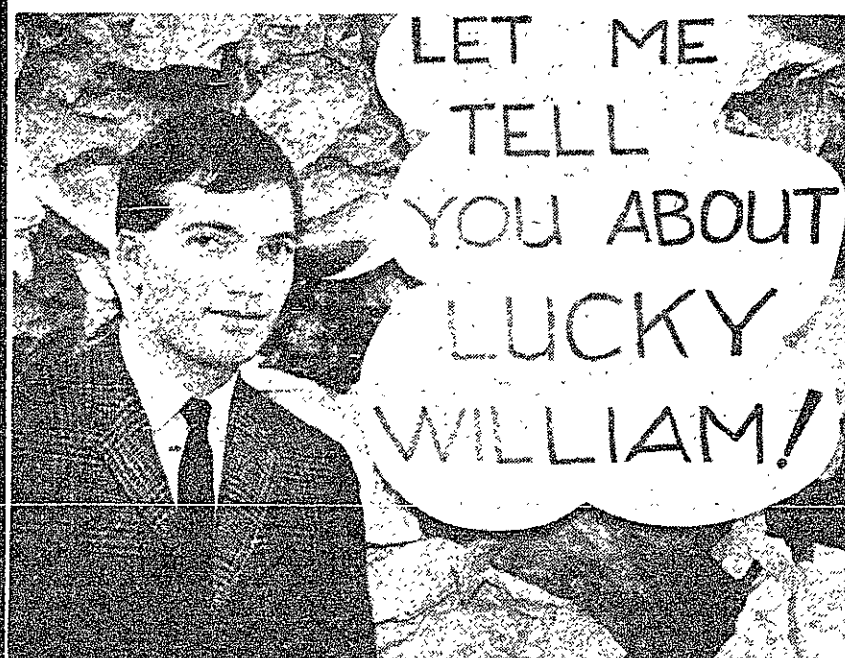
All the songs performed were his original compositions, with two exceptions. (One of which was 'Sully's Pail,' which he learned as a child). His songs are of two very distinct sorts. His protest songs range in intensity from the light-hearted fun-poking of which

'Talking Pop-Art Blues' is typical to the more virulent declamations he is capable of, as exemplified by 'The Hooker,' one of his newer compositions.

Love songs

At the other end of the Paxton spectrum is his tender love songs, such as 'Last Thing on My Mind' and 'Leaving London' (on his latest album).

However the bulk of the performance was occupied by his tongue-in-cheek protest songs, interspersed with these charming ballads, which are his best. One wishes he would concentrate more on these, since broadside and satire, although amusing at first, tends to wear thin if overused.



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On Deck
Tuesday, February 14
Basketball (V)—Northeastern, home, 8:15 pm
Basketball (F)—Northeastern, home, 6:15 pm
Wrestling (JV)—Stevens, home, 7:30 pm
Fencing (V)—Holy Cross, home, 4 pm
Fencing (F)—Cambridge School, home, 7 pm
Hockey (V)—Babson, home, 5 pm

Record now 4-8

Tech skaters topped twice; Babson, Bowdoin victorious

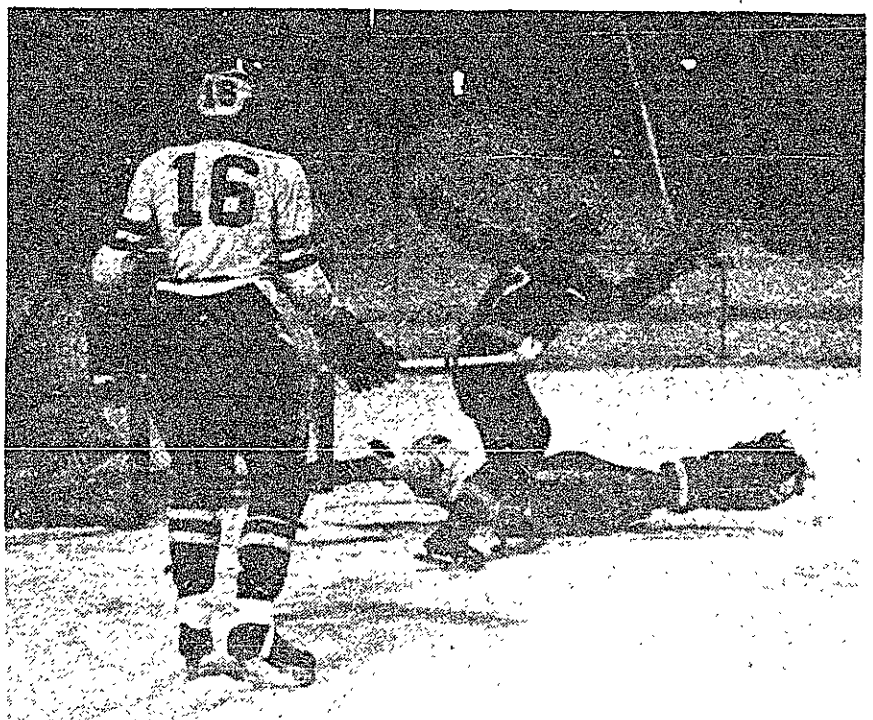


Photo by George Flynn

Clay Satow '68 (#7) raises his stick in triumph as Denis Coleman '68 skates away from scoring Tech's first goal against Babson. Despite the early 1-0 lead, the skaters lost, 6-4 as Babson scored 6 goals in the final period.

