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Cambridge, Mass.,

Friday, March 22, 1968 5c

# Modigliani analyzes world gold position

By Steve Carhart  
(Ed. Note: In 1966, Professor Franco Modigliani (XIV) and Professor Peter Kenen of Columbia University were the authors of a widely circulated paper entitled "A Suggestion for Solving the International Liquidity Problem." In this treatise they outlined a plan for replacing gold with a new international monetary unit, the Medium for International Transactions (MIT), which would be issued by an international bank.)

Last weekend's decision by the Governors of the central banks of the London Gold Pool nations (Britain, the Netherlands, Belgium, Italy, Switzerland, Germany, and the US) to halt sales of gold to the private market and gradually use Special Drawing Rights with the International Monetary Fund to supplement gold reserves will probably overcome the current international monetary crisis, according to Professor Franco Modigliani of the Departments of Management and Economics. However, there remain several substantial obstacles in the way of the implementation of the plan.

#### Blame the French

Tracing the origins of last week's panic, Professor Modigliani placed much of the blame for the gold rush on the actions of the French government. He

explained that the French are jealous of the willingness of the postwar Western world to use the dollar as a reserve currency and feel that this has the effect of allowing the US to buy goods abroad merely by printing money. Actually, though, most of the dollars spent abroad are really short-term investments rather than purchases of goods. However, the French feel that this ability to "create" dollars must be combated by forcing the US to devalue its currency. In order to accomplish this goal, the French have used the US balance of payments problem as a "lever" to force devaluation. Naturally, if the dollar is devalued relative to gold, the French experience a great gain in the value of their gold hoard and nations which have been holding dollar reserves as a favor to the US will be hurt.

What triggered last week's frantic speculation? Professor Modigliani was unable to cite any specific incident, but instead listed a number of factors which have been acting for some time and which evidently combined and grew to sufficient magnitude last week to create a major crisis of confidence in the dollar. Continuing deterioration of the Vietnam situation and escalation of the war, the

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## Method sought

# Faculty to fund community service

Several observers who were interviewed after the Faculty meeting Wednesday agreed that the Faculty endorses the idea of making personal contributions toward social service projects. This consensus became apparent during discussion of an assessment plan which was presented at that time, but which was not approved.

Prof. Leonard J. Fein, of the Faculty Committee on Community Service (which presented the plan), said that another proposal would be submitted at the next faculty meeting April 10. Fein said that what matters is not that the proposal was rejected, but that the Faculty "endorsed the principle" and

charged the committee to prepare another proposal.

Wednesday's proposal was a "voluntary tax" which the Faculty would levy on itself, and which would be a step beyond mere contributions. Under the tax, a faculty member who did not wish to contribute would have to sign a form exempting himself, rather than merely fail to contribute. The tax, it was proposed, would be of around \$10 per year, and would be graduated by faculty status, the higher ranking professors paying more.

It was proposed that the proceeds from the tax go to social work conducted by the

students and faculty of MIT, rather than outside agencies. This principle will presumably be carried over to subsequent proposals of the Committee on Community Service.

## SSC planning to mobilize 1000 for Operation Target work projects

The MIT Social Service Committee has announced plans to mobilize more than a thousand students for short-range service projects. The plan, "Operation Target," will involve students from fraternities, dormitories, and student organizations in a week of service to the Boston and Cambridge communities. Scheduled for April 15-20, the project will focus on projects that can be completed during the week or on the last day, Patriot's Day.

The primary aim of Operation Target is to give MIT students a "chance to get involved in urban affairs via short term projects." Operation Target

will also "test the desire and willingness of students" and hopefully open new areas for long range projects of SSC.

Steve Strauss '68, chairman of the SSC, explained that the project will also bring students into closer contact with concerned adults in the community. "We would like to let people know what we're like and perhaps change some of the mistaken impressions many of them seem to have about college students.

"We are also trying to get more students involved in the kinds of service our committee is involved in throughout the year," he added. "We already

have nearly 300 regular members on the committee, but we think this number will climb once the others experience for them-

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## First Community Forum meets mixed response

Last Saturday Inscomm held its first community Forum. This Forum replaced the old Exeter Conference and was open to all students, faculty, and interested parties. Although some aspects of the day were exceptionally promising, others were quite unexpected and disheartening.

