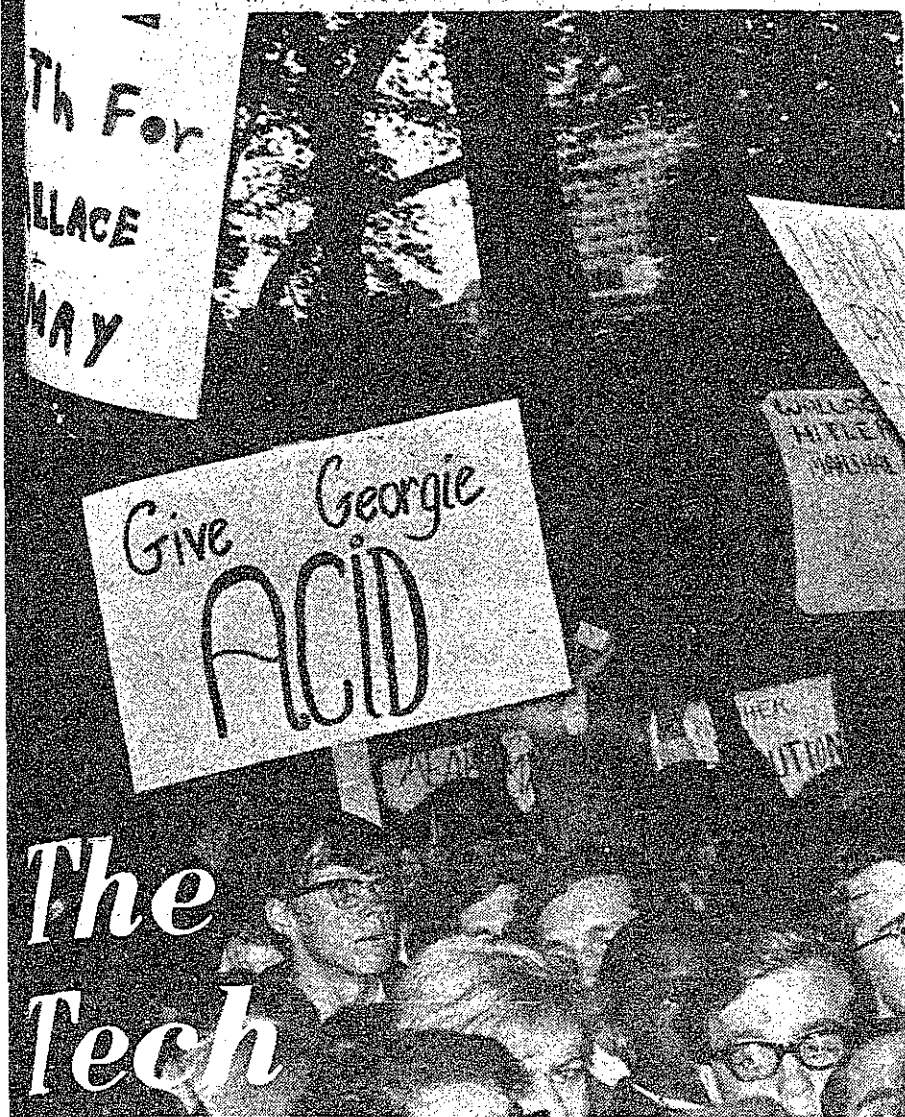




The Tech

Vol. 88 Number 35 Friday, October 11, 1968 Five Cents

Rebel slate of officers seeks new Coop policies

Opposition to the nominations for Coop officers for the coming year has resulted in the formulation of a second slate of nominees which will be presented at the election meeting October 20. Traditionally the slate elected is presented by the stockholders, officers, and directors. The new slate however consists primarily of students from Harvard with representation from Radcliffe and MIT.

Community orientation

Action towards drafting a second slate of nominees was started by the Phillips House at Harvard. Wesley Profit, president of the group, told *The Tech* at the time was right for students to exercise their option to take part in the elections. "Our primary aim," said Profit, "is to make the Coop more active and responsive to the community around it." The new slate of nominees has proposed several ways in which the Coop might become more community oriented. Hiring policies in particular have been singled out as the greatest offender. There are at present few Negro salesmen and no Negroes in managerial positions. The new candidates propose job training sponsored by the Coop for its own potential personnel as well as for the training of people who might eventually work elsewhere after suitable training. They also propose using some of the Coop's surplus money (i.e. funds that would go towards membership rebates) to help community housing and education by simply giving members a smaller per stage rebate. Finally, a proposal has been made to unionize Coop personnel who are known in some cases to receive as little as \$1.45/hr. All such attempts in the past have been met with strong reprisals from the Coop. "Community reaction to these proposals," says Profit, "have been extremely favorable."

Student posts

There has been considerable concern over how student posts on the present slate were selected. Apparently standard procedure has been for Dean William Pounds of the School of Management to select an outstanding student from the classes to be represented on the slate. The nominee's names must then be approved by the office of the Dean of Students and the UAF after which they are placed on the slate. The inequities inherent in such a system have also placed this high on the list of targets for revision in the months to come.

Refunds available

Whatever the outcome of a possible election fight, patronage refunds for purchases made during the fiscal year ended June 30, 1968 will be available (please turn to page 11)

Samuelson views economy

By Bob Dennis

Professor Paul A. Samuelson of the Economics Department discounted the gloomy predictions of many of the contemporaries Tuesday afternoon as he spoke in the lecture hall of the University of Puerto Rico before about 350 students from the Harvard Business School and the Sloan School of Management.

Appropriate speaker

As Dean Abraham Siegel of the Sloan School noted in his introduction, Professor Samuelson was an appropriate speaker for this, the first in a series of joint meetings between students of the two schools, since he had received his Ph.D. from Harvard and gained national distinction here at MIT, where he now holds the esteemed position of Institute Professor.

Professor Samuelson began on a humorous note, stating that he had no reservations about disclosing his economic outlook since, at 4:15, the stock markets were already closed and would not open again until Thursday. After chastising his fellow economists who preface their forecasts with "This is an unusual year," he then himself stated, "But this is a REALLY unusual year!"

The "fashionable" view

He discussed how it was the "fashionable" view for these economists who cried that the economy was badly overheating earlier this year to now express fear that the tax charge-budget cut act might bring about an overkill. They ominously foresee such recessionary processes as increased unemployment (from 3½% to over 4%) and an erosion of profits.

Professor Samuelson offered three reasons for his stand

against this standard forecast. First, federal expenditures cannot be accurately predicted; he related how, in "this secretive administration," even some government economists were not completely informed on actual developments. Second, the money supply grew rapidly in July and the Federal Reserve seems to be continuing this trend. Last, retail sales have been better than expected—the tax increase has yet to show any pronounced effect in this area.

(please turn to page 10)



Paul L. Samuelson, Institute Professor, discussed the fashionable and unfashionable views held by economists about this "REALLY unusual year."

Protesters face Wallace in massive Common rally

By Joseph Kashi

George Wallace encountered the largest crowd of his campaign to date as he finished a New England campaign tour with a 5:30 rally on the Boston Common Tuesday. A rush hour crowd of about 15,000, the majority demonstrating college students, jammed the area around Parkman bandshell to hear the third party candidate for the Presidency speak.

Estimates placed the Wallace supporters in the minority, as shouts of "Sieg Heil," "Go Home," and "Fascist Pig" occasionally drowned Wallace's speech in the front rows. No New issues or proposals were evident in Wallace's speech which followed the standard fare of "Law and Order," national defense, and repression of "anarchy."

Wallace continually heckled

Loudspeakers had been placed somewhat to the rear of the main body, as it was filled with anti-Wallace demonstrators. The heckling reached its greatest height when Wallace said, "When I'm elected President, I'll put an end to this anarchy."

The outer edges of the crowd consisted mainly of working people stopping by during the rush hour. Random sampling of this group indicated that most had merely come to hear the American Independent Party candidate, and didn't necessarily support George Wallace. The demonstrations during Wallace's speech were generally confined to heckling which appeared to have started spontaneously, although many orderly

demonstrations had been planned. Attempting to counter the heckling, Wallace retorted, "Let me autograph your sandals" and "I can dish it out too."

College students predominate

A large group of protestors from the Resistance, the majority of them from BU, conducted a sit-in near the center of the crowd, obstructing the movement of a number of Wallace supporters and those Wallace signs which were in evidence were large professionally-printed. Small groups gathered around a number of Wallace supporters, and several minor scuffles ensued.

Among the colleges which had large contingents present were MIT,

Harvard-Radcliffe, Emmanuel, Northeastern, and BU. Several MIT demonstrations had been organized, and a spot check revealed that others had gone down by themselves. Random polling indicated that the students had a number of reasons for attending the rally. "Curiosity" was perhaps the most common, although many complained that they had been unable to hear anything. Also prevalent was the feeling that the students had a moral duty to demonstrate because "I detest everything the man stands for." Among other reasons for attending were "See a modern Fascist," "Heckle Wallace, so that he gets a feeling of the opposition to him," "I came to laugh a lot and be (please turn to page 9)

Wallace succeeds in Hub confrontation

By Steve Carhart and Carson Agnew

George C. Wallace came to Boston to be heckled, and he was not disappointed. Thousands of students could not resist the temptation to demonstrate their revulsion toward the man who is at once the most ridiculous and the most dangerous force in American politics, and by turning out they may indeed have given Wallace the "million votes" he claimed.

Appears respectable

Wallace, throughout his speech, tried to appear respectable. He carefully laid the groundwork for his role as the Defender of Americanism from the hordes of unwashed anarchists and Communists by elaborately conceding the heckler's right to dissent. But he would then provoke the crowd by using phrases he knew would make them react (such as his repetition of the phrase "when I become President"), and direct the press and other media present to focus their cameras on some of the less washed demonstrators near the platform. Surprisingly, the press obeyed his orders.

So, all across the country, the television shots show shouting, leftist students (please turn to page 9)



Boston police and student demonstrators.

