"Continuous News Service Since 1881"

IN	THIS	ISSUE;	
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VOLUME 93 NUMBER 53

MIT, CAMBRIDGE, MASSACHUSETTS

TUESDAY, DECEMBER 11, 1973

FIVE CENTS



The MIT Festival Jazz Band presented a concert last Friday night, December 7. Pictured at the left are Leon Rivchun and Halbert White, of the Halbert White Sextet, which performed at the concert. At the right is the trumpet section of the Jazz Band. Photos by Roger Goldstein

By Bill Conklin

Six MIT living groups are seeking new members among students who are not satisifed with their present living situations.

With the help of Assistant Dean for Student Affairs Ken Browning and the Inter-Fraternity Council, BTP, Fenway House (formerly SAM), KS, PKS, TEP, and ZBT are arranging informal meetings with prospective new members.

"Each year we see people who come by and say, 'What do we do if we want to change living groups," explained Browning. "We would like to act as a clearinghouse to help these people get in touch with living groups who would like to meet them."

"What we want to do is slightly formalize and facilitate

the process of helping these people find a place to live."

"This doesn't indicate any deterioration in the fraternity system," he stated, "There has been no dramatic shift in the situation. This idea has been on my mind for several years."

Browing said that the living groups involved were not "panicked over getting new members," but had room in their houses, and were interested in meeting people who might like to live there.

Most of the houses would have room because of people moving out between terms, or a smaller rush than was expected. according to Browning.

"This would not be a rush kind of thing," he said. "It would be on a small-scale, individual basis. I would be pleased if ten people found places they like."

"This is just an experiment." he continued. "It's not a change in the state of things, we're just opening up a new avenue."

Browning said that the important thing was to spread the word around. "Maybe the people we don't see don't know about this. We'd like to stimulate people who otherwise might not even look.'

MIT seeking funds for dorm construction

By Mike McNamee

Planning for the new dorm to be built on far-West Campus is moving into design development. and construction is expected to start in April, although funding efforts for the project are "embryonic."

According to Assistant to the Vice President for Operations Richard Sorenson, the planning efforts are now directed towards firming up the design guidelines that have been laid down in the recently-completed schematic drawings. Design development is the last stage of design before working drawings are made up for the contractor, Turner Contruction (who handled the renovations in Burton House in

Sorenson predicts an occupation date for the dorm in September of 1975. "The only problems I could see would be the shortage of building supplies that is plaguing the whole country, and troubles with getting energy to heat it next winter (1974-75) while the interior work is being done," he told *The Tech*.

The building is being placed

between MacGregor House and Westgate II, where Joyce Chen's Restaurant is currently located. According to Sorenson, the construction work will start near MacGregor in April; Mrs. Chen has been asked to move out of her restaurant by June I and is building a new restaurant in Watertown.

Finances

Kenneth S. Brock, Director of Resource Operations, told The Tech last week that fundraising efforts for the project are 'so embryonic that I really have nothing to say...From a funding point of view, we're just cranking up."

No goal has yet been set for the amount of funds to be raised by private donations, Brock said, but plans are being worked on to resolve the problems. According to Sorenson, the Institute will be able to borrow just less than \$1.5 million on the project, leaving the rest of the approximately \$5 million needed to be raised through free captial.

Brock predicted that raising funds for the dorm would be rather difficult: "It seems to be

(Please turn to page 2)

ejected umpeachment

MIT officials Monday declined to say what prompted the expulsion of two political groups from the Lobby of Building 7 last Thursday, in what appeared to be preparation for the regular quarterly meeting of the MIT Corporation the following day.

Two students seeking support for petitions calling for the impeachment of President Nixon were told Thursday that they could not remain in the Building 7 lobby to collect signatures.

Ken Isaacson '75 and Joel Weissman '75, who are working with the Civil Liberties Union of Massachusetts on the impeachment campaign, said they were ejected from Building 7 just several hours after receiving approval to distribute their materials there. They had been in Building 10 the day before, but the space was taken by another activity on Thursday, necessitating the move.

Isaacson said the initial approval was given by Suzanne Weinberger G, an architecture student who supervises activities scheduled for the Building 7 lobby. She told Isaacson and Weissman that although she was not certain of the propriety of setting up the booth in Building 7, they should do so unless hearing otherwise.

According to Isaacson, Lisa Broderick, secretary to Dean for Student Affairs Carola Eisenberg, and Alice Seelinger, Administrative Assistant to Eisenberg, informed them that "someone" in the administration had called the Dean's office to suggest that the impeachment booth be moved to the lobby of Building 6.

After issuing the directive, Broderick and Seelinger left, and Weinberger arrived to inform Isaacson and Weissman that they definitely had to leave. Isaacson said Weinberger told them, "It appears that I made a mistake when I told you it was OK. Building 7 is reserved specifically not to have student activities.'

Weinberger told The Tech that an unnamed administrator called to instruct her to see that the impeachment booth was relocated somewhere other than the Building 7 lobby, and that there were strong indications that the corporation meeting was a major factor.

Although it was not disclosed who the administrator was, Vice President for Administration and Personnel John M. Wynne is known to have control over the schedule for the Building 7 lobby.

A number of administration officials were still trying to find out on Monday exactly what had occurred last week, and The Tech was unable to locate any rules regarding the use of the lobby. Meanwhile, another student group set up a booth in the lobby on Monday afternoon, after being displaced by the Registrar's Office, which was distributing registration materials in the lobby of Building 10.