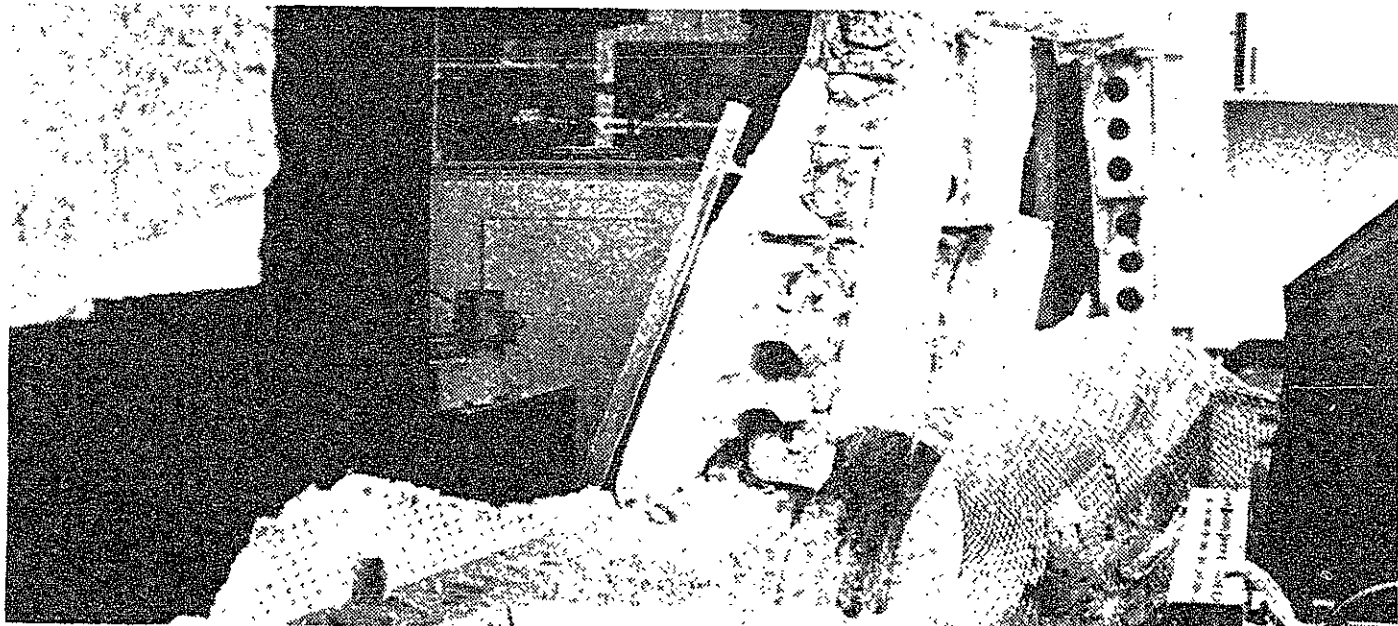
In the promising category was the response of the administration and faculty. In the disheartening category was the almost total absence of Inscomm.

The day's proceedings went something like this: a member of the faculty would address the assembly on one aspect of MIT then the assembly would break up into small discussion groups headed by a Forum committee member. He would report any significant ideas or findings back to a central clearing desk for processing. Apparently the most impressive part of the day was the discussion time. Peter Lindner, '71, remarked, "It was a tremendous experience to meet the professors face to face and get their views first hand."

In an interview with Maria, the question was brought up of what would be her policy on the suggestions and ideas which the Forum brought up. To this she replied, "The policy I'll use here is the same one I believe should be applied to all student government. Student government is only a means to an end. It is the means to

implementing action on any and all problems that the student body have. All suggestions will be evaluated solely on their merit and the appropriate action taken."

## Explosion wrecks laboratory



By Dean Roller

Dozens of students and employees of the Institute were startled Tuesday morning by the sound of an explosion that rocked the fourth floor of Building 4 shortly before 10 am. The fact that some accident had taken place became obvious to many more as several Cambridge fire trucks and rescue teams arrived and erected a ladder to the top of Building 5. Firemen searched Buildings 5 and 7 before they were directed to the labora-

tory, at which time they moved around onto the Great Court.