Photo by Jonathan Borschow

**REMEMBER
THING '68**

Universities invited

City asks housing meeting

The presidents of Harvard and MIT were asked to meet with Cambridge residents in a special session of the Cambridge City Council to discuss the crisis in Cambridge housing for the elderly. The Council made the request at its meeting on the night of October 8.

Luke Agneta, Vice-Chairman of the Co-ordinating Committee, told the council that MIT had agreed promptly to a request for the meeting. He related, however, that President Pusey of Harvard had written that he and the Fellows of the University "do not meet with groups outside the University."

Special meeting

Date for the special meeting of Coordinating Committee with City Council has been set for Tuesday, October 15, at 7:30 pm in Cambridge City Hall. The meeting is open to residents of Cambridge. At the meeting, the Council will act on four requests by the Committee:

McGeorge Bundy will be featured guest at the Second Karl T. Compton Seminar October 16 at 7:30 pm in Kresge. Dr. Max Millikan will be moderator, and panelists include Ithiel deSola Poole, Noam Chomsky, and Eric Hansen.

Tickets will be issued Monday at 10 am in the Lobby of Building 10, two to a customer, MIT ID required.

"1. That the City Council require universities and other non-profit institutions located in Cambridge to make public their plans for the future growth and development of their facilities.

"2. Resolved that there be a moratorium on the sale or transfer of all land owned by the City of Cambridge until such time as a survey on the need of housing be completed and recommendations implemented.

"3. That the City Council direct the appropriate public agency to develop an inventory of all land presently vacant, unimproved, or underdeveloped, and that the Council adopt in regard to such land the public policy that where the development of such land falls within the jurisdiction of any public body, such as the Cambridge Redevelopment Authority, the Cambridge Zoning Board of Appeals, etc., the public body in its deliberations shall give first preference to the development of low-cost housing for the elderly on such land and shall explore every means of fostering such development.

"4. That the City Council explore every means of using its legislative and taxing powers to aid the development of low-cost housing and to curtail the escalation of rents in Cambridge, and these means shall include rent control, inverse taxation on unimproved land, zoning ordinances, etc."

To local races

Peace workers shift aim

By Jim Roxie

Wednesday evening a group of MIT McCarthy supporters met in the Student Center to discuss possible courses of action they could take in the campaign. Since McCarthy refuses to run as an independent, the emphasis has shifted from support on the national level to support on the local level for those candidates whose views resemble McCarthy's.

Chandler Stevens, an independent liberal running for Congress, has received the backing of this infant organization, the Political Action Committee. The PAC is a coordinated effort by students of five area campuses— MIT, Harvard, BU, Brandeis, and Tufts.

Movies planned

To raise funds for their candidates, members of PAC will show a movie, "To Die in Madrid," at all five campuses. Accompanying the film will be two shorts on Kennedy and McCarthy.

With the funds they raise, they will conduct a vote-raising campaign with a four-step plan. Advertising starts the show with 5,000 posters and 15,000 letters being circulated to local students. On weekends during October, the PAC will canvas the district with 200-300 students which they will pick up in rented busses from participating

colleges. After a day of political questions and answers the PAC will hold a mixer for all the students involved.

Rally planned

On October 25, there will be a rally featuring Eugene McCarthy and other political figures backing Stevens. Back on the MIT campus, the PAC will run

an information booth for their campaign, selling tickets for the rally and trying to sell their candidates to the public.

To run the booth, distribute posters, and plan the campaign, the PAC needs about 40 active members on campus. Alas, only 20 turned out for the meeting.

Coop readies refunds, fights shoplifting

(continued from page 1)

Monday at the cashier's window of the Tech Coop. The rate of refund will be 8% on cash purchases and 6% on charge purchases, in contrast with the upper limit set June 30, 1968 of 9% and 7%. Al Zavelle, general merchandise manager of the Harvard Cooperative Society told The Tech that the discrepancy resulted from an Internal Revenue Service rule that requires all cooperatives to post their maximum rate of patronage refund before the end of the fiscal year when actual earnings cannot be determined. According to

the Coop's bylaws, the rebate paid may not exceed the year's earnings. Since payment of the maximum rate would violate this bylaw, the Coop was forced to pay the lower rate.

Shoplifting

The Coop has long been plagued by shoplifting. According to John Morrill, general manager of the Coop, the Coop is stiffening its antishoplifting measures. The campaign includes such measures as closed-circuit in conjunction with this, the Coop is also attempting to reduce internal theft and accounting errors.

National debate tournament to be sponsored by Institute

MIT will host its annual National Intercollegiate Debate Tournament this weekend. Starting Friday night fifty teams from thirty schools will begin eight qualifying rounds. The sixteen teams with the best records after these rounds will compete in single-elimination rounds starting Sunday morning. Interested students are invited to attend the Sunday rounds beginning at 9:00 am in the MIT Student Center.

The MIT tournament is the first national tournament of the season; the best college teams in the country will be participating, including: University of Southern California, Northwestern University, Oberlin College, University of Houston, and Harvard University. The teams will debate the resolution, resolved: that executive control of foreign policy should be significantly curtailed.

The contests will be judged by critics from participating schools, qualified Harvard Law and Fletcher School students. Being the host school, MIT will be ineligible for awards and will not compete in the elimination rounds.

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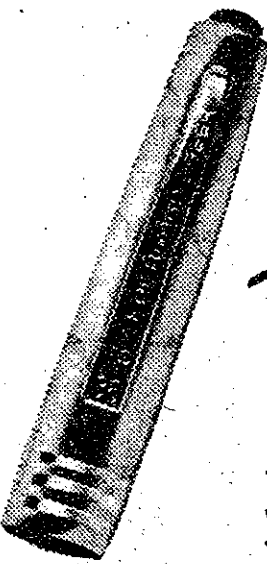
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Braden urges organization of lower-income groups

By John Dulcey

"The only way to crack this situation," stated Carl Braden to a small group Tuesday evening, "is to organize the lower income people. Poor blacks and poor whites must work together." The situation is racism and poverty; the man is the director of SCEF - Southern Conference Educational Fund.

Starting with his topic of "White

Man's Stake in Black Liberation," Braden listed the press and government as the chief impediments to freedom for all Americans. For example, he cited the voting block of Southern senators who he says stop social welfare to common people. He accused the news media of withholding and slanting news about the Liberation movement. The media, he explained, are trying to get the public to oppose the movement. The reason, he says, is

that they know the Black liberation movement is making this a democratic society

Wallace counterrevolution

He also attacked George Wallace for being the spearhead of a counterrevolution. "Wallace wants to build a right wing base, he is pulling the American political spectrum to the right." Illustrating his talk with parallels to the Hitler movement, Braden noted that "Wallace has selected his goering in LeMay."

The way to stop the movement and to get democratic control, said Braden, is to organize. The lower income people must be organized into an effective power. Within past ten yrs. rudiments of the organization have been manifested in numerous organizations such as the SDS, SNCC, CORE and Braden's own SCEF.

"Organize"

After a brief history of SCEF, Braden proceeded to outline two main projects: to organize the 10,000,000 people in the Appalachian Mountains. 10% of whom earn no income at all; and GROW - Grass Roots Organizing Work. For these tasks, Braden is seeking 50,000 organizers. They will



Photo by Jonathan Borschow

Carl Braden, Director of the Southern Conference Educational Fund, spoke in the Student Center on the current activities of the SCEF.

recolonize the South, and finally, according to the plan, takeover the majority of Congress.

Once in power the new organization would limit profits of corporations to five-percent. This five percent ceiling is all that Braden feels they need for operation. The remainder of the profits would be taxed for welfare projects,

such as raising the minimum wage to three or four dollars. This would raise the yearly income to \$5,000.

In answer to how the North can be organized, Braden stated that the first step is to study the present system in the Boston area. When the interplay of the forces in power is precisely known, his organization will send experts in organizing the movement to the metropolitan area and discuss the means of achieving it with any interested group of persons. They, through a series of work shops and discussion groups, will then be prepared to take over the positions of authority with the support of the common people. Thus, the organizing will eventually lead to a democratic control similar to that in Sweden but greater in extent.

The two-hour talk and discussion is one of Mr. Braden's stops on a tour of the New England states. He has visited the central Massachusetts campuses of Amherst, Smith and University of Massachusetts, and is now heading for New York. He will speak again at the Institute on October 16.



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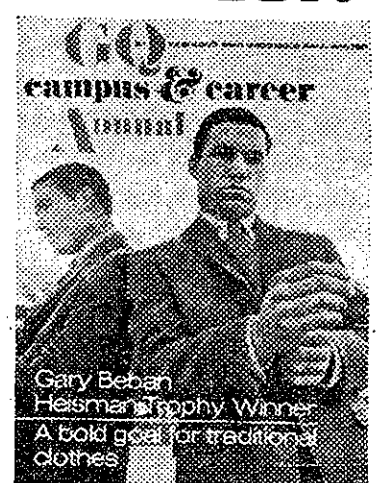
3 Next, insert the lager tap in the lower valve of the keg and give it a quarter turn. Now, set the keg upright in a tub and pack ice around it.

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Soviet Jewry

Next Monday evening at sundown marks the inauguration of the Jewish holiday of Simhat Torah (rejoicing of the Law) which carries a special significance for the Jews of Russia. Every other day of the year they suffer persecution, discrimination, and oppression with nary a whimper in reply, but on this day, Soviet Jewry, especially youths of high school and college age openly demonstrate their defiance of authority and unwillingness to succumb to the spiritual genocide being inflicted on them. For the last several years, young Soviet Jews have flocked to the few remaining synagogues (over 30,000 came to the Moscow synagogue alone last year) to celebrate this holiday by singing and dancing as Jews do around the world and to show their rulers that the spark of Judaism is still burning within them. To understand the significance of this act, one must appreciate what it means to be a Jew in the U.S.S.R.