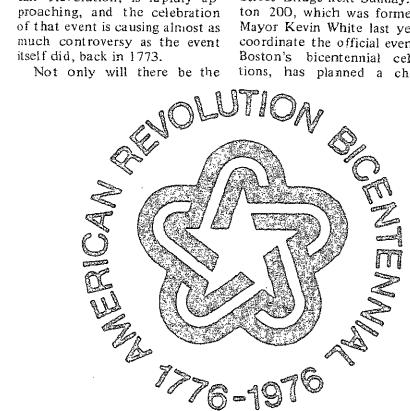
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Tea Party:

By Mike McNamee

The two-hundredth anniversary of the Boston Tea Party, one of the first of the events which culminated in the American Revolution, is rapidly approaching, and the celebration

Right now, the main standoff seems to be the widelypublicized re-enactments that will take place on the Congress Street Bridge next Sunday. Boston 200, which was formed by Mayor Kevin White last year to coordinate the official events of Boston's bicentennial celebra-Not only will there be the tions, has planned a choreo-



"official" re-enactment of the Party, sponsored and organized by Boston 200, the local arm of the American Revolution Bicentennial Commission (ARBC), but there are plans for at least one "counter-party" by the People's Bicentennial Commission. And many other groups with differing political orientations are using the event as a rallying point for spreading their own ideas for solution to America's

graphed show, involving National Guardsmen and members of local militia companies as "colonist" who will board a replica of the brig Beaver, one of the original tea-ships. The audience will be 3000 dignitaries and invited guests, including representatives from each of the 13 original states.

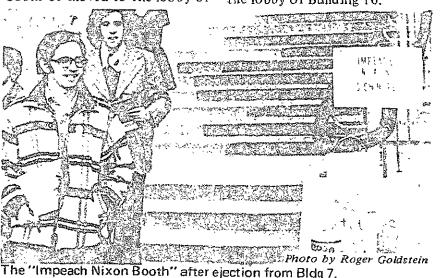
The People's Bicentennial Commission, a radical group formed some two and one-half

years ago by remnants of the '60's Movement, has other plans for the Congress Street Bridge. The PBC, represented in Boston by Ted Howard and Jeremy Rifkin, plans to gather a crowd of protestors to descend on the official ceremonies carrying signs and demonstrating in what Rifkin calls a "militant but nonviolent" way (latest word is that "no interference with the official ceremonies" is planned). Originally, the PBC had planned to bring their own ship replica the 150-foot (as opposed to the Beaver's 75-foot length) Unicorn - which was to be moored beside the Beaver II; but this plan has been stalled by disputes on mooring space with Boston 200, and apparently the Unicorn won't be there. Instead, Rifkin is asking small-boat owners to bring their craft to form a "Tea Party Armada" around the Bea-

Perspectives

The two groups have been going about their planning for next Sunday's events in entirely different ways. Boston 200 is an official organization, accredited by President Nixon's ARBC, and recognized as the bicentennial organization for the Hub. Boston 200 sees the Tea Party as a commemorative event, and is sponsoring a whole series of Tea Party Balls, lectures, and forums to accompany it. Their seal of approval has been put on silverware sets, special statues and sculptures, and other fancy souvenirs that will sell for high

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NOTES

- Candy Cane Sale on Wednesday, December 12 in the Bldg. 10 Lobby. Money will be donated to United Way. Sponsored by MacGregor Froshcomm.
- * For the sixth consecutive year, the City of New York is offering 20 Urban Fellowships for students to work in New York City government. The stipend consists of \$4500, with academic credit for the year's work granted by the student's department. The NYC Urban Fellowship is open to undergraduates who will have completed their junior year by September, 1974, and to graduate students. Applicants must also be registered in an academic institution for the 1974-75 academic year. Applications must be submitted to Dr. Louis Menand's office, 3-234, by January 14, 1973, For application forms and further information students should contact their department head or Richard Pu, 4-209, x3-1350.
- * The IAP Blood Drive is on January 7 & 8 in the Sala de Puerto Rico. Forms are being mailed out this week and next to people who indicated interest in donating when filling out the Fall Blood Survey form. Forms are available at TCA, W20-450, and at the booth in Building 10. For more information, call x3-4885. Please sign up soon.
- * Degree Recipients: Postcards must be returned to E19-335 no later than January 25, 1974 to indicate whether diplomas are to be mailed, called for in person, or if June attendance is planned.
- * The Harvard Graduate School of Design is sponsoring an open house for undergraduates in the Greater Boston colleges interested in investigating the environmental design professions. Faculty and students of the school in the architecture, landscape architecture, and city and regional planning departments will conduct tours of the building and answer questions about programs, finaid, and admissions requirements. The open house will be held at Gund Hall, 48 . Quincy St., Cambridge, on Monday, December 17, from 3pm to 5pm.
- * Auditions for the MIT Community Players winter miniproduction of Blithe Spirit, directed by Sully Bonn, will be held December 13-15 7 17-19 in 1-227 from 7pm to 9pm.



Giving science advice to the President was an MIT-dominated field, while it lasted. Dr. George Kistiakowsky was from Harvard when he was picked by Eisenhower to provide science advice, but is now a CIS Visiting Scholar. He spoke last week to a Science and Public Policy Seminar on "Science Advice for the President."

September '75 goal set for occupation of dorm

(Continued from page 1) much more difficult to raise funds for dorms and recreational buildings than for academic buildings at MIT. Most donors are attracted by our technical capacities than anything else. If you're going to endow yourself with a building named after yourself, you'd rather have an academic facility."

Lack of a housing tradition was also cited by Brock as a factor in the difficulty in raising funds. "Most of our alumni don't have strong associations with the housing system," he "They don't have the tradition of 'dear old Elliot Hall,' or whatever."

Floor Plans

The schematic plans that have been developed are for a five-story building, divided into six "houses." The houses are laid out along an arcade that will run parallel to Memorial Drive, with three houses oriented towards the Drive and the other three towards Amherst Alley. The building will be set directly against the west end of MacGregor, and will be connected to that house to share the common areas there.

Each house will hold between 39 and 64 people, with the houses facing Memorial Drive and the Charles being slightly larger than those along Amherst Alley. The houses will be vertically integrated by means of a stairway in each house which will run up through the common space on each floor.

There will be no basement in the house, due to economic considerations and the connection with MacGregor that will make it possible for the residents to use many of the facilities there. Laundry rooms and other common facilities will be provided on the first floor at the east end of the arcade.

Most of the rooms in the house will be singles; the ratio of single to double rooms will be atout 12 to 1, according to Sorenson. The average floor space in a single, according to information given to The Tech earlier in the term, will be about 155 square feet, as opposed to 120 square feet in an average MacGregor single.