By Jon Steele
The varsity skaters dropped their seventh and eighth games of the season last week, losing at Bowdoin Saturday night and to Babson College here last Thursday. The team's record now stands at 4-8.

riod Tom Newkirk '67 also tallied for Tech. Steve Eriksen '69 stopped all twenty-five Babson shots to preserve the 2-0 lead heading into the final period.

At Bowdoin, the icemen faced probably their strongest competition of the season. Their lines were big as well as fast, and peppered goalie Carl Bryant '67 with 18 shots in the first period, scoring on five. Bill Cadogan '69 put the first goal into the nets, with Scott Rhodes '69 and Mike Zuteck '67 getting the assists. Tech's only other goal was scored by Don Bosack '67, with Mike Nescheba '69 and Larry Hall '67 assisting. But, meanwhile, Bowdoin knocked in six more, upping the final score to 11-2.

In the third period, however, Babson broke loose. Sonny Chamberlain scored twice in the first five minutes and his teammates rifled in four more goals in quick succession. Bosack and Coleman each scored for Tech, but the final score was 6-4. MIT meets Babson here again tonight, so let's not allow the Babson fans to again outnumber us at our own rink!

How They Did

- Basketball**
MIT(V) 71, Wayne State 52
Harvard 65, MIT(JV) 52
Harvard 95, MIT(F) 60
- Swimming**
MIT(V) 50, Trinity 45
MIT(F) 52, Babson 43
- Wrestling**
Coast Guard 19, MIT(V) 13
- Hockey**
Babson 6, MIT(V) 4
Bowdoin 11, MIT(V) 2
- Squash**
MIT(V) 7, Trinity 2
MIT(F) 5, Trinity 4
- Fencing**
Brooklyn 14, MIT(V) 13
- Track**
MIT(V) 6th in GBC
MIT(F) 5th in GBC

Babson wins, 6-4
At home Thursday night MIT again faced Babson, the team which defeated us 5-1 in the MIT tourney, and again they were greeted by a crowd of almost 200 Babson supporters. The Techmen skated hard and seemed set on revenge. After fifteen minutes of good defensive play by the whole team, Denis Coleman '68 fired the puck past the Babson goalkeeper; five minutes into the second pe-



Last year, thousands of lawyers, bankers, accountants, engineers, doctors and businessmen went back to college.

And not just for the football games.

We'd like to clear up what appears to be a misunderstanding. It is somewhat popular on campus to decry a business career on the grounds that you stop learning once you start working for Cliché Nuts & Bolts. That idea is groundless.

We can't speak for Cliché, but we can for ourselves—Western Electric, the manufacturing and supply unit of the Bell System. 6 out of 10 college graduates who have joined us over the past 10 years, for example, have continued their higher education.

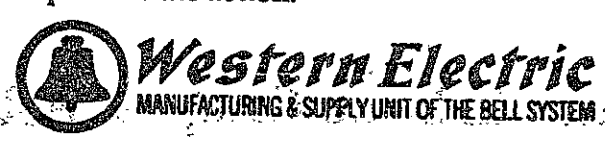
How're these for openers: W.E.'s Tuition Refund Plan lets employees pursue degrees while working for us. Over 6 thousand have attended schools in 41 states under this plan. We refund more than \$1 million in tuition costs to employees a year.

To name another program: advanced engineering study, under the direction of Lehigh University, is conducted at our Engineering Research

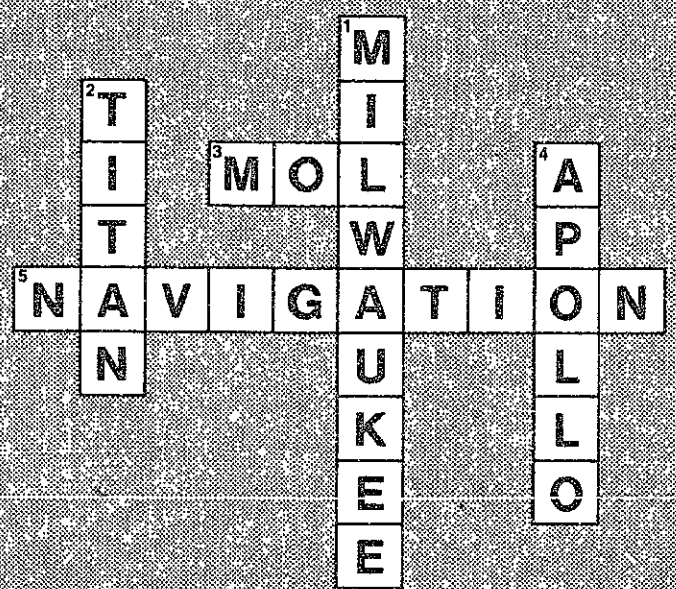
Center in Princeton, N. J. Selected employees are sent there from all over the country for a year's concentrated study leading to a master's degree.

You get the idea. We're for more learning in our business. After all, Western Electric doesn't make buggy whips. We make advanced communications equipment. And the Bell telephone network will need even more sophisticated devices by the time your fifth reunion rolls around. The state of the art, never static, is where the action is.

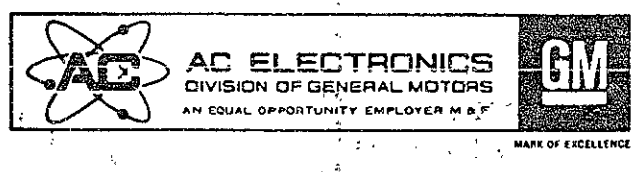
At Western Electric, what's happening is the excitement and satisfaction of continued doing and learning. If this happens to appeal to you, no matter what degree you're aiming for, check us out. And grab a piece of the action.