Jews have a singular status under Soviet law. All other people within the Soviet Union are classified by nationality (i.e. Ukrainian, Uzbek, Russian) while the Jews are classified as being both a religious group and a nationality. Thus, they are immediately singled out by the word "Ivrei" on their internal passport. If they were treated as just another nationality, this might be acceptable, but they are not. There is not one remaining Yiddish theater, daily newspaper, publishing house, or school within the Soviet Union, whereas prior to Stalin's purge of leading Jewish intellectuals in 1948 the Yiddish culture flourished. There is a once-in-awhile monthly magazine, called "Sovietish Heimland", which spouts the party line in Yiddish. The number of synagogues decreased by a factor of approximately 10 (500 to 58) from 1956 to 1967.

Thus, there is one synagogue for each 50,000 Jews remaining in the Soviet Union (that's about like having 20 churches for all the Catholics in the Greater Boston area). No religious artifacts, especially prayer books, have been produced and distributed in the Soviet Union since 1921. Other religious groups fare much better inside the Iron Curtain so it cannot be said that this is merely an expression of general religious repression. Nationality groups with 150,000 member or less for instance the Kazakhs, Uzbeks, or Gypsies, as contrasted to 3,000,000 Jews, are encouraged to maintain a national theater, daily newspaper, schools and to publish prolifically. Many Jews were among the leaders of the Bolshevik Revolution in 1917 and the Communist Party in later years. In the last two decades they have all somehow mysteriously disappeared. One general, one physicist (the late Lev Landau), as well as a few others, were allowed to remain in their position and serve as showpieces. There are only 24 Jewish members of the Supreme Soviets and legislatures of the 25 Soviet republics and autonomous regions where Jews used to be quite active in local and national politics. At one time, upward of 20% of the enrollment at universities and other institutions of higher learning was Jewish. Now the percentage of Jews enrolled at such groves of academe has shrunk to below their percentage of the total population. It is becoming increasingly difficult, precisely because of this educational discrimination, for Jews to enter professions, the military, and the diplomatic corps, or to other top level positions within the Soviet Union. In the few instances when Jews are arrested for crimes, the names and addresses of the Jew's family, relatives, and friends are published. This is not done to persons of any other nationality.

The situation has become increasingly worse since the Arab-Israeli War of 1967. In addition there has been a violent outbreak of vitriolic anti-Semitism in Poland which for a number of years had followed a laissez-faire policy toward its Jewish citizens. We find Jews being slowly eliminated from the minds of the Soviet citizens through the simple expedient of not mentioning them in the press and vigorously discriminating against them in education, employment, cultural, and religious affairs. This situation is the classical prototype of the manner in which a totalitarian society prepares for the elimination of an unwanted segment of the population.

This is precisely what Hitler did in the 1930's and 1940's even though his goal was physical extermination whereas the goal in this case appears to be spiritual genocide. At that time, the American public, from President Roosevelt on down did nothing but sit on its collective hands in apathetic silence. The plain, documented fact is that the American government did not lift one finger to save a single Jew in World War II even when it could have done so without jeopardizing the safety of our fighting men at the front. Twenty-five years later we find ourselves acquiescing in the commission of the same crime of silence which our parents committed. It is time, long past the right time, for all of us, Jew and non-Jew like, to speak out in one unified voice.

There is a rally being held on the Boston Common this Sunday afternoon, October 13, at 2:00. The rally will begin on the steps of the State House and proceed to the Parkman Bandstand. This is not an anti-Communist venture, but rather a pro-Soviet Jewry effort. We think it is time for the students of this campus to speak out and break the bonds of silence. We urge you to attend the rally for Soviet Jewry this Sunday.

Peter Peckarsky '68

For MIT Hillel

Pickets

Two of the three major contenders for the Presidency have now visited Boston. Both of them have received greetings marked by shouting, picketing, and heckling. The third candidate is scheduled to visit the city on October 14. The equal time rule should be applied to this situation.

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College World

By Greg Bernhardt

"To be a radical in Minneapolis, Minn. is a contradiction in terms," observed a member of the Students for a Democratic Society at the University of Minnesota. Agreeing with him were two writers for CBS television who were preparing a documentary on the angry young student. After spending two hours with campus leaders trying to unearth the issue that would start the revolution at Minnesota, one of the writers finally exploded: "Well, just tell me one thing. They do have sex here, right?" And the meeting ended up with an argument about whether a national Students for Wallace campaign would be an effective radical strategy.

Speaking of Wallace, the Alabama wonder in a New York Times interview stated his views on nuclear proliferation: "Well, of course, I think it would be good to stop the proliferation of nuclear weapons. But of course, the signing of a treaty doesn't necessarily mean the Communists will abide by the treaty, because they will proliferate if they want to and nonproliferate if they don't want to proliferate."

The New England colleges were surveyed by some outfit called the College Rater. Ranked solely on the basis of ability of students and faculty, the survey listed in order Harvard, Yale, Wesleyan, MIT, Amherst, Williams, and on down the line. Wesleyan? Come on now, boys...

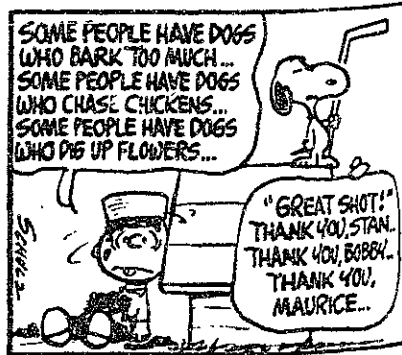
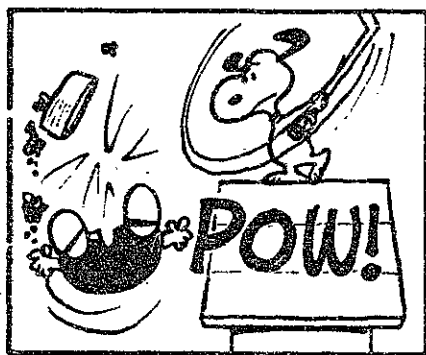
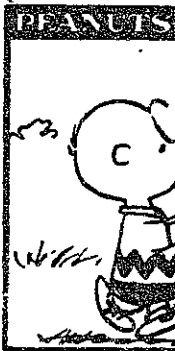
The University of Texas has installed a telephone Emergency Counseling and Referral Service. Manned seven days a week and twenty-four hours a day by trained

counselors, the service answers questions dealing with directions to buildings, lost ID cards, sexual problems, and other everyday items. During the first five months of operation, the service received 6,324 calls.

Student involvement hit the University of Maryland hard last week. Darryl Hagy and several other members of the Student Government Association conducted the first SGA Press Conference. Speaking to an audience of 4 students, 2 reporters, and 1 photographer, Hagy opened the meeting by saying that "Nobody can change the world today as well as the students."

With all the men's schools finally admitting co-eds, leave it to Vassar to turn the tables and decide to admit men. After the proposed "marriage" of Yale and Vassar was aborted, the college trustees chose to integrate men completely into the Vassar educational scene by 1975. The plan, not yet formally adopted, calls for a student body of 1200 men and 1200 women. Tough luck for the Yalies...

And finally, the University of Minnesota Daily won a battle of its own against censorship when the Board in Control of Student Publications adopted a "hands off" policy in regard to the paper. The incident stemmed from an issue covering in detail a demonstration in which four-letter words appeared in both the article and a picture of the event. In the decision, the Board stated, "We have faith in the maturity and judgement of students. We do not believe they are going to be corrupted by an honest attempt to report an event, however distasteful."



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Prof makes it big in biz

By Dean Roller

The Bose Corporation of East Walpole, Mass., has recently stunned the audiophile world by introducing a new concept in speaker systems. Chairman of the Board is Dr. Amar G. Bose (VI), who founded the company some four years ago to explore the two facets of the field that have been the center of his research at MIT since 1956, acoustics and power processing.

New innovation

The Bose 902 speaker system has been given top ratings by all hi-fi magazines. Each speaker encloses nine inch speaker cones, eight of which are located at the back. In addition there is an electronic equalizer, which is a small control box that adjusts the balance of high and low tones. Having most of the speakers in the rear results in the listener hearing the sound off the walls rather than directly, a sort of concert hall effect. The Bose speaker was one of two major "hits" at the Institute of High Fidelity Music Show in New York last week.

Prof. Bose founded the company in 1964, citing as his business philosophy,

"Ultimate success is based primarily upon people and I have gone all out to get the best." Bose credits the new innovation in stereo systems to the quality of his employees, a very large percentage of whom are MIT graduate students. In several ways, Bose feels he has a recruiting advantage over most companies because of his teaching duties which allow him to detect young talent. "It's not a matter of money that attracts bright young men, it's the challenge."

Business philosophy

For sometime Bose has believed in the philosophy that "superiority" is always the mark of the small company rather than of the large business concern. He reasons that the greater the margin of superiority, the less trouble a new company runs into early marketing efforts. In addition, since among the competition are giant companies such as TRW and Westinghouse, the only way a small company can survive is on better ideas.

No financial troubles

The Bose Corp. has already acquired several government contracts

relating to high efficiency power processing, which includes apparatus such as amplifiers, inverters, and converter regulators. The company also has substantial hardware contracts from which it expects to make its most substantial financial gains. Last January, Bose speakers first came off the production line. The pace is now up to one every five minutes. Thus far the corporation has faced no financial troubles and demonstrates no need to go public. It has 75 stores in 25 states among its list of outlets and is in the process of looking for expansion space from its present site of two buildings.

Dr. Bose reports that the whole venture had an interesting beginning. While writing his doctoral thesis, Bose decided music would be very helpful. After buying equipment according to specifications he found the sound to be distasteful and concluded there was a definite need to end the stagnation that had settled upon the field. The success of his decision to enter the business is attested to by the speakers rolling off the assembly line and the money rolling in.

Hayden hosts exhibit of 85 photographers



Photos by DeBardi and Davis

Light 7, an exhibition of some 85 works by 75 different artists is currently showing in Hayden Gallery. The selection was made from several hundred photographs submitted, and we can assure you that these pictures of the pictures do not do them justice. The show will be here through November 10.

Corporation holds elections

By Ray Azzi

New members were recently elected to the MIT visiting committees. These committees are intended to be information-gathering bodies for the MIT corporation, a non-profit organization which governs the Institute.