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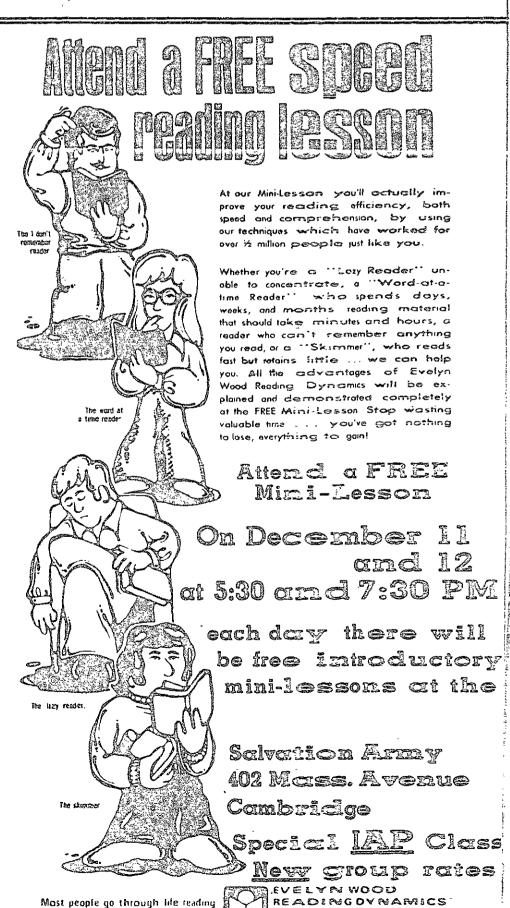
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Students who are curious about the topics above are invited to use an experimental system that offers the opportunity, through recordings, to learn directly from these people. The lectures are unique in that they permit alternating at will between the main discussion and a great many answers to interesting questions. The speaker's voice is accompanied by his own sketches which evolve on a sketchpad unit. The overall feeling is suprisingly personal and responsive.

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without ever learning how

Gaggle cops The Tech board

By Daneene Fry Special to The Tech

The Board of Directors of The Tech from Volume 93 departed in a blaze of glory Saturday, by electing the Volume 94 Board in a room uncustomarily devoid of cigar smoke.

Acrimony and bitter personal attacks keynoted the meeting as in years past. It began with a successful motion to consider the position of Editor-in-Chief prior to the position of Chairman of the Board, in order to consider the full field of candidates for the former position. whom was also nominated for the latter.

Two hours of the four-hour hoard meeting were dissipated in discussion of the relative merits of the two candidates, Norman Sandler Kauffman '75. In the end, Kauffman was elected Editor-inchief, while the special position of Executive Editor, originally created for Sandler, was contin-

ued, with expanded powers and responsibility.

"Sandler should have more time for special projects, and the freedom to do what he wants," outgoing Chairman David Tenenbaum said, summarizing the board's discussion. "The photo editors should work more closely with the photography editors," Sandler said at one point, not necessarily in response.

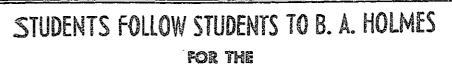
After the Editor election, the meeting became much smoother. Barb Moore '76 became the first woman ever elected Chairman of the Board. John Hanzel '76 was unopposed in spirit for Managing Editor, as was Stephen C. Shagoury '76, who was elected Business Manager. Shagoury expressed "disappointment" that he had no opportunity to answer questions by the Board.

Steven Wallman '75 was reelected Night Editor; Julia Malakie '77 was promoted from Associate Night Editor to the full position, and Robert Nilsson '76 appeared from nowhere and became Night Editor.

Michael McNamee '76 is now The Tech's sole News Editor, but the husky Hoosier told the Board he felt competent to continue in the post single-hand-

Neal Vitale '75 was re-elected with no opposition as Arts Editor; Fred Hutchison '75 is Sports Editor (with Glenn Brownstein '77 as Associate) Tom Vidic '76 is Volume 94 Photography Editor, while Len Tower will hold down the Advertising Manager post, along with Associate Mark Suchon '76.

In an unusual move, everyone who asked to be a Contributing Editor became one. Four of the six persons elevated to this illustrious sinecure are seniors: Roger Goldstein '74, Paul Schindler '74, David Tenenbaum '74, and Sandy Yulke '74. Also elected were Timothy C. Kiorpes '72 (in absentia and without his knowledge) and Dave Green '75.



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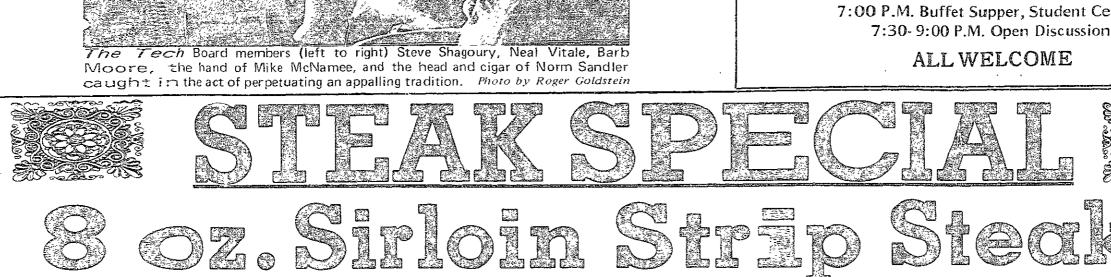
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SQA from Washington

WASHINGTON, Dec 6 – Gerald R. Ford was inaugurated as the 40th Vice President of the United States today with President Richard M. Nixon in attendance. The big question in Washington tonight is: How long will each man retain his current job?

Only one man has the answer to that query and he is entering Bethesda Naval Hospital later this month for his annual check-up. More than one person in this rumor strewn town is betting that during the physical Richard Nixon will be found to have some debilitating illness. Others are guessing that Nixon is debilitated already. It seems clear that although he may maintain the title and accourrements of his office, Nixon has ceased functioning as President except in the most legalistic sense.

This President always limited his inner circle of advisors to a select few Haldeman, Ehrlichman, Mitchell, Ziegler, Kissinger, Colson, et. al. However, this inner circle appears to have constricted to two persons: Presidential Press Secretary Ronald Ziegler and General Alexander M. Haig (USA-Retired).