The explosion was located in the laboratory of Prof. Emeritus Nicholas A. Milas in 4-404 and occurred in connection with the distillation of tertiary butyl hydroperoxide. The teaching assistant who was conducting the distillation, Miss Eva Fleszae, was not in the laboratory at the

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Photo by Art Kalotkin

## 1307 applicants offered admission

On March 29, the Admissions Office plans to mail out notices to some 3636 American and Canadian students who applied for admission into the MIT class of 1972. Of these, 1220 males and 87 females are to be admitted, and another 141 will be placed on the waiting list. The office expects that out of those accepted, about 800 males and 65 females will enroll.

Still to be considered are some 250 Foreigners and 80 "Late Cases"; that is, students who completed their applications late or from whom more information is required before the Admissions Office can make a final decision. Out of these, another 75 are expected to enroll, making the projected size of the class of '72 about 940. These students will have been chosen out of a significant 8% increase in applicants as compared with last year.

The only important difference in expected enrollment in the class of 1972 over recent classes is the addition of 15 more coeds. This trend is expected to continue for at least one more year, or until the average number of coeds per class is about 75. This is due, of course, to the completion of McCormick East last month and the recently made decision by the Dean's office to permit senior coeds to live off campus.

# NASA deputy head takes MIT posts

By Jay Kunin

NASA's number two executive has resigned to become the Jerome Clarke Hunsaker Professor of Aeronautical Engineering (Visiting). Dr. Robert C. Seamens Jr., an alumnus of MIT and also a former faculty member was deputy administrator of the space agency until January 5.

During the spring term, Professor Seamens will serve in both the Department of Aeronautics and Astronautics and the Alfred P. Sloan School of Management. In addition, he will continue to serve NASA in an advisory capacity.

In announcing the appointment, President Howard Johnson stated, "Dr. Seamens brings to our faculty and student body a productive background in the technology and science associated with aerospace engineering and, equally important, a rich understanding of the marshalling of diverse technological resources for the achievement of major national goals."

#### Budget problems

In an interview Dr. Seamens discussed the present and future plans of NASA. The major problem facing the agency now is the uncertainty in their budget appropriation. Several years ago, NASA hit their peak budget of about \$6 billion, employing 420,000 people. According to Seamens, they expected that as new projects were phased in, the budget would level off at slightly over \$5 billion. However, the Vietnam War has taken its toll of the agency's appropriation so that this year's budget amounts to a \$500 million reduction from last year. Because of this, NASA has cut expenditures by \$300 million, and is cutting about 4000 employees per month. These figures include people employed by NASA, its contractors, and their subcontractors.

The great concern of the space agency is the fact that much of the President's pro-

posed \$9 billion budget cut for fiscal 1969 may come out of NASA's appropriation. Their request was for about \$4.4 billion, from which the House has already cut \$150 million; the final total may be sub-

stantially less. technological research and provides the equipment for future planned space exploration. Planetary probes and communications and information-gathering satellites are included among NASA's pro-

impossible to predict who will land a man on the moon first, though the Russians may attempt to bring back moon samples by unmanned probes. In all, according to Seamens, the Russian program is at least advanced as ours; when contrasted to respective Cross National Products, their total resources in this area are about twice ours.

Returning to Project Apollo, Seamens remarked that this year will see three more Saturn launchings, and that manned trips would involve five launches next year, ostensibly culminating in a lunar landing late in 1969. The astronauts who will land on the moon are now being given geological training to enable them to bring back as many varieties of lunar landscaping a possible within their 60-pound limit. The material will be transported in sterilized containers to more than 100 different labs in this country and several overseas. The project plans call for seismic instruments to be left on the lunar surface, powered by an isotope power supply designed for continuous service for at least one year. After the first successful landing, the decision will be made whether to return to the original spot or to pick another site, the latter being generally preferred. After Apollo, longer duration flights are planned to get information about the effects of such flights on biological systems.

The future of interplanetary research is rather uncertain. There are now fifteen Saturn V's ready or in production. If, as planned, the lunar landing is made with the ninth booster, the fate of the others is unknown. Of course, all present equip-

ment will be used if necessary to successfully land men on the moon. In the far future is a Mars orbiter, perhaps a crude Mars landing. Seamens said that he does not envision planetary flight until at least the 1980's.