The most important of these committees to the general student body is the visiting committee on Student Affairs. In past years the Student Affairs committee has been limited to a specific topic or topics by the Corporation but this year there is no specific format as yet or is there intended to be one. Instead the committee will investigate student plans and student views of the Institute in general. In addition to this the committee plans to have more student involvement when it meets on December 8 and 9 this year.

The Corporation also held elections recently. Elected as a life member was Irene du Pont, Jr., who received an S.B. in mechanical engineering from MIT in 1943 and is a trustee of the Tower Hill School, the Mt. Cuba Astronomical Observatory, Inc., and the Greater Wilmington Development Council. He has been a special term member of the MIT Corporation since 1963.

William E. Hartmann was elected as a five year term member. Mr. Hartmann received a B. Arch. from MIT in 1938 and joined the firm of Skidmore, Owings, and Merrill in 1945 becoming a general partner in 1951. He is a director of the Chicago Association of Commerce and Industry, the Illinois Art Council, and is a trustee of the Art Institute of Chicago, the Illinois

Institute of Technology and the Committee for Economic Development.

Also elected for a five year term was Frank R.M. Illiken who received his S.B. in mining engineering from MIT in 1934. He is a member of the American Institute of Mining, Metallurgical and Petroleum Engineers, the Mining and Metallurgical Society, the National Industrial Conference Board, and the Business Council of Washington, D.C. He served as an alumni term member of the MIT corporation from 1962 to 1967.

Henry E. Singleton received his S.B. and SM. degrees in electrical engineering in 1940 and an Sc.D. degree in electrical engineering in 1950. He is chairman of the Board and Chief Executive Officer of Teledyne, Inc. He is a trustee of the John Thomas Dye School and the Westlake School for Girls and is a member of the Institute of Electrical and Electronics Engineers, Eta Kappa Nu, and Sigma Xi. He will be a term member for five years.

Elected for five years was Gregory Smith who received the S.B. and SM. degrees in chemical engineering from MIT in 1930 and 1931. He became president of the Eastman Geatone Corporation in 1957. He is director of the Salzburg Seminar in American Studies, Cambridge, the Mass. Dental Service Corp., the Warren Five Cent Savings Bank, Peabody, the George Eastman House, Rochester, and the World Affairs Council, Boston, and is a president of the Board of the J.B. Thomas Hospital, Peabody, a trustee of the Salem Hospital, a member of the Robert Breck Brigham Corp.

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Leinsdorf gives Czech works

By Steven Shladover

The Boston Symphony Orchestra's second week of concerts consisted of a program of works by three Czech composers in honor of the fiftieth anniversary of the founding of the Czech republic. The opening selection was the section of Bedrich Smetana's symphonic cycle, "Ma Vlast" (My Country), entitled "From Bohemia's Meadows and Forests". This received a brisk and dynamic, but mechanical, performance which was also too loud. Somehow, the feeling of the music got lost under an impressively slick veneer of sound. It was almost as if Leinsdorf used this work as a rather perfunctory opening exercise to prepare the orchestra for the rest of the evening's work.

The orchestra certainly was prepared to cope with the challenges posed by the second work on the program, Leos Janacek's "Sinfonietta," Op. 60, being given for the first time by the Boston Symphony. This unusual piece, actually a suite of fanfares based on Moravian speech rhythms, calls for an oversize orchestra, including fourteen trumpets, three tubas, and four trombones. Where the orchestra found all the extra brass players is a mystery, considering the uniformly excellent quality of the sound they produced. The entire orchestra sparkled in this scintillating, showy piece, and Leinsdorf kept things

moving quite efficiently throughout.

A program of Czech symphonic
Inevitable Dvorak

music without a selection by Dvorak would be unthinkable, so Maestro Leinsdorf obliged by concluding his program with the popular Dvorak Symphony No. 8 (formerly known as No. 4). Although this reading was undeniably exciting, it was quite disappointing. Late romantic music like this should "sing" lyrically, and sometimes do it in a leisurely manner. Leinsdorf concerned himself with technical precision and crisp attacks,

and he got them. His tempi were anything but leisurely, with the result that the performance gave an impression of impatience and a desire to be finished as soon as possible, which was not appropriate. The sound produced was admirable, but the same could not be said for the emotional expression.

It is regrettable that the evening's interpretations were not on a level with the technical achievements. This represented a rather distorted state of affairs, considering that technique is only a means of realizing the end of musical expression.

Grateful Dead—a winner

Anthem of the sun—The Grateful Dead. Warner Brothers-Seven Arts L.P. No. WS-1794.

By Tony Lima

For those of you who haven't heard, "Anthem of the Sun" is an unusual record. It brings to mind such past hits as "Sergeant Pepper" and the Electric Prunes' "Mass in F Minor." Basically, the structure of the record comes across as a mini-opera, with individual numbers having distinctions only in the ears of the listener. There is literally no separation, either on the grooves or in the sound. However, the changes can be heard, even if only

gradually. The record can be termed a cross between a jam and composed playing—it often seems as if the group will start with a score, and gradually ignore it more and more, occasionally losing the listener in the process.

Side one is made up of three numbers. The first, "That's it for the Other One" is divided into three sections: Cryptical Envelopment, Quadlibet for Tenderfeet, and The Faster We Go, the Rounder We Get. These three sections are rather self-descriptive. The first might be described as an addictive process, in which the record rather gets you hooked. After that, you proceed through the beginner's stage, to the basic message, which is that the group gets rounder (less square) the faster they get. However, there can be too much of a good thing, as it demonstrated when the end of the number (which is not particularly defined as such) dissolves into a grey fog of sound, utterly without form or meaning.

Round Form

The second and third numbers (New Potato Caboose and Born Cross-Eyed) are much in the same vein. The former is a blending of jazz and hard rock, not at all unpleasant. Born Cross-Eyed has a freer form than rock allows for. It is interesting to note that the beat remains the same throughout side one (except in the cases when it disappears completely), but the tune and form changes. The end of side one is one of the few points on the record where the group resorts to singing; however, even the words ("Seems like I've been here before") take the listener back to the beginning of the side, to listen to it all again in about a one-minute space.

Alligator

Side two is primarily devoted to Alligator, a cut which is an excellent combination of instrumental and vocal phrases. The outstanding part of this is the intermittent kazoo solos which keep cropping up at various places. Basically, the words are a southern blues song made up of anecdotes about alligators, then set to a rock beat. Once again, the group does not feel constrained by either the music or the beat, however. This time, as the tune evaporates, it leaves a series of jungle calls, indicative of the theme of the cut.

Alligator, despite its length and depth, tends to be somewhat boring at times. This is especially noticeable in the section of the record immediately following the jungle calls. If there is
(continued on page 8)

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Brandenburg Concerti receive Grand Prix

By Ray Ergas

There is a new recording set out which should appeal to musical purists. It is a recording of the six Brandenburg Concerti of Bach (BWV 1046-1051) on the original instruments for which Bach wrote the concerti. The performance is by the Concentus Musicus of Vienna under the direction of Nikolaus Harnoncourt. This "first recording" (Telefunken SAWT 9459/60-A) won a Paris Grand Prix du Disque.

The award is certainly well deserved. The Concentus Musicus plays in the finest European chamber music tradition, with elegance and virtuosity. They have a very mellow sound that is often missing in American chamber groups. However, there is a point where mellowness becomes fuzziness, and there are places in the recording where this occurs.

Antique instruments

Among the instruments used are viola de gambas, blockfloeten, querfloeten, clarin trumpets, and naturhorns. A viola de gamba is slightly smaller than a cello and has a peculiar sound because of its ornate shape. Blockfloeten and querfloeten are eighteenth century recorders and wooden flutes respectively. The most interesting instruments of all were the brass. Neither the trumpets nor horns had valves in Bach's day, and what was played is similar to a bugle or hunting horn. Such instruments are extremely limited in the number of notes they are able to play. It is also very difficult to play them, as anyone who has heard a bugler play "Taps" will recall. In fact, these instruments are limited to the notes C-C-E-G-B (flat?) -C-D-E-F-(sharp?) -G-A-B flat-B-C. The question marks indicate notes which are not quite in tune with the scale used in music today, and they give the music a rather charmingly sour turn at times.

Bach makes it hard

Given these difficulties, it would seem that Bach would write simple parts for these instruments. Not Bach. They are at times as intricate as solo violin parts. Hearing a clarin trumpet execute one of these parts (with trills no less!) is an amazing and worthwhile experience. The sound of these valveless instruments is quite different from ordinary brass. The first valve was not invented until 1824, and composers like Mozart (4 Horn concerti) and Beethoven (Horn Sonata in F) wrote for the valveless horn. Even Mahler (Symphony No. 3) calls specifically for it.

In any case, we shall soon have an opportunity to hear these instruments. The Concentus Musicus is scheduled to be at Sanders Theatre, Harvard, on Nov. 13, sponsored by the Cambridge Society for Early Music. More information should be available in the near future.

The MIT Dramashop will present two one-act plays in the Little Theatre of Kresge at 8:30 Friday and Saturday evenings. Eugene Ionesco's "Jack or the Submission" and Bertolt Brecht's "The Measures Taken" will be presented with a critique and refreshments following.

exhibition of American and European photography is now showing in Hayden gallery. The selection of 85 works by 75 photographers will run through November 10.

Richie Havens will perform at Kresge Friday October 18. Havens will be performing songs from his album "Something Else" in his own folk style.

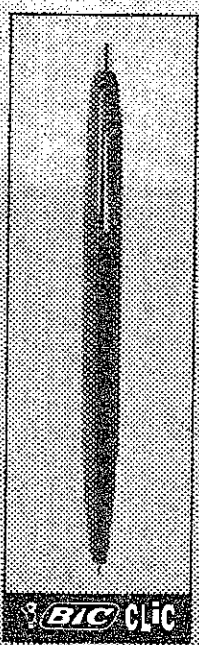
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Arthur Clarke: truth stranger than 2001?