Item: During the latest Middle East War Nixon delegated authority to Secretary of State Kissinger to handle the crisis which arose on October 25. According to newspaper accounts based on information emanating from Kissinger, after the Secretary of State called the world-wide military alert early on the morning of October 25, 1973, Kissinger notified the President who then ratified the action. Item: Former Colorado Gov. John Love who resigned this week as Director of the President's Energy Policy Office departed the Capitol saying that he had been unable to consult with the President. Publicity shots of Nixon and Love were published, but apparently there was little, if any, substantive policy discussion between the two.

The picture that emerges, then, is one of an isolated President, occupied solely with preserving his freedom from jail, being advised by two persons singularly untutored in American domestic politics. Apparently, Secretary of State Kissinger is running foreign policy; it is not immediately clear whether he is now acting with the President's prior approval or merely informing Nixon after the fact of his actions.

Long knives were unsheathed in the Capitol upon Ford's inauguration. All week everyone was waiting for this event; now it has occurred and the talk of impeachment or resignation has increased appreciably.

Presidential Counselors Bryce Harlow and Melvin Laird have made it known they are leaving soon now that Ford is in office. This symbolizes a withdrawal of Republican support from the President. In an astounding development last May, shortly after he joined the White House staff, Laird lost a power struggle and, noncomitantly, most, if not all, of his influence on an access to Nixon, Ziegler had just issued his famous "inoperative" statement declaring everything he had said in the past about Watergate to be null and void. Laird recommended that Ziegler be replaced. Laird turned around and all of a sudden felt something sharp and pointed between his shoulder blades. Ziegler ended up with an increasingly powerful position on the White House staff. Power is measured in terms of access to the President and time spent with the President. Henry Kissinger was quoted recently as saying, by way of explaining his reluctance to spend time at the state department instead of in the White House, "When I'm not talking to him (Nixon) someone else is." As Secretary of State, Kissinger has less time for hours of rambling conversation with the President.

Haig and Ziegler are at each other's throats. The accounts of the same events given by each man's camp are diametrically opposed. For instance, last week at a White House press briefing Ziegler stated that Presidential Counsel J. Fred Buzhardt had been extremely busy and that perhaps a few mistakes had been made in the handling of the President's legal defense in the matter of the missing White House tapes. This statement was issued while Buzhardt was being crossexamined by Richard Ben-Veniste of the Watergate Special Prosecution Force in Federal Judge John Sirica's courtroom. Buzhardt was trying to explain with a

singular lack of success how an 18 minute segment of a taped conversation between Nixon and former White House Chief of Staff H.R. Haldeman was erased. The next day Ziegler's assistant, Gerald Warren, who was conducting the daily press briefing, was asked about Buzhardt's status on the legal team. At first Warren replied that Buzhardt "still is working" in the office. Later, Warren was handed a note whereupon he apologized and said that Buzhardt was still in charge. Informed opinion suggests that the note came from the President of the local chapter of the West Point Protective Association - Al Haig, Indeed more than one commentator has remarked about the large number of military personnel, either retired or on active duty, occupying critical positions within the White House staff structure.

Rumors are so numerous in Washington that one almost wonders if there is not a rumor factory hidden in a discrete townhouse, which manages to disseminate four or five new rumors every day. The same hot tip will come from two or three independent sources within the course of a single day. If any of these tips should be documented, it would be extremely difficult for Nixon to stay out of jail and in office. Adverse public reaction to the lack of a jail sentence for former Vice-President Sprio Agnew may preclude the same easy treatment for Nixon, should a criminal case against him be developed and proven beyond a shadow of a doubt.

Assume for the moment that Nixon knows he is guilty of a crime and that it is only a matter of time before he is caught. With whom can he bargain his office for his freedom? There is no higher official

within the government. He has not been indicted so there is nothing to which he can plead guilty in exchange for a minimal penalty. Acting Attorney General Robert Bork's legitimacy is being tested in court by Sen. William Proxmire, D-Wis., because Bork has remained in office longer than thirty days and his name has not been sent to the Senate for confirmation as Attorney General. There is a statute prohibiting such action. There is a constitutional question about Senator William Saxbe, R-Ohio's, elibility for the office of Attorney General due to a statute which prohibits a member of Congress from holding any office for which the salary was increased during that member's term in Congress. (N.B. the salary for the Attorney General was increased while Saxbe was in the Senate). Furthermore, what does Nixon have to gain by resigning? There appears to be little chance that Nixon could make a pre-resignation deal stick after he loses the prerogatives of the Presidency through a resignation in exchange for immunity from prosecution. Finally, if Ford were to make a deal it would smack of bribery. (i.e. Nixon would be offering Ford a \$200,000 annual salary plus perquisites in exchange for no prosecution.)

The bombshelis have come too quickly. Since October 6, two months ago today, there has been an Arab-Israeli War, a cessation of hostilities, renewal of combat on a limited scale, an Arab oil boycott of some Western nations, the Dow Jones average has fallen approximately 180 points and then recovered slightly, Ford has been nominated and confirmed, Cox, Richardson, and Ruckselshaus have left office, Nixon has promised to surrender the subpoenaed

letters to The Tech

Racism . . .

To the Editor

It is noteworthy that in-recent articles in The Tech about admissions policy no mention was made of the fact that the current freshman class contained only 31 Black students out of a class of 893 (3.4% as compared to the previous year's 42 out of 1042, or 4.0%). Furthermore, although much attention was paid to attitude surveys, no mention was made of the opinion of Black or other minority students taken as a separate group. Is it possible that the admissions office was unconcerned with the image of MIT among potential minority students? Much has been made of the increased effort to enroll women students which we commend. We feel, however, that this only further highlights what seems to be a diminishing commitment to minority students.