ANSWERS to the AC Career Anagram on page 6 :



If you haven't yet found the answer to choosing your own career, consider the unusual opportunities offered by AC. Take another close look at our ad on page 6. Then let's hear from you.



WHO WINDS THE KEY IN THE GRAY FLANNEL BACK?

(or Must You Be a Conformist in Business?)



Robert W. Galvin,
Motorola Inc.



Edward Kokalas,
Michigan State



Robert Byman,
University of Illinois



Mark Belnick,
Cornell



James Hill,
Harvard



Larry Warner,
University of Texas



Thomas Fehn,
University of Southern California

Dear Mr. Hill:

Through much current student thinking about business runs a rebellion against the prospect of knuckling under to a corporate mold. A smart company will welcome this attitude (though the same smart company will distinguish between an individual with creative ideas and a malcontent with a chip on his shoulder).

You put the matter this way: The "distinguishing mark" of the businessman is "sameness." Mark Belnick at Cornell feels corporate use of personality tests "destroys any attempt at convincing students that business is truly interested in them as individuals." Harvard's Jim Hill says students want to keep the "sense of individuality and creativity" which a college education nurtures.

From the University of Illinois, Bob Byman asks why, if business does indeed offer opportunities for individuality, people do not know of it. Ed Kokalas at Michigan State writes about "the square peg in the square hole" and Larry Warner of the University of Texas speaks of "being lost in the corporate crowd."

Across all these comments falls the ghostly shadow of a stereotype.

A writer friend of mine used to give a wind-up toy to each child every Christmas. Now that his children are grown, they give one to him. This year's toy was a little tin man in a business suit, complete with wind-up key in his back.

Isn't this how some students see Mr. Average Businessman? Clockwork and hollow . . . no mind of his own . . . wind him up and away he hops, just like all his brothers from the same production line. Drive? Certainly. Values? Never!

Some of today's thinking and writing about "the businessman" has just about as much resemblance to real life as this toy has. The more we cut through the fictional or unreal part of the gray flannel and organization man talk (while we listen to and benefit from the rest of it), the better off both businessman and college man will be.

Behind any folk myth is at least enough fact to keep it alive. Joe Colleges and Absent-Minded Professors do exist; so do Dizzy Blondes and Organization Men. But all blondes aren't dizzy and all businessmen aren't robots. We must sort fact from fancy and act accordingly.

Here is the crux of this "conformity" question: Does or does not business try to make people into wind-up robots? The answer: Any company which tries to do this or does not try to prevent it from happening is not a smart company.

This is how Crawford H. Greenewalt, chairman of the 100,000-employee DuPont organization, spoke of this in *The Uncommon Man, The Individual in the Organization*:

The alert and well-managed organization will be fully aware of the dangers associated with individual submersion. Progress will be made in direct proportion to the intellectual freedom of action given all the men on the team. There is nothing inherent in large organizations which closes the door to high individual performance, but the larger the organization, the more assiduously it must work at the job of keeping its channels of encouragement and recognition open and flowing.

In the preface to this book, Columbia University's Courtney C. Brown points up the distinction between "debilitating conformity of thought" and "rational conformity of behaviour within the bounds of commonly accepted purpose."

Would you buy this? I do, because I believe success and fulfillment come to men who innovate, engineer, develop, invent, create; to men who interact as individuals with other individuals, each bringing unique backgrounds and insights to bear on a common problem.

How much "cult of the organization man" do you think there might be in a stock exchange? Listen.

The Midwest Stock Exchange used to be just an apparently comfortable carbon copy of the New York Stock Exchange. When it realized it was in a rut, it hired a 44-year-old stockbroker named James E. Day as president. His challenge: to develop

completely new and independent ideas, to build a meaningful and major exchange.

His first change was to allow corporations as well as partnerships to join the exchange. This had never been done anywhere. "Clearing by mail" was Day's next innovation. This let out-of-town firms deal directly with the exchange and improved the service these firms could give their customers. The exchange next pioneered by installing a computer center to do the bookkeeping for member firms.

Note here that the organization—a stock exchange—specifically welcomed radical innovations. Note also that three "industry firsts" resulted—and the New York Stock Exchange has since adopted the first two and is developing the third. Midwest volume grew from \$109 million to four billion dollars in the process.

Would you expect to find "organization-ism" in a public utility? But Illinois Bell Telephone Company, for example, consciously and constantly—even systematically—encourages its employees to question every system it has (from the customer's point of view), to ask why it is the way it is, to find ways to make it better.

Probe any successful organization and you will find attitudes like those in these two examples. They are what make the world go. Business benefits from individual creativity working in and through rational conformity of behaviour. So does society. So do you.

Robert W. Galvin
Chairman, Motorola Inc.

AN OPEN LETTER

This open letter about conformity in business is written by a businessman to one of six student correspondents on six different campuses. It is part of a continuing series of open letters published in 29 student newspapers reaching some 300,000 college men and women.

James Hill is a student at Harvard. Robert W. Galvin is chairman of Motorola Inc. If you have comments or questions, write Mr. Galvin at 9401 West Grand Avenue, Franklin Park, Illinois 60131.

Bridge winners announced; Fresh sports next game to be Saturday

Winner's in Saturday's duplicate game at the MIT Bridge Club were: North-South, 1. Kenneth Koenig and David Roy, 2. Richard Freedman '65 and Jeff Passel '69. East-West winners were: 1. Mark Bolotin '68 and Mike Chasan '67, 2. Dave Olson '68 and Larry Harbuck, 3. Fred Ciarmaglia '69 and Arthur Lieverman. This week's game will be held Saturday at 1 pm in room 407 of the Student Center.