By Jay Kunin

"This is only a work of fiction. The truth, as always will be far stranger." With these words from the forward of "2001: A Space Odyssey," Arthur C. Clarke summed up the movie of the same name in an address Wednesday evening in Kresge Auditorium.

After the audience of about 500 waited 25 minutes for the microphones to function, Clarke discussed the film he co-authored with producer-director Stanley Kubrick. Asking the group how many had seen the movie, Clarke got nearly a 100% response. About one fourth of the audience had read the novel, which was written simultaneously in an effort to avoid the lack of complexity and excitement often seen in scenarios.

"Son of It"

In his hour-long speech, Clarke discussed the genesis of the film, the technical difficulties and techniques involved and sidetracked to talk about science fiction in general. The film was conceived by Kubrick, who called Clarke in Feb., 1964, at his home in Colombo, Ceylon, with the idea of making the "proverbial good science fiction movie." Clarke, who disliked most science fiction films (he suggested the title of the typical film—"That, Son of It"), discovered that Kubrick was indeed the man who could make such a movie.

Clarke met with Kubrick, and plans were made; in the meantime, Clarke taught his partner astronomy, computer theory and metaphysics, among other things. Kubrick was, in Clarke's words, "the most intelligent man I know in terms of sheer IQ." The

plot of the story was taken basically from "The Sentinel," a short story Clarke had written in 1948; but Kubrick suggested that they co-author a novel in order to bring more ideas and depth into the film. A year and a half after their first meeting, MGM began shooting the film in England, expecting a cost of \$5-6 million. At final estimate it cost twice as much and took a year longer than originally planned due, according to Clarke, to the fact that they had no idea how much it would take to create many of the special effects.

Zero gravity

There were 200 special effects sequences, subdivided into thousands of parts, often from scratch. But some, like the zero-gravity kitchen, already exist (in this case made by Whirlpool). Clarke defended the scene in which astronaut David Bowman crosses a vacuum without his helmet as being accurate according to experiments. However, he held his breath, which would be fatal—Clarke said that he wasn't there when that sequence was filmed.

Clarke also noted that they had to

cheat a little with some details—"if you make things too realistic no one will believe you."

Clarke mentioned that people keep "seeing things that I didn't know we put there, and see some I know we didn't put there." He swore emphatically that the letters of HAL being ahead of IBM is a coincidence; but the audience's response indicated they didn't quite believe it.

Insurance?

Making an accurate, contemporary science fiction movie is a dangerous business. Afraid that if the Mariner Mars probes found life on the planet it would greatly diminish the effect of the film, Kubrick went to Lloyd's of London. They continued uninsured, according to Clarke, because the price was "astronomical." When the Russians announced the success of Lunik 9, the Kremlin public relations office called Clarke for a comment, since his books were being sold in Russia. He asked for royalties. He got them. About the time the film was released, the first pulsar signals were discovered. Clarke congratulated the MGM publicity department.



Photo by Saunders

Arthur C. Clarke spoke in Kresge Auditorium Wednesday on his part in producing the movie "2001, A Space Odyssey."

The beginning sequence, which Clarke called "the longest flashback in

the history of movies," was so realistic that people have asked him how they trained the apes. He answers, "It was easy."

After his talk, Clarke answered questions. Naturally, he was asked to explain the ending. He refuses to discuss it with anyone who hasn't seen the movie, read the book and seen the movie again, ad infinitum. When asked to explain the monolith, he replied, "The first time around it's a teaching machine, the second time a burglar alarm, the third a space warp and the fourth, God." HAL the computer was the subject of many questions: Why did HAL fail? Ans: Wait for the sequel—"Son of HAL." Question: Why is there a red 'malfunction' button on a perfect computer? Answer: 'Next question.' Among those freaked out during "the only legal trip" was the guy in San Francisco who ran toward the screen yelling "It's God! It's God!"

As for the future, Clarke said he would have another article coming out in a few months in the "scientific journal that publishes all my papers and works, *Playboy*." "It will give you an excuse."

Grateful Dead

(continued from page 6)

variation in this segment, it is too small for the equipment the record was being played on to pick up.

Garcia-Weir

One good reason for putting up with this is the guitar work between Jerry Garcia and Bob Weir which immediately follows this, which is some of the best to be found anywhere. Then is a section which is essentially the word "alligator" alternating between the two sides of the stage. This comes through as might be expected on a stereo system.

The second cut on this side is Caution (Do Not Stop on the Tracks). The drum becomes a train, and the story line (the only time this occurs on the album) is about a fellow who consults a gypsy about his girl. However, this rapidly disappears, and moves into another formless mass.

Basically, this album represents a step forward in the total record world. It is definitely one which should be on the shelves of fans of the West Coast sound.

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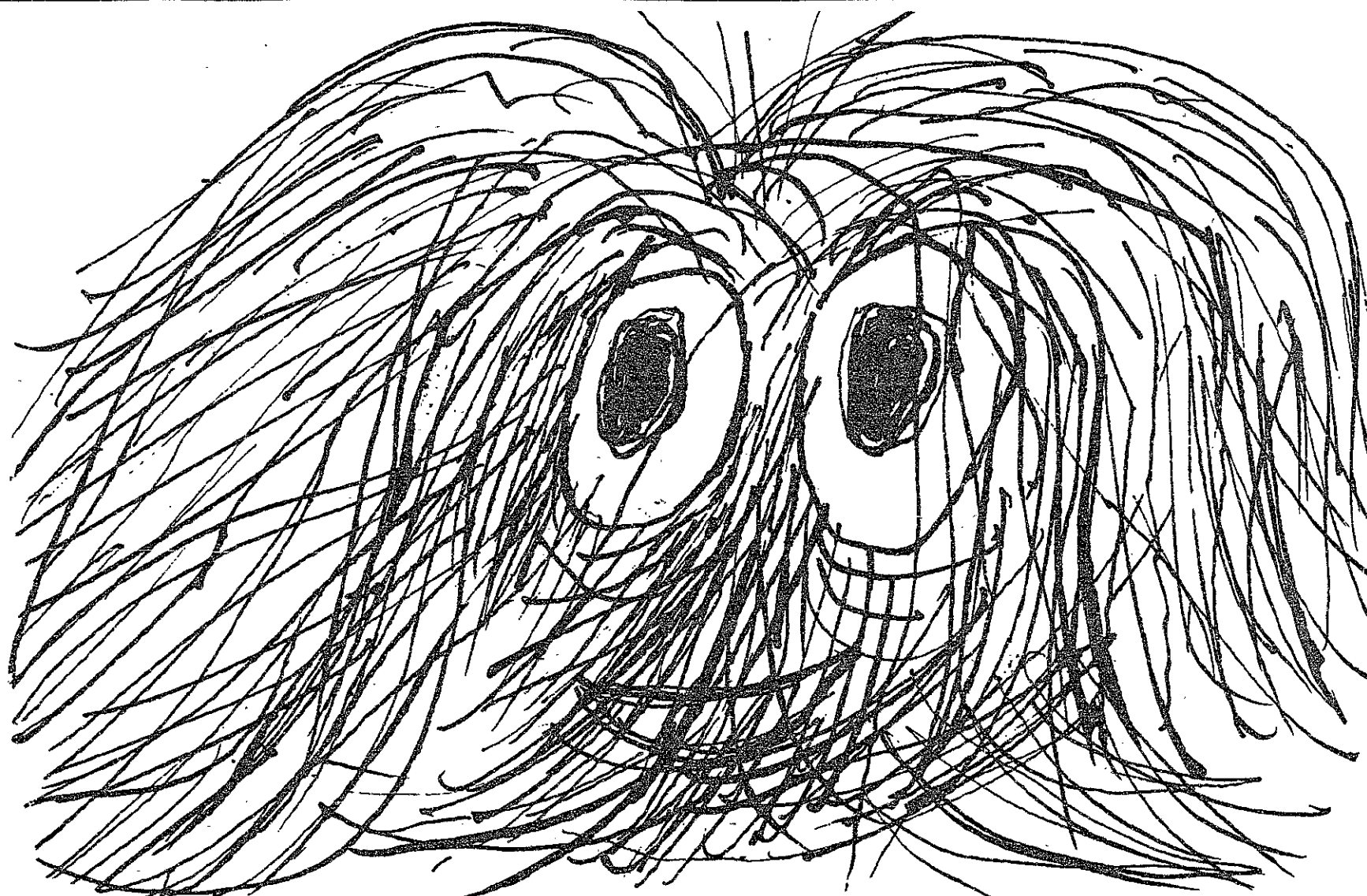
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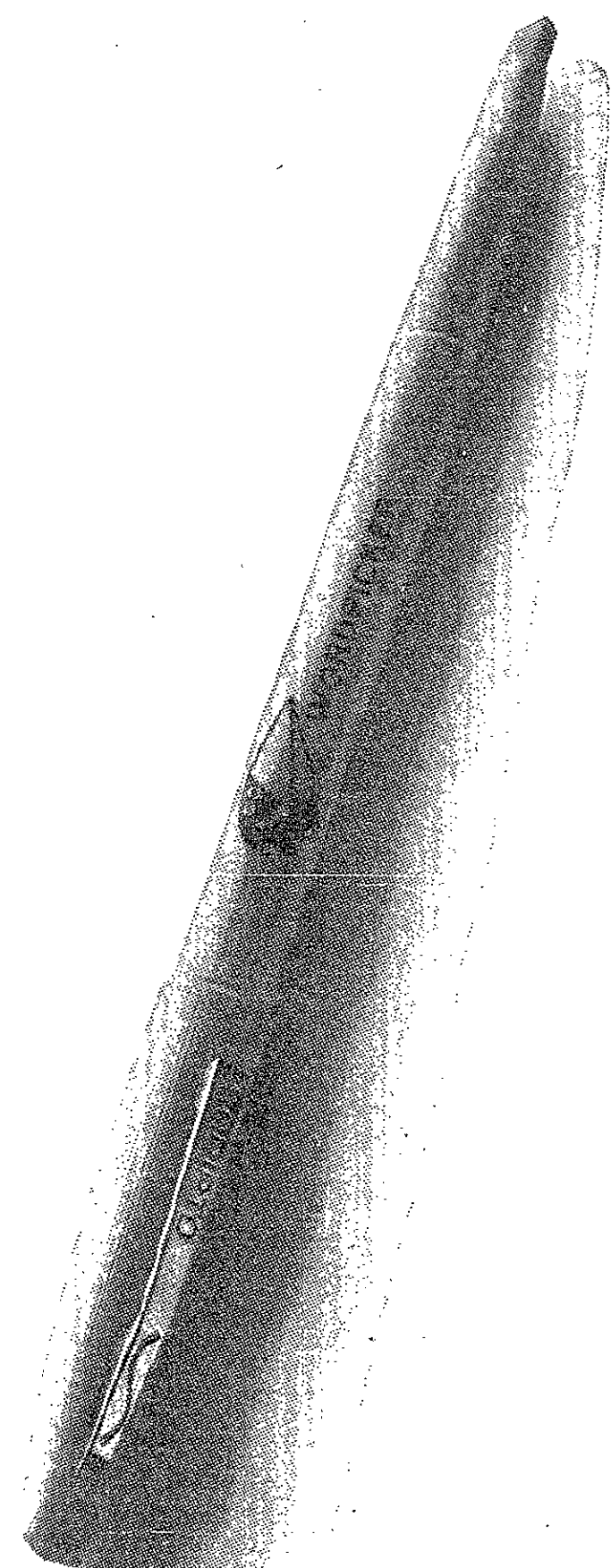
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Crowd opposes Wallace