We are concerned that there is a change in MIT's admissions policy away from the liberalized policies of the past few years towards a more hardened "look at their scores" approach. This is a trend which will, if it continues, diminish the opportunities for minority students as well as for white students from working and lower middle class families. Was this cutback an accident or did it represent a change in policy which will be repeated in coming years? Is this a result of the national attack on educational reform which the Nixon administration has been conducting for the past several years, in particular, its cutbacks in scholarship and loan funds? Are there plants to increase the number of minority students in the next class as a way of moving towards racial balance more quickly? (Which seems to us a reasonable step.) What criteria are being applied and how are they being modified to evaluate students from a significantly different background? Are the availability of tuition support funds and rising costs of higher education involved? Certainly, these are important questions, yet no answers seem to be forthcoming.

It is even more alarming that such cutbacks are occurring in the context of a general motion away from the reform spirit of the past decade, in particular on questions of race and class discrimination. Arthur Jensen, Richard Herrnstein, and Willian Shockley have all recently made TV appearances or appeared in popular journals calling for the end of compensatory education, a move towards "meritocracy," and the institution of programs to control what they consider

the spread of low IQ populations. All these men base their arguments on standardized tests which have been shown repeatedly to be class and racially biased. Is it alarmist to regard the cutbacks in minority admissions at MIT (and Harvard and other elite schools) as part of the same tendency?

We do not know the answers to all the questions we have raised. We would, therefore, like to invite people to join us in exploring some of these issues in a lecture series planned for IAP. One of these meetings will present Richard Lewontin, one of America's leading population geneticists and Ned Block of the MIT Philosophy Department discussing the IQ hoax. A second will present Steve Chorover, of MIT's Psychology Department, discussing Psycho-technology and Social Control. We have also sent a special invitation to the Admission's Office to attend, as we feel that much of the discussion will be particularly relevant to their use of such measures such as the Scholastic Index, which we feel is subject to the same criticisms as other standardized measures of aptitude and intelligence. We urge anyone interested in working on these problems to join us.

Howard Shrobe (For the Committee Against Racism)

... and Reply.

(The Tech received a copy of the following letter, which is a reply to the letter from the Committee on Racism elsewhere on this page – Editor.)

Dear Mr. Shrobe:

Thank you for your note and the copy of the letter from The Committee Against Racism to the editor of *The Tech*. The questions raised need discussion. I would be happy to be included in any activity that would develop increased understanding of the problems facing minorities as a group or as individuals.

The Admissions Office is committed to increasing the number of minority students at MIT. The article on admissions in *The Tech* was not one prepared by the Admissions Office, and reflects the questions raised by the four reporters who interviewed me. It does not include all the activities of this office.

It would be my hope that you and perhaps other members of the CAR would be able to find time to talk with me this week.

Peter H. Richardson Director of Admissions

tapes, two of the tapes are unavailable, the President has spoken to the nation twice on the energy source shortage, Dwight Chapin has been indicted, Egil Krogh has pled guilty to a criminal indictment, it has been announced that 18 minutes of subpoenaed tape recording has been erased, Nixon has said he is not a crook. At this point, soundings around the country indicate that people are more concerned about the effects of the energy shortage on their daily lives than about Watergate and Nixon. Minor industrial dislocations are already occuring due to a severe shortage of plastic. Merchants are worried about losing business during the Christmas season and on Sundays in the event that all Sunday driving is banned. The fact that Nixon's concentration on escaping the Watergate crimes has led to a neglect of energy contingency planning, which should have begun over a year ago when the first shortages occured, has not yet dawned on the American people. Nor has the correlation between Nixon's agricultural policies and the price of food been made. When cognition sets in, pressure to impeach the President or force his resignation could mount.

After considering the Rose Mary Woods testimony about how the eighteen minute gap on a subpoenaed tape occurred, one is left with the conclusion that Miss Woods is very stupid, very forgetful, or lying. Her reputation and job are based on the facts that she is both intelligent and possessed of a fine memory. The conclusion is inescapable.

Have a few "what ifs."

What if Miss Woods is presented with an indictment for perjury or criminal contempt of court? Will her story change? What if Egil Krogh supports John Dean's sworn testimony that Krogh's orders in the Fielding burglary came from the Oval Office (i.e. personally and directly from the President with no intermediaries)? What if the White House counsel continues to refuse evidentiary material to Special Prosecutor Leon Jaworski and Jaworksi subpoenas the material? What if any of a number of current investigations of Charles (Bebe) Rebozo's handling of money for the President prove indisputably that Nixon has been engaged in criminal activity? What if it is shown that Bob Haldeman has been running the cover-up by long distance phone from California? What if Charles Rhyne, Miss Woods' lawyer, realizes that he is being played for a fool and decides to blow the lid off the White House? Stay tuned to your local all-news radio station and find out; at times events move so quickly that the hourly newscast contains stale and molding information. In short, one who does not keep one's back to the wall in the White House will quickly feel a sharp pain in the back. Very few people in Washington would be willing to bet that Nixon will be in office on January 19, 1977; a few more, but not many, might be willing to bet that he will be in office on June 6, 1974. There is a Ford in our future.

Continuous News Service

Since 1881

Vol. XCIII, No. 53 December 11.1973

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TechniceMalores

By Storm Kauffman

RAYTHEON has developed a downo-earth antenna array to receive nicrowave energy beamed to earth rom orbiting satellite as part of a NASA-funded study program into he development of the solar power potential. Solar cells aboard a satelite fixed in position above the earth and high enough to be in continuous unlight would change solar energy nto direct current electricity. This vould be converted to microwave energy and beamed to earth where nant arrays, like the model produced by Raytheon, would receive the energy and reconvert it into usable electric power. The scheme employs proven components. Although not presently economically competitive with contemporary electrical generating system, the solar power proposal has the advantage of conserving fuel resources and avoiding pollution. The system could evenjually solve many of our energy problems but present difficulties lay in satellite launch and maintenance, development of high density (energy) microwave beams, and the ability to work through the variety of atmospheric conditions without adverse effects on efficiency and environmental quality.