Swimmers, racketmen top opponents

By Mike Schibly
The Tech mermen outswam Babson by nine points, 52-43, last Saturday at MIT's Alumni Pool; their record now stands at 2-4-1. The most impressive performance was turned in by Babson's King,

the only triple winner of the contest. His victories included the 200-yard individual medley and the 200-yard butterfly, with times of 2:17.8 and 2:16.1 respectively, and a victory in the 500-yard freestyle. However, first-and-second combinations by MIT in the 50 and 100-yard Freestyle, the 200-yard backstroke, and the diving events, as well as a win in the 400-yard medley relay gave the engineers the victory.

Jeff Ellison was Tech's high scorer, with wins in the 50-yard Freestyle (24.1) and 100-yard Freestyle (55.0). Bob Rorschach remained undefeated for the season as he won the diving contest, and Tom Bultman added a victory in the 200-yard backstroke and a second in the 200-yard breaststroke to the winning effort.

Cagers trounced

The hoopsters were manhandled by Harvard Saturday night to the tune of 35 points, 95-60. For the first ten minutes of the game, the Engineers kept easily abreast of the Harvard five, and were down only one point, 17-16. The Crimson, however, moved into a 1-2-2 zone defense in the second quarter, and completely baffled the Techmen. The score was 34-23 at halftime, and the rest of the game was a rout. It was late in the fourth quarter before Tech discovered how to operate against the zone, and by then the game was over.

Racketmen edge Trinity

The squash team extended their record to 4 wins and 3 losses by taking a close contest from Trinity, 5-4. In the first eight matches, Terry Champlain, Rod Walker, Manny Weiss and Chris Man scored victories, Rod by a score of 3-0. However, Bob McKinley, Bob Armstrong, Mike Gu-

stin and Skip Perkins were beaten. The score was thus tied 4-4 as Irv Asher took the court, and, in a beautifully played set defeated his opponent 3-0, clinching the victory for Tech.

Thinclads fifth in GBCAA

The trackmen had a disappointing day at the GBCAA meet, finishing fifth out of seven teams. Harvard won the meet with 62 points; MIT compiled only twelve. John Owens and Bruce Lautenschlager posted seconds for the Techmen; John in the 1000-yard run, with a time of 2:23, and Bruce in the weight throw. Larry Petro and the mile relay team were responsible for the remainder of Tech's points; Larry copped fourth in the two-mile run in 10:18, and John Holding, Don Mining, James Leary and Larry Kelly combined to do the same in the relay in 3:41.

Crew trains for spring in modern boathouse



Photo by George Flynn

Some of Tech's heavyweight oarsmen work out in the new rowing tank in a pre-season training program.

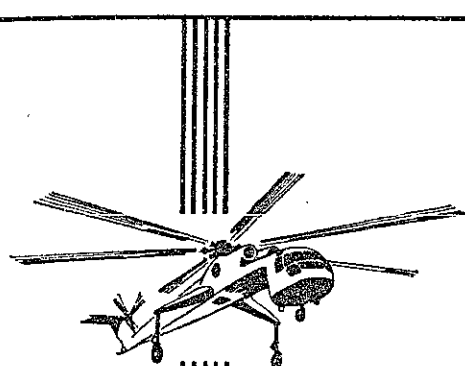
By Chuck Hottinger

With eight weeks remaining before racing season, the Tech crew squads are currently midway through their first winter training program in the new Pierce Boathouse. For the first time, full-fledged indoor rowing facilities are available to the MIT oarsmen, giving them equal footing with traditional rivals such as Harvard, Yale, and Cornell, long-accustomed to winter rowing.

Considered the most modern rowing tank ever built, the system contains a host of devices to simulate actual rowing conditions and to check on individual performance. With the standard movable rowing seats and riggers suspended from a stationary track, the oarsmen row in water pumped past at speeds up to fourteen feet per second. Modifications now being completed will soon permit "off-keel" simulation by pairs, fours, and eights, and will reproduce fore and aft rolling effects. Large mirrors are being installed around the tank to aid in checking balance and blade alignment, while force gauges will soon record each oarsman's effort.

Counting the tank and new boathouse as prime causes, the coaching staff reports one of the largest turnouts in recent years. Thirty-two varsity heavies under Coach Frailey and 28 varsity lightweights under Coach Gary Zwart, the more than 120 varsity and frosh oarsmen look forward to the beginning of a new era in MIT rowing.

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Trackmen finish sixth in GB Championship; Sydoriak places fourth

By Jim Yankaskas

MIT's indoor track team did not compete as a unit in the Greater Boston Championships held on Friday and Saturday, but several individuals entered and placed Tech in the scoring column. With the limited number of performers, MIT placed sixth in the meet with 6 points.

Tech's entries were all in the field events, and three men won places. Both Gordon DeWitte '67 and Dave Osborne '67 took points in the 35-lb. weight throw. Their places were third and fifth, respectively. The event was won by Kavanagh of BC and Harvard's Wilson was runnerup.

Steve Sydoriak '68, Tech's record breaking pole-vaulter, placed fourth. Lazarus of Harvard won the event with a vault of 14 feet. Steve has cleared 14 feet many times, but injured himself on his first jump and was unable to reach his normal height.

Two dual meets remain in the season for the team. This Saturday they will host UNH in Rockwell Cage, and the following week they travel to UConn. Following that will be the IC4A Championships and the Connecticut Relays to finish off the season.