(continued from page 1)

entertained." However, some pro-Wallace supporters answered "I came to hear a great man speak," and "Wallace is simplistic on complex issues beyond all belief, but so is this crowd simplistic, they don't even know what they're hissing and booing at." There was a middle ground, however, between the pro and anti-Wallace demonstrators. One man, conservatively dressed, answered, "I came to decide how to vote, and this scene just might make me give Wallace my vote."

Although the Wallace organization had put out statements that a large number of off-duty policemen and firemen would be present to deal with demonstrators, this reporter elicited a rather interesting comment from an off-duty policeman: "If people don't come here to voice their opinion, they'd be agreeing with him. When you get a nut like Wallace in power, you can be sure that intelligence has vanished. Wallace campaigns on a platform of fear. The guy's preying on the fears of the 'little man.' Humphrey should be campaigning harder, and Muskie should do more campaigning more around here."

"Not fit to be President"

But of all these, perhaps the most relevant idea of the night was "I was stationed down South for two years, and I feel it's my duty to protest this man after what happened in Selma and Birmingham. This man's simply not fit to be President. I feel that I must stand up and be counted."

The crowd near the bandstand dispersed rapidly as Wallace hurried away upon the completion of his speech. Immediately afterward, about twenty priests and ministers, many of them from Boston College, staged a protest of their own against Wallace. Many persons hurled cries of "Communists" and obscenities at them as they silently filed out a few minutes later.

One of the priests, a Jesuit studying at Boston College, offered as his reason for demonstrating: "George Wallace is selling the people a bill of goods. He's running on a platform of fear. The leopard isn't about to change his spots. He's offering simplistic answers to extremely complex questions." The clerics said they were primarily moral theologians.

Shortly after this, another demonstration was in progress on the

slope leading to the Soldiers and Sailors Monument. Here, large black flags were in evidence, leading to the possibility that this demonstration was organized well in advance. About 5,000 students were present, but there was no set program. People just stood up and spoke at random.

Just as the massed rally began to sing "We Shall Overcome," four men carrying a huge Wallace for President placard waded into the crowd. As they reached the other side the rally quickly broke up as most of the protestors followed the Wallace supporters down the Common to the underground garage. When questioned before they drove off in a '68 Cadillac, the men said they had taken the risk because "Wallace is the only American running for President this year."

One of the few violent incidents by an otherwise noisy but well-behaved

crowd was when a man carrying a Wallace sign and claiming to be a Polish freedom fighter was mobbed by 30 demonstrators, who attempted to beat him. A few students, including some anti-Wallace demonstrators from MIT pushed them back until Boston police arrived and escorted the man away from the scuffle.

Police clear Common

At about 6:45, Boston police moved into the Common aboard MTA busses, and immediately attempted to clear the Common of everyone who even faintly resembled a student. Working from the center outward, and issuing orders to "Either move or be moved," the police cleared the Common's west meadow in about 15 minutes. Although there was an immediate rush toward Park Street, many persons remained, but were finally removed without incident.

News Analysis

Police grim but restrained

(continued from page 1)

heckling the candidate as he tries to deliver a sober, clearly thought out, policy statement. And all the white supremacists and hyper-nationalists out in televisionland will be duly outraged by this lack of respect for a candidate for the nation's highest office, and will either be convinced to vote for Wallace and LeMay, or redouble their campaign efforts if they are already convinced.

Less noise than planned

Actually, it was rather surprising that the crowd did not attempt to shout out the candidate, as they did when Hubert Humphrey came to town. Apparently the criticism of the actions of the anti-Humphrey demonstrators has had some impact. Although the students' emotion would occasionally break loose in chants of "Sieg Heil" or "What about Selma?", the noise was seldom sustained.

It was surprising, too, that there was no violence. Both sides in this sham battle were morally indignant, and there is no surer way to provoke violence than to place two groups in close proximity, each of whom may feel called upon to physically demonstrate their righteousness to the other, and when one side (Wallace's) actually stood to benefit from the political reaction of just such a conflict.

Police restraint

In view of all this, a word of praise is in order for the Boston police. Grim they seemed, in their helmets and facemasks, their restraint in handling the situation did not cause ill-feeling among the students. At the same time, their quick action in stopping a minor scuffle prevented it from growing into a major battle. They were present and available, but not overbearing. Compared to the overkill tactics of the Chicago police, the Boston department reacted admirably to the Wallace visit, as they did to Humphrey's.

Although it would have been emotionally impossible for those present, the most effective protest against George Wallace's campaign would have been to stand silently facing away from him. A demagogue likes nothing better than a chance to battle with those whom his supporters hate. Hecklers hurt Humphrey, because he seeks votes among the sort of people who heckled him. Wallace, in contrast, benefits from the protesters' acts, since his votes will come from those who oppose the students' position. Their presence and vilification of him merely confirm his status in the eyes of his followers as the defender of all that remains pure in America.

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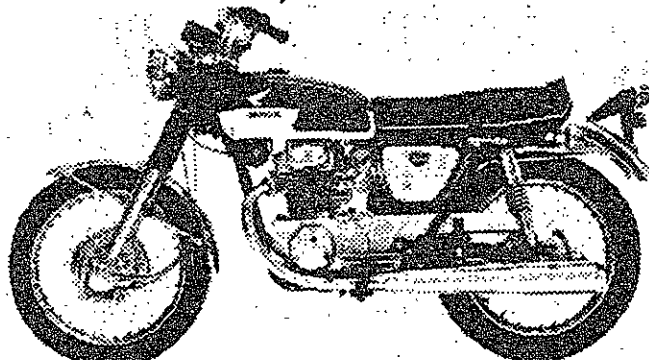
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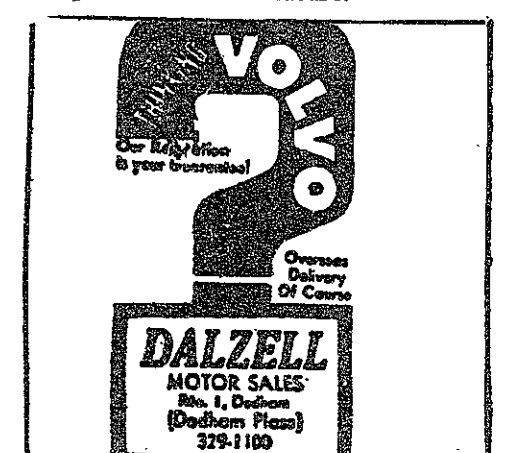
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New 8.04

relies on student

Among the latest innovations in education at MIT is the "new" 8.04. In an attempt to find a better way to present the material, the course intends to make use of many new teaching aids and to leave them for student use. Along with the text, lecture, and section meetings, exercises with taped commentary on the solutions are available. There are also films and other visual aids relating to the material being studied, which the student may see whenever he wishes.

The emphasis in the course is student independence and selectivity. The student can make use of whatever he sees fit at a time he finds convenient. While this experiment, like all others, cannot be evaluated until it is complete, it points toward a desirable increase in academic independence for the future.



Samuelson attacks views Election protest planned of economic pessimists

(continued from page 1)

After discussing some of the pitfalls of forecasting, he announced that he foresaw an increase of from \$15 to \$17 billion in third quarter GNP. This would be down from an increase of \$22 billion in the second quarter, but still a larger increase than many of his fellow economists have forecasted. He cited a decrease in the rate of personal saving which accounts for the current boom in the auto industry and in durable goods. Although he expects a further decrement in the fourth quarter, he declared that he would be very surprised if the major economic weaknesses envisioned by many of his contemporaries actually come to pass.

He said that there would be tremendous political pressure in Washington if the unemployment rate surpassed 4½%. He added that a mixed economy "likes a little inflation," and dislikes anti-inflationary forces. He is confident that there will be no prolonged slowdown since "what Congress does, it can also undo."

Nixon recession?

In a question and answer period following his speech, the subject turned inevitably to politics. Prof. Samuelson was asked to comment on the prospects of a recession under a Republican administration, an occurrence which seems to be traditional following years of Democratic prosperity. He began by

saying that Nixon should be judged mainly on the merits of his advisors—and then criticized the "idiotic stand" of Nixon's probably Secretary of the Treasury, a man whose writing Prof. Samuelson assigns to students as a prime example of outdated views.

He asserted that Nixon could probably forestall any recessionary trends "if he were bolder than he is." He added that Nixon would likely sit back and watch unemployment increase for a while, but would probably try to do something about it as the mid-term elections approached, and, again, as he himself faced re-election. Like most progressive academicians, Prof. Samuelson is a supporter of Vice-President Humphrey.