* RAYTHEON is studying the possibility of using the sea's temperature gradients as a source of electric power. In many parts of the world, the difference in temperature between the warm surface and the colder depths may be as much as 40° F, thus providing acceptable conditions to boil and condense thermal fluids such as propane. In a pressurized vapor state, the thermal fluid can drive a vapor turbine electric generator. This concept, initiated by SEA SOLAR POWER, INC., consists

taining a boiler, turbine, electric generator, condensers, auxilary equipment, and operator living quarters. Consuming no costly fuel, the system promises lower generating costs per kilowatt hour even though the capital investments may exceed those for conventional plants. Other advantages include the absence of air pollution, no solid waste disposal, and insignificant thermal pollution. The concept is already believed to be economically feasible, and the present objective is to confirm the engineering practicality. No mention was made of possible environmental effects of a large scale disruption of ocean temperature patterns that might result from extensive exploitation of this potential.

* RCA (and independently GE) have been developing liquid crystal displays for use in watches, clocks, calculators, and other instruments. Viewed as the next step beyond LEDs (light emitting diodes, which have been increasingly replacing nixie tubes), liquid crystals are flat, lowpower devices which can display any graphic data electronically. Controlled and operated by solid-state integrated circuits, the display consists of two clear glass plates, with conductive coatings, which are separated by a thin layer of liquid crystal material. RCA will initially concentrate on numerical displays for watches, clocks, and lab instruments. These are the most promising immediate markets because of the low cost and power consumption of the displays. Liquid crystals may find future applications in everything from computers to autos, many of these uses requiring the alpha-numeric capability of the displays. The 1973 market for liquid

of a partially submerged vessel containing a boiler, turbine, electric generator, condensers, auxilary equipment, and operator living quarters. Consuming no costly fuel, the crystals has been estimated at \$6 million by the projected 1977 total should exceed \$100 million world-wide. Liquid crystals were first demonstrated by RCA in 1968.

GE has also unveiled a liquid crystal demonstrator which has two lines of 16 characters, each character being made up of 16 segments arranged in a asterisk pattern. The display is made by sandwiching a thin layer of transparnet nematic liquid crystals between two plates of gas. The top plate is coated with conductive film, patterned to form two rows of 15 electrodes. The lower plate is coated directly beneath each electrode in the 16-segment asterisk pattern. As various combinations of the segments are activated by an electrical charge, a specific character is formed. The patterns can form a total vocabulary of 70 different characters in ASCII. the standard code for "written" computer communications. To activate a specific character, a frequency change in the lead to that character causes a change - low frequency causes the liquid-crystal fluid to become cloudy while high frequency returns it to transparency. Transmission speed is from 10 to 30 characters per second. GE has used their display in a demonstrator unit that works like a push-button telephone and converses with computers. No plans exist presently for commercial production.





The Technology Wives' Craft Sale was held in the lobby of Building 10 on Thursday, December 6 from 8am until 7pm. This year the sale had 60 participants and grossed \$4910.

Photo by Roger Goldstein

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Reading: Development of Comprehension and Speed Dr. John Sloanaker
Person to contact with questions:
Dean Robert Weatherall
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The course emphasizes strategies of reading that promote concentration, comprehension, retention of learning, and continuing improvement. Student gains in the mastery of difficult expository materials average between 100% and 200%, the range being all the way from nonmeasurable gains to multiples of 10 or, more over original speeds. The cost to students is \$30, including all materials. Meetings will be daily, Jan. 8-30, from 5-6 in 10-250. Please register and pay by Dec. 14; the fee is refundable up through the 3rd class day.

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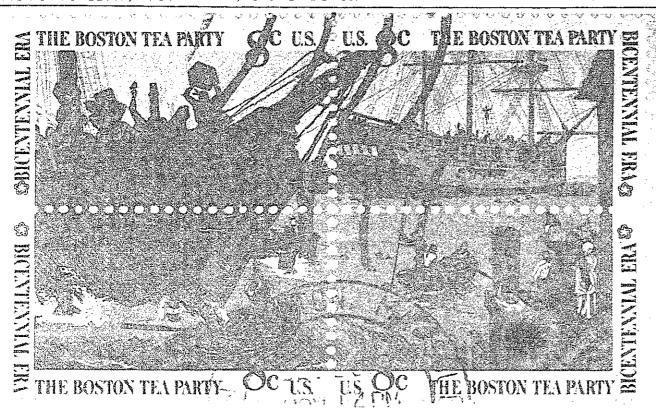
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Battling for the Tea Party myth

(Continued from page 1)

The Boston Tea Party Plan of the PBC is designed to address the "issue point of view, not a reenactment," as Bob Leonard, another organizer, puts it. Their theme is "Impeach big business, too," and they feel that the bicentennial is an effective way of getting the American people to look at corporations, big business, and other ways in which the country has grown away from what the PBC sees as the true values of the Founding Fathers.

The Revolution, according to the Commissions view, represented a radical turn in thought; the colonists were not just throwing off the British monarchy, they were removing the rule of the rich over the poor and climinating the influence of big corporate monopolies (such as the East India Company, against which the original Tea Party was directed) from government.

Needless to say, the PBC sees many parellels between "then" and "now." "White's commission is rooted into corporate interests," Howard told *The Tech.* "The Revolution stood for breaking up concentrated wealth, not aiding it."

The Beaver is owned by Salada Foods, Inc., a major distributor of tea. The mooring of the ship, and the sight of the celebration, is just across from the Sheraton (as in ITT) Headquarters, right around the corner from the A&P building where the United Farm Workers have been picketing.

A little history...

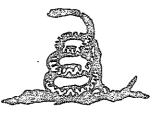
The PBC did not surface just recently, according to Howard. "We began about two and a half years ago, as a counter to the Nixon Commission [the ARBC]," he said, "Nixon launched the 'Bicentennial Era' as a part of the '76 election campaign — according to some staff memos going around the White House, it was to be the 'single most massive peacetime PR campaign' ever to take place in America."

The 'counter-commission' got its first big break when documents were leaked out of the White House concerning Nixon's plans for the bicentennial. According to these docu-

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ROYAL PIZZA 450 Mass. Ave. Ph. 491-7293 ments, Jeb Magruder was to be named head of the Commission, which would be involved in such tasks as endorsing history textbooks as "official Bicentennial" editions, sponsoring TV programs and commercials, and endorsing products and giving them the right to associate themselves with the ARBC and use its emblems. All-in-all, it was, according to Howard, "a red,



PEOPLES BICENTENNIAL COMMISSION Action Center

white and blue rip-off."