Matmen lose first of year in New England competition

By Arm Varteressian

Tech's varsity grapplers lost their first dual meet in New England competition last Saturday as the Coast Guard Academy at New London, Connecticut dealt them a 19-13 defeat.

Ed Tripp '67, wrestling at 123 pounds instead of his usual 115, was pinned by Coast Guard's Bob Long in 2:13 of the second round of their match. At 130, Bill Harris '68 wrestled in place of Gregg Erickson, '69, who is sidelined for the rest of the season with injuries. Bill could not contain Coast Guard's heavier Jim Hull, and lost a 9-3 decision. Jack Maxham '69 put the first points on the board for MIT as he drew 3-3 with Jeff Harben. Jack Wu, '68 wrestling 145 against Tom Mills, took a 14-3 decision defeat. John Fishback '68 gave the Techmen three points as he decisioned Rick Larabee 8-5, bringing the score to 13-5, Coast Guard. At 160, Julian Schroeder '69 lost to Maikie Bradaric 7-2, and Coast Guard's Mike Herman put the meet on ice by winning a 6-2 decision over MIT's Hank DeJong. Keith Davies '69 had no trouble with Tim Balunis, winning a 10-2 decision in the 177-pound class, and Coast Guard forfeited the unlimited match to

Dave Schramm '67, bringing the final score to Coast Guard 19, MIT 13.

The wrestlers next match will be at Tufts tomorrow night.

Going Places?

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(Feb. 27 - May 25)

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Tuesday, Thursday and Friday
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Our representative will be on your campus soon. Contact your placement director to make an interview appointment. Or write for a brochure outlining more specific areas of job opportunity to Mr. J. B. Kuhn, Manager of University Recruitment, Celanese Corporation, 522 Fifth Avenue, New York, N.Y. 10036.

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Tech fencers drop match to Brooklyn; season record now stands at 4-4

By George Wood
In their tightest meet of the year, MIT fencers lost to Brooklyn College, 14-13, Saturday at Brooklyn College. The final outcome of the meet hinged on the last foil bout and the last epee bout, which were fenced simultaneously. The score was 13-12, for MIT, as Peter Hayward '69 in foil and Bill Stephan '69, in epee, began the last bouts. Each match proceeded to a 4-4 tie. One more touch in either bout would have given MIT a victory. Then, within a few seconds of each other, both MIT fencers lost, giving Brooklyn a victory.

Tech fencers won in epee, 5-4, as Captain Bill Murray '67 won two and Jack Stafurik '68 won one. Bill Stephan '69 won two in epee, his only loss was in the final bout. MIT fencers also did well in sabre, winning 5-4. Frank Carroll '69 and Curt Marx '68 each won two and lost only one; Burt Rothberg '68 accounted for the other sabre win.

Brooklyn College won in foil by a score of 6-3, as Leonard Zucker '67 won two and George Churinoff '67 won one. Coach Vitale's fencers now have an even season record of 4-4.

Two teams now varsity

Resolution admits women to AA

By Tony Lima
Women in athletics was the main topic for discussion at last week's meeting of the Athletic Association. The AA unanimously passed a resolution admitting coeds to membership, with "all associated honors, duties and responsibilities . . . subject to the MITAA Constitution . . ."

However, the women will have to wait for a few things. The first exception is that the membership of the Varsity Club will still be reserved solely for male undergraduates. This, however, doesn't necessarily involve an amend-

ment to the Constitution, as that says nothing either way on the subject.

Two women's varsity sports Under the provisions of the resolution, the coeds now have two varsity teams, retroactive to September 1, 1963. Any women's team can be considered a varsity team if it has been engaged in inter-collegiate competition for three consecutive years. If such is not the case, a women's team will be considered a club sport. So, the women's sailing team and crew and now varsity teams.

A provision for insignia for the

new varsity teams is also made, but says only that it shall be determined through discussion between a women's representative and the Varsity Club subject to review by the MITAA Executive Committee. The seat for the Association of Women Students on the Im Council, already agreed upon by that body, is formalized in this resolution.

Three-year trial

The final section gives the resolution a three-year trial period. It provides for a review at the nomination's meeting of 1970, at which time it will be either passed by a three-quarter's majority or be declared null and void. An affirmative vote would make this resolution a constitutional amendment.

Also discussed at this meeting were the nominations for next year's AA officers. The only nominees at this time were: president, Gerry Banner '68; secretary, Jim Ynakaskas '69. It was announced that elections for the AA offices, as well as the managers council will be on February 23.

Auerbach to speak

Varsity Club president Rick Gostyla '67 announced that the featured speaker at this year's varsity club banquet will be Red Auerbach. It was also a reported possibility that several members each of the Celtics, Red Sox and Patriots would attend.

Secretary Gerry Banner announced that booklets on the various club sports around school would be coming out next week. These would describe what each club does, the extent of the season, and give any other pertinent information.

JV cagers lose to Crimson five

By Steve Weiner

In a return contest the Harvard JV outdistanced the Tech JV by a score of 65-52. Avenging last month's 61-58 setback, the Crimson fledglings broke away from the engineers early in the second half despite a 19 point effort by Alex Bash '68.