Speaking of the space program and NASA in general, Dr. Seamens feels that it is possible to fit them in with the problems of the country. The advances being made by NASA gives us a better understanding of the earth systems, including meteorological, oceanographic, and land dynamic systems, as well as the near-space region close to the earth. One of the most interesting and useful projects visualized is that of putting a large telescope outside the earth's atmosphere, either in orbit or on the moon's surface. Dr. Seamens believes that any reasonable expenditures for programs of this nature are justifiable, in order to fulfill the "human desire to learn about the universe."



Photo by Steve Gretter

Dr. Robert C. Seamens, Jr., Visiting Professor in Course XVI, relaxes next to a picture of Copernicus.

stantially less.

According to Seamens, much of the funding of NASA goes for advanced technological research—such as the electronic research being done at MIT; structures and stabilization at Langley Research Center; and propulsion at Lewis Research Center. His hope is that these programs will not suffer from a budget cut. However, his major concern is with the Apollo project, which receives 70-75% of the budget. Since we are eight years into the lunar landing program, with less than two years to go, Dr. Seamens stated that any dramatic change in the program would be "like changing a pregnancy after eight months."

The Apollo Applications Program is an offshoot of the Apollo project; the development of boosters and advanced electronics for the moon landing both stimulates other advanced

jects. These, especially the application program, are most likely to be severely damped by a budget cut.

Asked to compare our space program with what is known of the Russians', Dr. Seamens said that the USSR has a very "well-conceived" program. Their present booster exceeds the capability of our Saturn I, and we believe that within the next year they will unveil a booster larger than the Saturn V, our Apollo booster. The fact that the Soviets have succeeded as we have in rendezvous and docking maneuvers, and that they have sent large payloads to lunar distances, makes it

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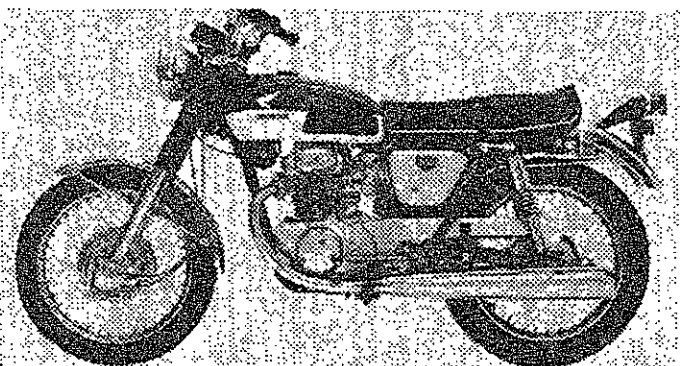
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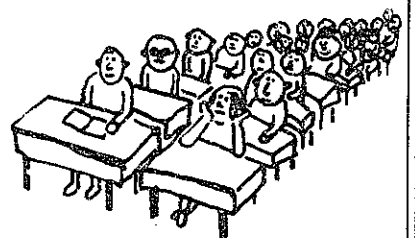
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# Projects planned for Target

# Secretariat selects 29, Choice '68 among plans

(Continued from page 1)

art.

Other projects include renovation of neighborhood houses, community clean-ups, and a clothes drive for needy families. Operation Target will also raise money by sponsoring a folk concert to climax the end of the project on Saturday night. The proceeds will be donated to local charities.

### Living group level

Operation Target is organized around a small central committee with connections with

the Dormitory Council, Interfraternity Council, Graduate School Council, Activities Council and the Institute Committee. The projects will be determined and organized on the living group and activity level. The projects will be assigned to interested groups according to interests, ability, and skills of the students involved.

### Project schedules

Projects will be assigned during the first week of April. Final organization of the projects on both the individual and overall levels will take place April 8-14. The early part of the Operation Target week will than take place with work on the small projects after school and evenings. April 19 will be the major day for the larger scale projects involving whole living groups. Most of the work will be done that day. The week ends the 20th with the folk concert.

Secretariat has announced the appointment of three division heads and twenty-six members for the coming year. This is in contrast to last year's makeup of four heads and twenty-one members.

Working with Chairman Bruce Enders as division heads will be Bob Veleger, Karen Warrel, and Wayne Wenger, all sophomores. The secretariat freshmen are Dale Geiger, Neal Satten, Phil Abbot, Marya Sieminski, Randy Hawthorne, Dick Stokes, Ken Wooling, Pete Linder, Marsh Schorin, Carter Smith, Matt Bloom, and Jack Hiatt.