The White House leak "flattened" the original plans for the ARBC, according to Howard; Congressional Hearings in the House Juciciary Committee censured the Commission for its schemes, and the Nixon Aministration was badly embarrassed. But the expose had an almost greater impact on the PBC: "It created a total vacuum. . . . We started as a counter-commission and ended up as the only national organization concerned with the Bicentennial," Howard said.

So the PBC moved from a left-oriented organization com-

posed of old New-Leftists to a legitimate group concerned with the planning of America's biggest festival. Local People's Commissions started springing up all over the country, many of them working through the political system to get their message across. And their message is multi-faceted, ranging from the Child Care Declaration of Rights which was sponsored by the PBC to putting up slates of candidates in city elections in Santa Cruz, California last spring and winning.

The Tea Party

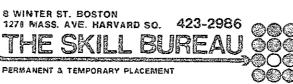
Howard said the PBC started looking at the Boston Tea Party over a year ago: "We knew that events would be building up to a pressure-cooker atmosphere over the next four years, with '76 being the key year. Staging the Tea Party here would be a great media event, and would really set the tone for the Bicentennial celebration. We wanted to have a hand in setting that tone."

Howard expects the "Second Boston Tea Party," as he refers to the PBC effort, to bring national publicity without alienating people. "We don't want to be branded 'irresponsible' right off the bat," he said. "There are many different ways to involve people; as we move towards '76, we will get more and more into public demonstrations, and direct confrontations."

For now, the PBC is urging people to come on Sunday, to "impeach big business, too." As they say, "Be prepared to make history."

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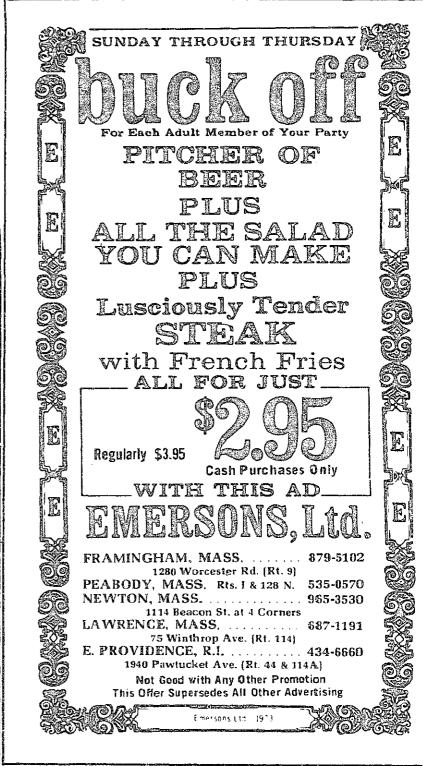
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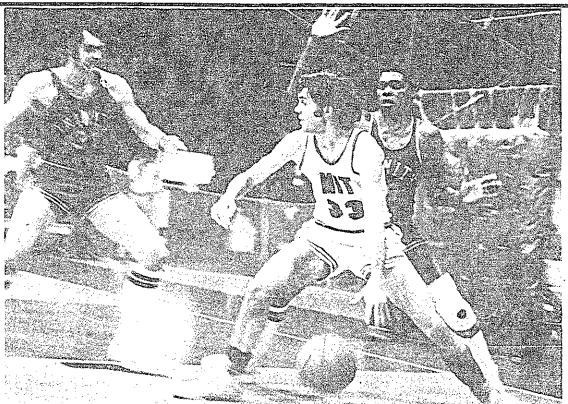
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For more details see Peter Büttner or Nancy Wheatley before December 21, at the FAC, Room 7-103, extention 3-6771.

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Cam Lange '76 dribbling through enemy traffic.

Photo by Tom Vidio

skeiball

By Glenn Brownstein MIT went down to its secondstraight basketball defeat Saturday night at home against Trinity, 96-64. The Engineers completed their pre-Christmas sched-

ule with a 1-2 record.

closely contested, as an early 25-13 Trinity lead was narrowed by the Engineers, who pumped in many outside shots to counter-act the Bantam defense. Cam Lange '76, Bob Roth '74, and Marc Thompson '76 led the late first half surge, Lange and Roth with good outside shooting, and Thompson with two sweeping hooks. MIT closed to within three points with three minutes remaining, 32-29, and trailed by

only 36-31 with 1:10 to go in

The next seventy seconds could be called the turning point of the game, though, for MIT missed a couple of layups, Trinity driving back each time to The first half of the game was score, once for a three-point play. The Engineers narrowed the gap to 41-33, but Trinity closed out the half with another basket for a ten-point halftime

> Early in the second half, Trinity jumped to a twenty-point lead as MIT, forced to play catch-up ball, made many turnovers and missed some forced shots. Lange, who had picked up three first-half fouls, fouled out midway in the second half and

from that point, MIT had no chance of recovering as Trinity pulled away for the win.

Lange led the Engineers with 15 first-half points. Bill Courtwright '76, moved into a starting role replacing the injured Peter Jackson '76, pulled down nine rebounds for MIT.

MIT had another poor shooting night, due in part to the pressing Trinity defense, shooting 24 for 72, or 33%. By contrast, Trinity shot 54% and outrebounded the smaller Engineers, 57 to 45.

In a preliminary to the varsity game, the JV/freshmen lost their third game in as many starts to Trinity, 70-53.

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Sports

Brandeis and WPI lose to MIT

Track team scores in all events except 1000 yd. run

By Don Shobrys

MIT won a triangular against Brandeis and WPI last Saturday with an outstanding team effort. scoring in every event except the thousand yard run.

Leading the way were cocaptains John Pearson'74, whose toss of 54 feet 3 inches took first place in the 35 pound weight throw, and Gary Wilkes '74, who took second in the fifty yard dash; Wilkes also placed third in the shot, fourth in the long jump, and ran a strong leg on the second place mile relay. Freshman Richard

Okine took first in the 45 yard high hurdles in 6 seconds flat, and followed with a third in the fifty yard dash.