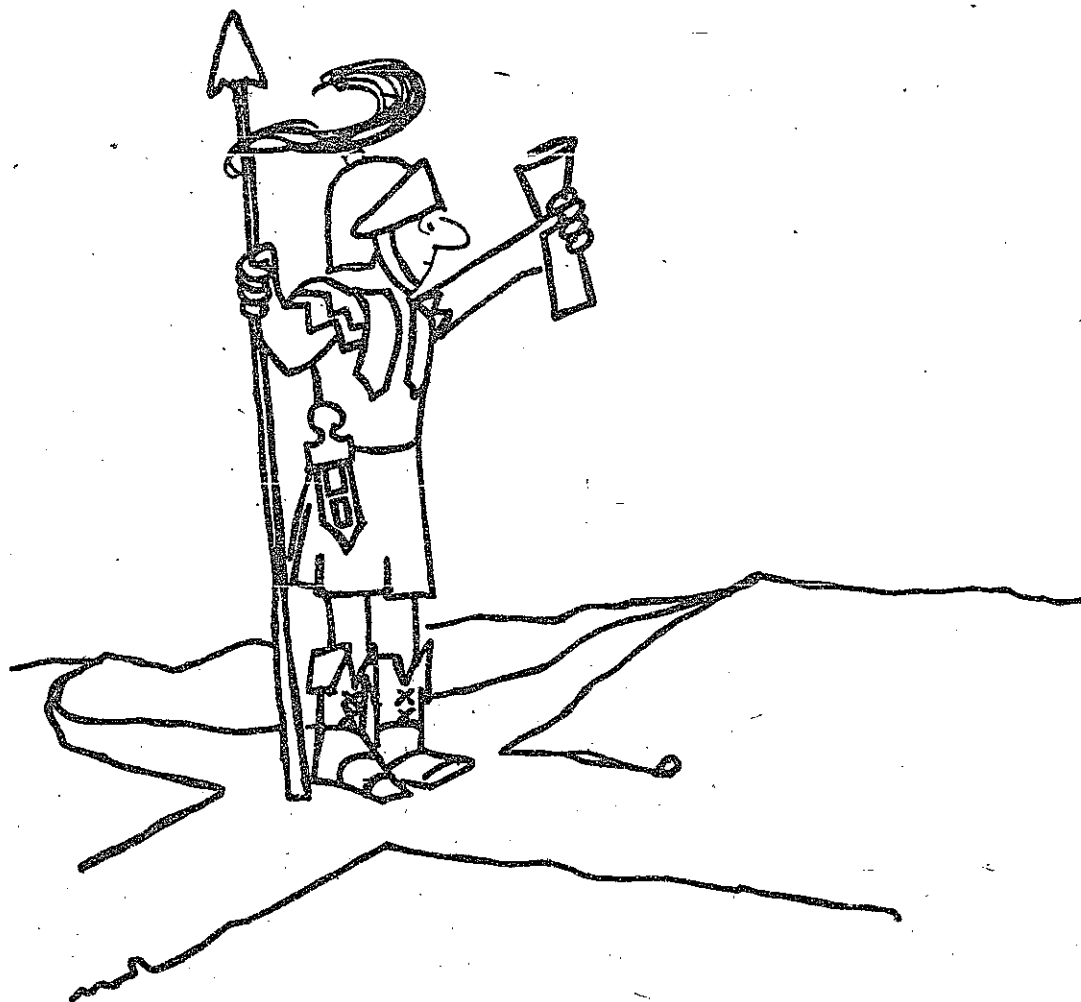
The first half witnessed slow and sloppy play for several minutes. Finally the visitor's Roy McCullough caught fire and went on a ten point scoring spree. The Tech offense also began to roll as Dan Santini '68 swished a jumper and Bash banked two and sank a pair of free throws.

Harvard pulled to a six point lead, but Steve Derodeff '68 made good on two layups and a charity toss to close the gap. The Crimson registered eight while Santini hit three from outside to raise the halftime count to 25-22.

Harvard exploded early in the second half to pull to a ten point lead which they kept the rest of the game. Tech stayed within striking distance as Greg Jerrel '67 and Bob Listfield '69 each tallied four. Bash then went on a spree which countered the Crimson's steady scoring. Alex hit on two nice drives, a follow-up, and four free throws.

Harvard gained a sixteen point advantage before Santini sank two jumpers to put the final count at 65-52.

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The Benchwarmer

Cagers face NU tonight for NCAA regional berth

By Paul Baker
Tonight, perhaps the most important event in the history of MIT athletics will be held in Rockwell Cage. The engineers basketball team faces the powerful Northeastern University Huskies in the game of the year. At stake is a possible berth in the NCAA regional playoffs.

Despite impressive records, never before has any engineer squad had even a chance for an invitation to attend the NCAA tournament. This year, the old drawback of a weak schedule does not exist, as Tech has compiled a 15-3 record including a ten game winning streak against many of the finer small college teams in the area. An MIT win tonight would give Engineers an excellent chance to receive an invitation to compete in a playoff with three other New England teams. The winner of this playoff will then face the New York-Pennsylvania champion to decide this region's representative in the national tournament. This game is equally important to Northeastern. A vic-

tory would virtually assure them of an opportunity to compete in the tournament.

Home court for Tech
Playing on their home court, Tech should have the psychological advantage. Northeastern fans, however, are notably loyal supporters of their team. At the Boston College game, played at BC, Northeastern had more fans present than Boston College, the number ten ranked team in the nation.

An article in Saturday's Globe, accusing MIT of planning to keep Husky fans outside, is a further incentive for Northeastern supporters to amass in the bleachers early. Due to the small seating capacity at the Cage, Husky fans will probably fill the bleachers by 6:15, the starting time of the freshman game . . . if we let them. The only way to prevent this is to arrive before the freshman game begins. Don't let our team down, come to the game, be there early, and show the engineers that they have our support.