Also, Joe Angland, Dave Cutright, Ray Huey, Zane Segal, Travis Jackson, Chris Brewster, Mitch Serota, Fred Kummer, Bob Wilson, Tim Yopp, Ken Gerber, Barry Sherman, Jerry Namery, and Gerry Rovelsky. Choice '68 (April 24) and Freshman Orientation will be among the first projects secretariat will handle.

# Explosion does \$10,000 damage

(Continued from page 1)

time. There are conflicting reports concerning her reason for leaving the room, but chemistry students are instructed to leave the laboratory if an experiment appears to be going out of control.

Preliminary estimates by Physical Plant placed damage to equipment and surroundings in excess of \$10,000. A hole twenty feet wide was blasted through the foot-thick wall,

frosted glass windows leading to the hallway were completely smashed, and shelves were jarred loose from the wall by the impact of the explosion. There was no radioactivity danger, but pungent (though non-toxic) fumes filled the nearby halls for the remainder of the morning. Fortunately, there were no injuries and work in nearby organic chemistry laboratories returned to normal in a short time.

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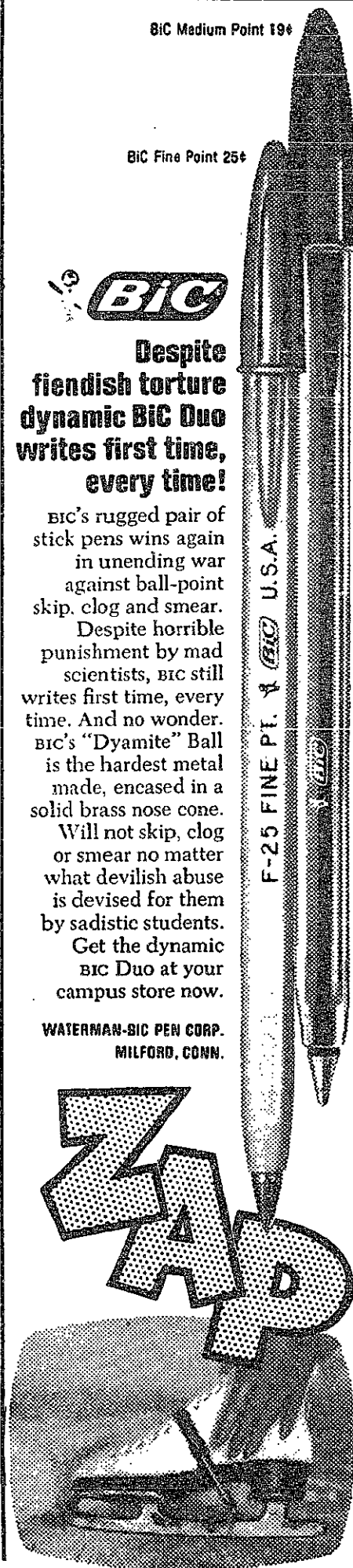
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# MARIA ...UAP

Since this is my first article for The Tech I will bring you up to date on some of the things Inscomm and student government have done.

Elections for members of all the major committees have been eliminated. Thus Inscomm spent only one meeting electing the Committee chairmen. Organization meetings for the committees have been held and their membership is virtually complete. For those people who were not elected to Secretariat or the other committees, you are welcome to come help me, to be an "ad hoc" secretary force to help on student projects. There is a lot of work to do and I really need the help.

Inscomm's Viet Nam poll is being evaluated by two members of the old Inscomm as part of a thesis. They are using computer analysis and will take in getting results. It is Inscomm's feeling that this poll with a smaller sample space will not add anything to the results of The Tech's poll already published, so it is likely that Inscomm will do nothing more with it.

### Idea people

I will be setting up a group of people to discuss student government, a presidential committee of advisors. Appointed will be those people who have original ideas about student government and whom I can work with. They don't have to be in student government, but interested in change and redirection with constructive suggestions on how to go about it. They will be interested in coordinating environment, education, activities or in working on specific parts of these but all will be directed to involvement of MIT students in MIT.

Our first attempt to involve MIT students in MIT came with the MIT Community Forum, (held last Saturday in the Student Center.) The number of students who came was a little disappointing and I'm sorry if you did not receive your invitation quite on time. Nevertheless, I think it achieved as Tony mentioned in his last editorial, something initial. I hope you will come to future discussions.