Balance of payments

As for the balance of payments problem, Prof. Samuelson said that, although he sees "less disimprovement" in Great Britain's plight, he remains a pessimist concerning the perennial deficit of the United States. There has been no improvement in current account, and although capital account balance has improved recently, it is still below the surplus figure of 1963. He sees no basic improvement until the Vietnam war—which accounts for about one-half of our problem—is ended. He added that he would not be averse to a dollar devaluation if it were handled correctly and warned that today's speculators in gold will lose in the long run.

NEW YORK (CPS)—With the Presidential elections one month away, leftist student and peace organizations across a broad spectrum have begun planning a "fall election offensive," opening a new phase in the national protest of the electoral system which began in Chicago last month and which will continue through the inauguration in January.

The National Mobilization to End the War in Vietnam (known as Mobe for short), a loosely formed organization which in the past has coordinated many of the mass anti-war demonstrations and which earlier this year called for the protest in Chicago, is the one group so far to become specific about its plans.

Mobe leaders say they are calling on students to "find new ways of voting this year—in the streets rather than in the polling places" since voting for one of the three major candidates gives no chance to vote for ending the Vietnam war now.

Protest activities

At an initial planning session this week in New York, Paul Potter, a former SDS president who is now on the Mobe steering committee, said his organization is aiming at a series of national, "decentralized" protest activities "leading up to, but not including, disruption of polling places."

The thrust of the activities, he said, will be to link the continuing war in Vietnam with the concept that our present political system, rather than dealing with the situation, tends to perpetuate it. The program's main features are to include: on the weekend prior to the elections, possible presentation of anti-war generals at public hearings at which the issues surrounding the war would be presented, combined with delegations of anti-war demonstrators visiting the nation's "35 key military bases," located mostly in the East and South,

staging marches and "love-ins," concluding with the declaration of November 2 as Vietnam Sunday and urging clergymen opposed to the war to speak out against it to their congregations; the organization of mass rallies on the eve of Election Day supporting a boycott of the elections as irrelevant and illegitimate, combined with activities the following day, including mass demonstrations at polling places of the major candidates plus various other activities, including leafleting and guerilla theatre performances, at other polling places all across the country.

War as issue

"The important point about Mobe's planning," Potter said, "is that it provides a chance to re-introduce the war in Vietnam as an issue nationally."

The gathering, attended by about 20, marked the first such meeting in the city of radical campus and peace groups interested in protesting the elections, but already the lines of political difference could be seen emerging.

Jeff Shero, editor of the New York underground newspaper, Rat, objected to so strong a connection between the elections and the war. "We should try to tie the protest more to the on-going demands of the movement. 'The war is kind of an old issue.'"

Objections were also raised to the idea of counter-election polls at which persons opposed to the three major candidates could cast their vote at an alternative polling place set up for the day by the protestors.

"That tends to give the idea that we just don't have a choice this time," Shero said, "when in fact we've never had a choice."

Other speakers emphasized the need for clear explanation of why the election protest is being staged. While supporting the proposal for a boycott, one activist contended, "This is going to be the first day of the rest of the

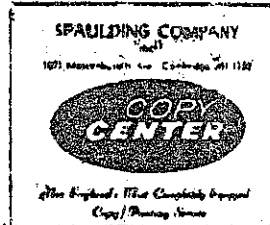
movement. We have to give people good reasons for what they're doing. Student strike?

Jeff Jones, a member of SDS, told the group that the New York regional assembly this weekend (Oct. 5-6) will be discussing the possibility of calling for a student strike prior to election day in which students stop attending classes in order to participate in activities opposed to the elections. That same proposal will probably be discussed the following weekend at an SDS national conference in Boulder, Colorado.

Students, Mobe says, are "drawing the connections between the war and society as they see the relationship of their universities to both the war and the federal government." On election day, it urges them to center their activities on "pointing out the ties that exist between the war machinery and the university, through all-day teach-ins, confrontations with draft boards or other actions aimed at forcing universities to end military research." Students are also urged not to attend classes November 5.

There was also some unspecific talk about the possibility that high school students from several public schools will walk out on election day in protest. That day is normally a city-wide school holiday, but this year the day off has been cancelled because of the teachers' strike.

The political discussions and planning session will intensify in the coming week as the various groups begin firming up their plans. Potter said Mobe will begin releasing publicity of its plans sometime next week.



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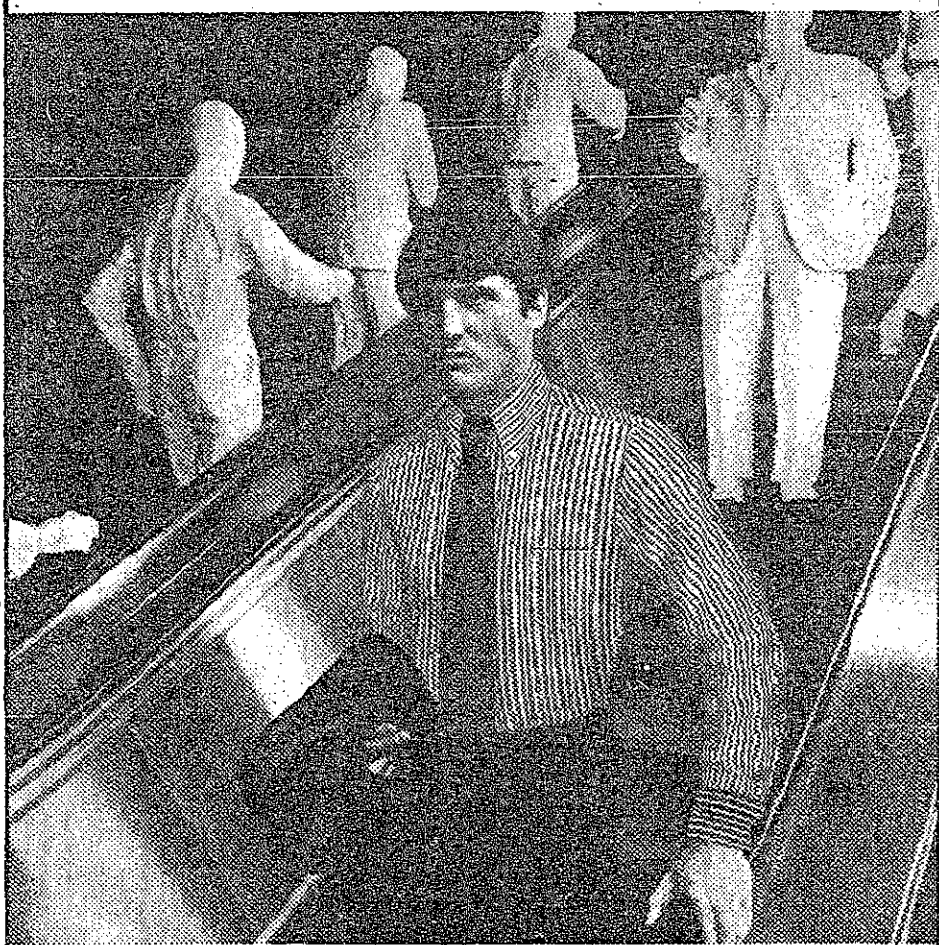
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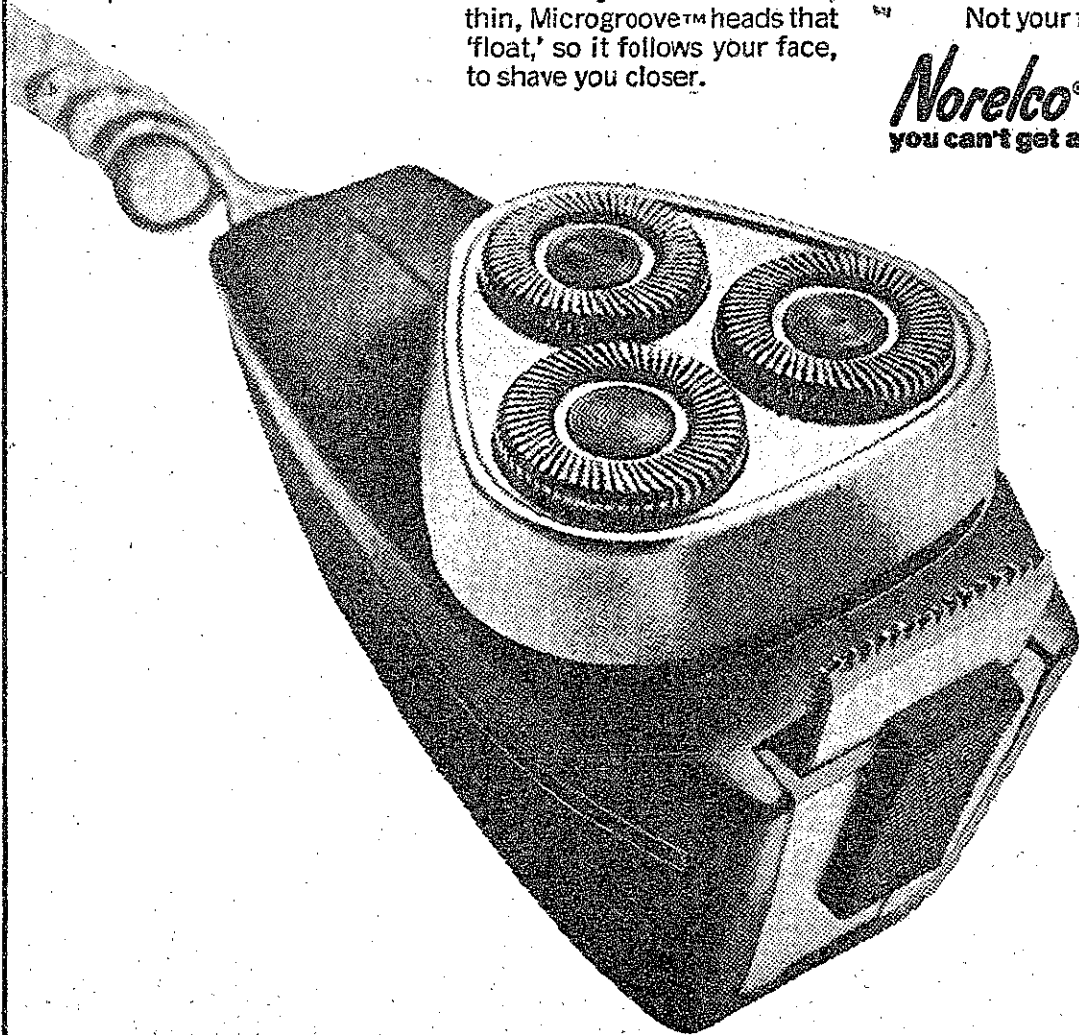
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WPI tops kickers, 1-0, 'sun goal' decides game

By Don Arkin

The MIT soccer team traveled to Wednesday to try to break into victory column after losses to two better area soccer teams, Trinity Harvard. But despite a good effort in the Techmen, some bad breaks a good WPI goalie allowed the to avenge last year's 4-3 loss to 1-0.