Squash team tops Trinity; registers four shut-outs

The MIT varsity squash team resumed its 1966-67 competition Saturday, after a month's layoff. The Techmen were host to Trinity and came away with a 7-2 victory. The Beavers also had a match scheduled against Seton Hall Friday, but due to poor travelling conditions, the match had to be postponed. It is rescheduled for Tuesday night, February 21.

The Techmen played well against Trinity, winning four of their contests by 3-0 tallies. Ken Wong '68, playing as number two man, Joe Ferrara '67, number six man, Geoffrey Hallock '69, number eight man, and Joel Morgenstern, number nine man, all whitewashed their opponents. Bill Klein '68, playing as num-

ber seven man and captain Chye Tantavit '68, the number one man, each needed four games to vanquish their opponents. In Chye's match against Dave Craver, Chye kept Craver running constantly. Chye won 15-10, 10-15, 15-8, 15-12.

Bob Melanson '68, the number four man, made a fine comeback in his match. Playing Mal Hayward, Bob lost the first game 17-14, won the second 15-1, and lost the third 15-11. After a 5 minute break, Bob completely overwhelmed Mal, taking the final games 15-2, 15-8. Eric Coe '67, number three man and Pete Hurley '69, number five man, suffered the only losses of the day, Eric 3-0, and Pete 3-2.

Three records broken

Swimmers edge Trinity

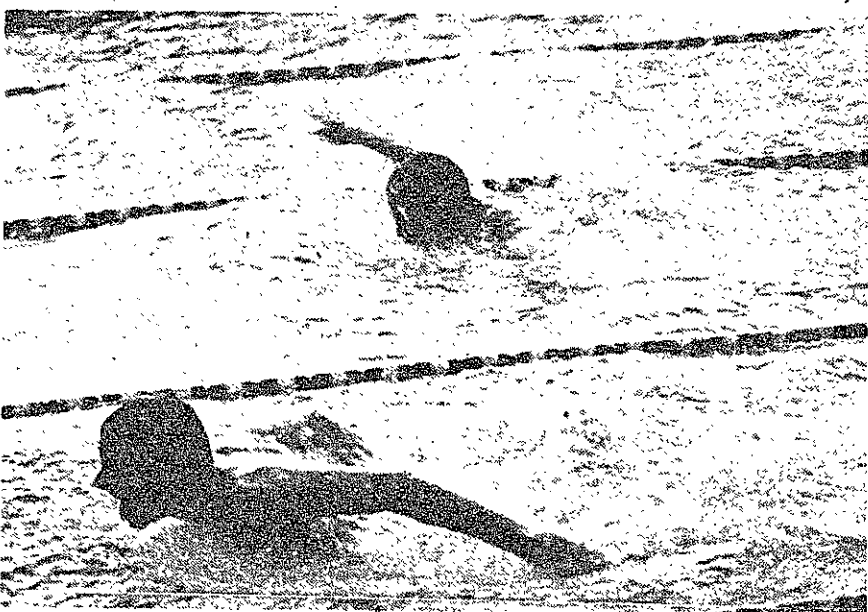


Photo by Dale Stone

Lee Dilley '69 pulls ahead in the 200 yard butterfly against Trinity's Voglesang. Dilley eventually won the event, breaking the varsity record by four seconds to help the mermen to a 50-45 win.

By Jeff Goodman
MIT's swimmers increased their season's record to 6-2 by defeating Trinity College 50-45, Saturday, at Alumni Pool in a meet marked by three broken varsity records.

Luis Clare '69, Larry Preston '68, Steve Mullinax '69, and John McFarren '68 were edged out by less than a stroke by a Trinity 400 yard medley relay. McFarren started his anchor leg almost two lengths behind and finished even in an unofficial time of :49.4.

Lee Dilley '69 won the 200 freestyle in 1:57.7 to put Tech on the scoreboard. Mike Crane '67 and Tim Merrill finished two-three in 50 free behind Trinity's Wright.

Three records broken
The engineers were behind now 16-9 but slammed Trinity in the next two consecutive events to move ahead by seven. Clare and Bill Stage '69 swept the 200 yard I.M. Then Dan Gentry '68 and Pete Amstutz '67 placed one-two in the diving. Gentry put on a beautiful exhibition racking up

Hoopsters trounce Wayne State

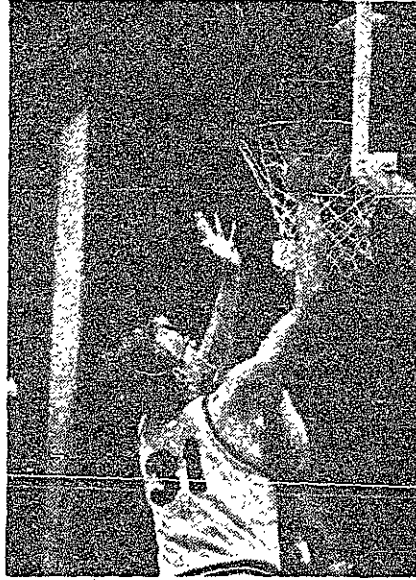


Photo by George Flynn
Alex Wilson '67 goes up for the shot against Wayne State. He kept this up all night in leading the engineers to the win.

By John Kopelow
The varsity cagers romped to their tenth straight victory and fifteenth in 18 games this season as they defeated Wayne State last Saturday night by a 71-52 score. The contest served as an excellent preparation for their crucial encounter with Northeastern tonight in Rockwell Cage.