MIT's relative strength in the field events was evident as the engineers took 39 out of a possible 66 points. Walt Gibbons '73 led a sweep of the first three places in the high jump. Yaw Akoto's '74 first place jump of 45 feet 1¼ inches in the triple jump was followed by Henry-Asare's '76 third place effort and Mike Ryun's '76 fourth place finish. Freshmen Steve Hyland

and Jim Williams took first and second respectively in the pole vault.

Al Carlson '74, took second in a sit and kick mile, and came up with another second an hour later against fresh opponents as he doubled in the two mile. Courtney McCracken '76 was six seconds behind Carlson in the two mile with a third place time of 9 minutes and 49 seconds.

Final Score: MIT 67 Brandeis 62 WPI 19. This was the last meet before IAP and brings the teams season record to 2 wins

Fencers defeat Harvard

On Wednesday evening, December 5, the MIT fencing team defeated an extremely strong Harvard squad to continue their undefeated record. The winning streak began last Wednesday with a victory against the Alumni team, and continued with overwhelming victories against Brandeis and Yeshiva on the weekend.

The Foil team was the bright spot against Harvard, as it has been all season. The team of Johan Akerman '77, Richard Reimer '77, and Arlie Sterling '77 pulled an amazing string of 7 victories out of a possible 9. Both Sterling and Reimer lost one bout, while Akerman held his top position by defeating all comers. The quality of the fencing displayed by the foil squad was generally quite high. The MIT Foil team is composed entirely of freshman, while the Harvard team was composed of

made the Tech victory all that more remarkable, and bodes well for the next four years of the Foil team.

The Sabre team also did quite well, claiming 5 victories out of a possible 9. Dony Park '75 was the bright spot on this team. As he went undefeated. Both James Kallmartin '75 and John Kaplan '76 pulled in one victory apiece to stop another strong Harvard team. Kallmartin and Kaplan have enormous potential, and they both have high hopes for the rest of the season. With the strong leadership by Park, the Sabre team should come to be one of the strongest in the New England area.

The Epee team was the only disappointment of the evening, but managed to pull out a third of the possible victories. Holt Farley '75 was the strongest member of the team, winning 2

Seniors and Juniors. This fact of his 3 bouts, Jim Cook '75 got another victory, while Chris Eckel '74 had a bad night, dropping all of his bouts. This kind of performance is certainly not typical of the team, as they were strong contenders in all of the other matches this season.

In all, the evening was a convincing demonstration of the MIT fencing team's possibilities. A turnaround of the Epee team's fortunes is certain, and this, combined with the already strong Foil and Sabre teams, should easily lead the Tech team to a brilliant season. The team spirit has been very high at all the meets so far, and Maestro Vitale and Coach Sallee are convinced that the rest of the year will be even more productive. The 15 to 12 score shows clearly that the team can work well even under pressure, so if the opposition can get close enough to give the team some good competition, the team should respond ably.

This weekend there will be another important event as the fencing team will take on Brooklyn College, and there are high expectations of another victory.



and the two mile event in a triangular meet on Saturday.



The woman's gymnastic club held a demonstration of their skills after the MIT-Lowell Tech match, which MIT won on Photos by Rich Reihl and Fred Hutchison

Swimmers lose 2 meets to Tufts and Springfield

a very close contest to a vastly improved Tufts team 58-55 last won by MIT. week,

The upset loss to Tufts and a 90-23 trouncing by the defending New England champions, Springfield College, dropped the swimmers to a 1-2

The Tufts meet on Wednesday was so close that if one third had been turned into a first or two seconds into firsts, MIT would have won the contest.

The meet was decided in the next to last event, the optional diving. Rick Ehrlich '77, after winning the required diving event, was narrowly defeated by Tufts then went on to win the 400 yard freestyle relay and clinch the meet.

Leading MIT in scoring in the Tufts match was Peter Schultz '75 who won both the 500 and 1000 yard freestyle events. Dave Deacon '75 and Dave Schloerb '76 won the backstroke and breastroke events, respectively,

The MIT swim squad dropped and then each went on to swim a leg of the medley relay, an event

> The Springfield meet held last Saturday at the Alumni Pool went pretty much as expected with the superior Springfield squad simply outswimming MIT.

Deacon gave the Tech swimmers their only first in the swim events, while Ehrlich picked up a first place finish in the three meter optional diving.

It is interesting to note that Springfield came to the meet with 39 swimmers, which is almost twice as many as a normal swim team. The full ramifications of this fact were evident later in the day as the Springfield swimmers mounted a very balanced attack, while fielding several good swimmers in every

MIT's fighting wrestling team won two more matches Saturday, December 8 to bring their pre-Christmas record to 4-0, beating Wesleyan 24-18 and the University of Massachusetts 21-18. MIT had not defeated perenially strong UMass in 4

Jack Mosinger '75 at 118 pounds easily took both of his matches with two quick pins. The six team points he got for each pin were very important as indicated by the close final scores. Takedown artist Ed Hanley '74 at 126 pounds beat Philip Tong of Wesleyan 27-6 and edged Larry Reynolds from

Wrestlers record now 4-0 MIT grapplers beat Wesleyan 24-18 and UMass 21-18

UMass 3-2 in a tight match.

At 134 pounds, freshman Werner Haag lost to Wesleyan after injuring his shoulder in the second period. Jordan Silver '77 replaced Haag against UMass but also succumbed. Rich Hartman '74 thrust forth his last drop of energy to pin his man from Wesleyan and then staggered back to pull out a 4-3 victory over his UMass opponent Bob Gahl '74 at 150 pounds came from behind and slipped past his foe from UMass 5-4, but then lost to a polished wrestler, Doug Hurd, from Wesleyan.

Loren Dessonville '75, wrest-

a substantial weight loss, rose to the occasion Saturday night to win both of his matches. Then at 167 pounds, Ken Schwartz '76 lashed out and beat Wesleyan 5-1, but UMass' excellent wrestler Steve Benson whipped him unmercifully for a 13-4 victory. Joe Tavormina '76 helped the Engineer cause by winning one and tying one at 177 pounds. Unfortunately, Dave Grasso '75 at 190 pounds and Erland van Lidth de Jeude '76 at heavyweight lost their matches, but not without valiant efforts.

All in all, the team wrestled very well and hopes to extend its

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