Tech actually played a better game in the victors, particularly in the first when they outshot WPI better 2-1. However, MIT's 13 first half on goal were just as unsuccessful as their opponent's 6 as the teams took a halftime break deadlocked at 0-0. Tech wasn't quite as strong in the second half, but they were still holding

their own when WPI began bringing the ball down field late in the third quarter. But a moment later they were down as goalie Jeff Reynolds '69 lost sight of the ball in the late afternoon sun and allowed it to get past him for the first and only score of the game.

The kickers didn't give up but they were just unable to score. One factor which hurt the engineers was the loss of Co-captain Carl Everett '69 part-way through the second period. Everett started the game despite a leg injury but was unable to continue.

Tomorrow the kickers will be attempting to break their sixteen game losing streak with an away game against RPI. Tech has never beaten RPI and lost to them 4-1 last year.

Batters downed by BU, 4-3

By Jay Zager

The MIT Varsity baseball team, still looking for its first victory of the fall season, went down to its sixth straight defeat Wednesday, losing to Boston University, 4-3 on a chilly afternoon on Briggs Field. With several key players out for fall intercollegiate sports and others unable to play due to illness, Coach Fran O'Brian was forced to use a makeshift lineup, a problem which has hurt the batsmen throughout the fall campaign. And, as has been characteristic of previous Tech losses, the team was hurt by poor fielding execution and by a lack of clutch hitting.

Tech scores first

MIT got off to a quick start in the top of the first inning (BU served as the host team), as left fielder John Compton '70 reached second on a two base throwing error, and scored when the BU pitcher threw away a ground ball hit by Bobby Dresser '71. But the inning came to a quick end as Dresser was caught stealing and, after a walk, the next two batters went down.

MIT's starting pitcher was Pat Montgomery '71, and he looked sharp as he set down the terriers in the first.



Photo by Gary DeBardi and Craig Davis

Mark Scher '71 swings for a slow roller down the third base line, Scher was safe at first when the throw from third pulled the BU first baseman off the bag. In a very close game, the Terriers topped Tech, 4-3.

However poor fielding hurt him in the second inning, as the host team scored an unearned run to tie the score at one all. An infield error gave BU the go-ahead run in the fourth inning, and the game remained at 2-1 until the fifth. In the bottom of that inning with

runners on second and third, BU pulled off a perfect suicide squeeze play, and by the time the play was completed, both runners had scored and the Techmen were down by three runs, 4-1.

Tech rally falls short

In the seventh inning, Steve Gass '72 reached second on a throwing error, and came around to score on an error by the BU shortstop. But at this point, Terrier pitcher Pat Villineau toughened up and retired the next three hitters to keep the score at 4-2. It stayed that way until the last inning when Dresser reached first on yet another error, and went to second on a walk to Captain Lee Bristol '69. After a strikeout, Gass singled to right to load the bases, but when a pinch hitter popped up to the infield, Tech was down to its last out, needing two runs to tie the score. Sophomore Mark Scher was the hitter and on a 3-1 count he tapped a slow roller to third and was safe at first when the throw pulled the first baseman off the bag. So now the score was 4-3, with the bases loaded, two men down, and a pinch hitter, Dave DeWitte '69, up at the plate. Dave ran the count to three and two, and then, with three runners moving on the pitch, hit a hard smash to the third baseman, who fielded the ball cleanly and threw DeWitte out, giving BU a tough 4-3 victory.

Once again the team was hurt by poor hitting, as they managed only two hits (the single by Gass and an earlier hit by Bob Gerber). Earlier this year, the team has been one hit on two occasions, and needless to say, the return of several key players should bolster the hitting attack. As for the remainder of the schedule, MIT has only two games left, both on Briggs Field. On Saturday, the Techmen host the University of Vermont, and on Monday, they conclude the fall season with a game against Massachusetts Bay State College.

TC, LCA win in net tourney

Theta Chi and ICA joined Burton House in the semi-finals of the M tennis tournament in matches on Wednesday. The fourth spot was still undecided, depending on the outcome of a Senior House-Burton C match.

ICA blanked PGD 5-0, as Mike Oliver '65 and Phil Henshaw '68 swept two singles matches apiece and Rod Riek '69 and John Drobak '69 won in the doubles. Theta Chi backed into its spot when Baker House was unable to field a team on time and forfeited.

The semi-finals tomorrow have Burton House meeting ICA and Theta Chi squaring off against the survivor of the Senior House-Burton C contest. The winners of these matches then meet Sunday for the championship, with the losers dropping into the consolation round which also starts tomorrow.

All losers to any of the semi-finalists are also automatically in the consolation round, with a chance to finish as high as third place in the whole tournament. The consolation round should be completed by next weekend.

The Tech Sports



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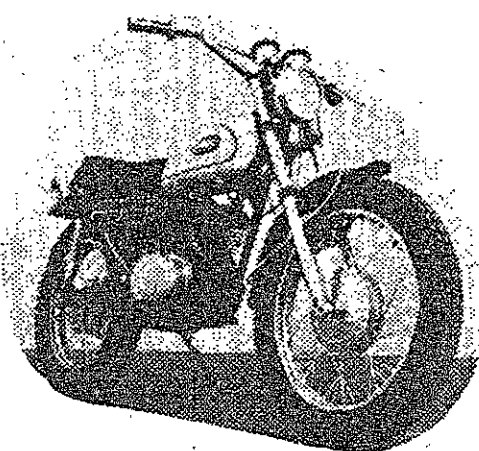
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Announcements

The Class of 1970 will present Junior Prom over the weekend of November 8 and 9. Entertainment includes Ian & Sylvia, the play "A Funny Thing Happened on the Way to the Forum, Vanilla Fudge, and Chuck Berry. Field Day will be held Sunday, November 10, as an afterthought.

October 21 is the deadline for submitting Fulbright, Marshall, and Churchill fellowship applications for graduate study abroad during academic year 1969-70. Interested students should contact Dean Harold L. Hazen, x 5243, 5-108 immediately. Rhodes scholarship applications should be in by October 31. Those interested should see Prof. Gilbert Strang, x 2683, 2-271.

Today is absolutely the last opportunity for June graduates to have their Senior portrait taken for the MIT yearbook. Anyone who will receive a bachelor's degree in June, 1969, or who entered with the Class that will graduate in June should report to the Technique office, Rm. 457 in the Student Center.

Dr. Louis Menard, Director of the MIT Upward Bound program, will speak Tuesday on "The University and Urban Education." The speech will be at the Harvard Graduate School of Education, Longfellow Hall, Rm 100 at 8:15 pm.

Undergraduates, graduate students, and faculty are invited to the Society of Physics Students Steak Fry this Sunday on Briggs Field at 1 pm.

A rally to demonstrate support for the Soviet Jews will be held Sunday at 2 pm on the Boston Common. The rally will be addressed by Prof. Marshall I. Goldman at the Parkman Bandstand following a short prayer service on the steps of the Statehouse.

Dr. John P. Spiegel, Director of the Lemberg Center for the Study of Violence at Brandeis, will speak on "The Dynamics of Collective Violence" at the Cambridge Center for Adult Education, 42 Brattle St., on October 18. Admission, \$2.00.

Barriers separate city and technology

By Greg Bernhardt

"Matching Technology to Urban Affairs" was the topic of an Urban Systems Laboratory seminar delivered last Monday by Professor Mason Haire, Associate Director of the Sloan School. Drawing from the conclusions of a summer study group from USL working on the problem, Professor Haire discussed the relationships between the city managements and the suppliers of modern technology.

Barriers

Explaining that a "barrier of penetration" often exists between suppliers and demanders of high technology, Professor Haire analyzed why there is such a gap between present knowledge and use of it in urban affairs. On the supplier side, he pointed out that companies are reluctant to commit funds for solutions, especially system solutions, when the payoff is likely to be so far off in the future.

Innovation needed

Just as the companies only take risks on reasonable projections, so are the city managers likely to trust the proven methods rather than try

anything innovative. Professor Haire added that "city managers get rewarded for not being wrong." In addition, high technology industries tend to supply only other technology industries except in cases as NASA and the Defense Department.

Because of these relationships, cities often have problems identifying the suppliers of high technology, market between the two is not structured simply because neither used to dealing with the other. And, of course, the money just isn't there in most cases.

Recommendations

As a step to the solution of the problem, the summer study group recommended the formation of "Urban Technology Development Corporation" to investigate, state, formalize a research and development agenda for the needs of the city. Professor Haire envisions that such a corporation should have a budget of twenty million a year, largely from federal funds. That would represent about one-fiftieth of one percent of money currently being spent on urban problems.

Neutral analysis

As a result, the federal government would get a neutral analysis of the needs, development possibilities, and method for eliciting responses to needed solutions. The cities would receive a forum for stating their needs, a focused relationship with the suppliers, help in establishing criteria for solutions, and access to a broader spectrum of technology.

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Sunday

Sailing (V) - Finish of NEISA Racing Championship Elims

Sailing (F) - Undecagonal at Brown

Monday

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