The Beavers were unable to take command of the game until the second half, which began in a 29-29 deadlock, as they were hampered by cold shooting in the first stanza. Guard Roy Talus '67, who was given the starting nod by Coach Barry, sparked his club in the early going accounting for 5 of their first 7 points. MIT built up a 19-13 lead but then cooled

off, and Wayne State fought back to tie at 22-all on the strength of two long jumpers by their leading scorer, Marty Letzmann. Fine defensive play by Bob Hardt '67 and Dave Jansson '68 continued to plague WSU, but Tech still couldn't get untracked offensively in the remainder of the half.

Defense rattles WSU
After the intermission the Beavers aggressive defense pressured their opponents into bad passes and erratic shooting so that Wayne State could manage only three points in the first seven minutes of the half and only one field goal in the first ten minutes.

The cold shooting hand of Jansson was compensated for by Captain Alex Wilson '67, who maneuvered well underneath against WSU's zone. His 3-point play with 14:42 left gave MIT a 40-32 lead. They continually out-hustled the visitors for loose balls and gradually compiled a 60-40 advantage with just 4:55 to go. Reserves played out the final minutes quite effectively showing the polish they've acquired as the result of playing experience obtained in recent MIT routs.

Wilson paced the Beavers in both scoring and rebounding with 19 points and 11 rebounds. Jansson tallied 17, Hardt 14 and Talus 9.

Face Northeastern tonight
An upset victory over Northeastern tonight would virtually ensure for MIT their first invitation to the college division NCAA regionals.

Nordic skiers finish first in ELSA Championships

By Rich Rosen
The MIT skiing team captured first place in the cross-country event at the Eastern Intermediate Intercollegiate Ski Association championships held at Norwich College in Northfield, Vt. The Tech team was 8th in the downhill, completing the first day's competition. Final results are not yet in for the second day events, but Tech finished somewhere in the middle of the 10 teams in the slalom, with undetermined results in the jump. This should give MIT a 4th place overall finish.

Helge Bjaaland '67 won the cross-country as Tech placed 4 men in the top 20. Dick Haberman '67 was 8th, Doug Cale '69 was 9th, and Paavo Pyykkonen '67 came in 19th. This is certainly the big event of a successful season for the cross-country skiers, and caps a fine year for Bjaaland. Colby, Army and Yale followed MIT in the standings. The downhill squad met with some misfortune as Rik Anderson '69, a top prospect who was expected to do well, fell and was disqualified. Haberman's 26th was the best the team could do, leading to their

8th place finish. New England College won the downhill, with Colby second and Yale third.

In the slalom, poor snow conditions led to many falls and missed gates. As in the jump, no results are available yet, so the final outcome is still in doubt. This weekend the skiers travel to Williams for the EISA Senior Championships, another 4-event meet. The cross-country racers, led by Bjaaland, figure to challenge the top teams once again in this competition.

Down PGD, Burton A

LCA, SAE advance to IM finals

By Joel Hemmelstein
Semi-final action saw Lambda Chi Alpha and Sigma Alpha Epsilon advance to the finals in IM basketball. The Lambda Chi's took advantage of a strong defense to soundly trounce Burton "A", 52-35, while the SAE's edged the Fiji's on Ted Nygreen's '67 two free throws.

The half saw the Lambda Chi's ahead by 14. The Burton team was troubled by a lack of aggressiveness, as well as the driving lay-ups of Chit Chotkowski '67 and the defensive moves of Travis Gamble '67, both of LCA.

The SAE-PGD game was another story, as it was see-saw all the way. The half saw the game knotted at 24 all. With 32 seconds left, the SAE'ors were down by one. Nygreen then hit on two free throws. The Fiji's brought the ball back, but missed their shot. Don Rutherford '67 then drove in for a layup for SAE, making the final score 48-45, SAE.

Fiji's upset AEP1
In the quarterfinals, the Fiji's struck fast to upset tough Alpha Epsilon Pi five 58-35. Walt Maling '69 and Don Baron poured in 21 and 19 points respectively for the winners. Jumping to an early lead, PGD gained momentum and controlled the outside shooting to achieve victory. The Pi's ran into foul trouble and lost high scorer Gerry Banner '68 (9). The competence of the winners from the charity stripe played a distinctive role.

SAE downs PDT
In other action SAE trounced the Phi Deltis 66-45. The lead saw-sawed back and forth throughout the first half but SAE managed a seven point lead at the end of two periods. However, the SAE'ors surged onto the court in the third quarter and initiated a devastating press which enabled them to outscore the Phi Deltis 20-3. Denny Matthies '68 proved inspirational as he stole the ball

repeatedly. In fact during a stretch of twenty seconds he netted six points.

Matthies totalled 25 and continued his role as playmaker. Ted Nygreen '67 supported the attack with twelve counters. Phi Delta Theta was led by Rich Hoff '67 (10) and Neil Clark '68, who sunk five from the foul line to tally nine.

Burton "A" wins by forfeit
Burton A also proceeds to the semi finals as the regularly scheduled game between it and Beta Theta Pi had to be forfeited because of prior arrangements. Burton, favored in the tournament, was apprehensive about the Beta contest.

Other games saw Baker A edge Burton B, 38-36 and Delta Upsilon succumb to Theta Delta Chi 42-38. Dave Moser '69 hit for fourteen to lead Theta Delta Chi, but Ed Jones '68 took game honors with eighteen points. In the Baker-Burton conflict Mark Lavine's '69 17 points proved the difference.

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