The purpose of the Forum was to explain the way decisions are made at MIT; to show the

various points of view of the students, faculty and administration, to bring them closer together to see where new relationships can form among them and to inform. There were three sessions, keynoted by speakers like President Johnson, Dr. Wiesner, Profs. Hill and Millon, and Rich Adelstein. The sessions dealt with how decisions are made at MIT, education at MIT; and the Community. After each speaker we broke up into discussion groups or had general discussion with the whole group. The most dramatic part of the whole Forum came when the students confronted the members of the faculty and administration with their feeling that students should be allowed greater participation and at least a chance to watch faculty committees make decisions affecting them, such as pass-fail.

### Discussions Continue

I asked each of the students who attended to write down their impressions of the Forum, and if they have not done so yet, I would still like them. Those I have received have commented on the openness of this meeting compared with similar events in the past. Unfortunately, not enough of the students who would have been the most important ones to hear were there. A comment was made that some members of the administration seem unwilling to recognize the discouraging effect MIT has on a good number of students. At the very least, many of the discussions should be continued with smaller groups of students and members of the administration during the coming months.

On Sunday April 7 at 2:00 we will be having the first of a series of open, informal meetings which we hope to have at least once every three weeks. It will be an Inscomm meeting, but more a student meeting. I hope you will attend. Absolutely everyone is welcome. The agenda is not quite complete yet I'll let you know soon about where it will be and what it will be about. Dean Wadleigh will be there and there will be a presentation and discussion concerning, among other things, the location of a place for students in the main part of the Institute, a place where people could relax, talk, stop - informally. It will be a place where students can go between classes that will be open, accessible and welcoming. At this meeting the members at large of the Executive Committee will be elected.

# footnotes\*

by Dean Roller

16. Prof. Jerome Lettvin is making Boston newspapers' gossip columns again. At a recent open discussion a Newton woman asked him to tell her how to bring up her children. Answered Lettvin, "If I knew how to do that with exact science, I'd make a pill to do it and sell it."

17. MIT students are beginning to wonder what post will fall next into the hands of the female minority here. Following Maria Kivisild's startling election as UAP, Barbara Padgett, '69, was decisively elected president of the Concert Band over her opponent who was branded as a typical "politician."

18. Speaking of female superiority, an interesting episode occurred at the UAP Debate at Baker House before election day. Ed Seykota noted that he didn't have any buttons or posters like Jim Smith or Bruce Enders. Pointing at Maria Kivisild's chest where she was wearing some of her campaign ribbons, Seykota said "I don't have any of those either!"

19. Who ever said that research at MIT goes unheralded by the outside world. Anyone reading one of the recent Batman magazines could not help but be overwhelmed to see Batman admit that he trapped an arch-fiend by adapting electronic instruments developed at MIT in order to follow the movements of his foe while hiding behind a shield of clay. Holy radar Batman!

20. One note that went unmentioned in reporting the National squash championships held at MIT was the unexplained absence of the Trinity College team, one of the better teams in New England. Due to faulty phones at the Charter House Motel, the four representatives of Trinity at the competition overslept and defaulted their matches. The college has vowed to send their team to another hotel next year.

21. At last month's dedication of Random Hall, House Master Prof. Ronald Walter surprised most of the residents as well as all the guests in unveiling a portrait of the House's namesake, J. Arthur Random. The true identity of the distinguished looking gentlemen is still under conjecture, but Dean Wadleigh insists it is his longtime friend, Lord Bexley.

22. PS 63 in the Bedford Stuyvesant area of New York City is a special school for children with learning problems. In order to encourage their students they are naming the classrooms after colleges, among them MIT. The room is decorated with banners, pennants and pictures of the college. The aim, according to the Principal Fred Greenbaum, is to inspire "young children who have already failed" to "excell in their class work." We can only wonder whether a school which teaches students, who have already excelled, how to fail in their class work was really an appropriate choice.

## Letters to The Tech

To the Editor:

The announcement of Straight T winners came as a great shock to knowledgeable members of the MIT community. Those who did receive the awards were certainly deserving; however, there were three glaring, flagrant, unforgivable omissions.

1. Jack Masham-wrestler-winner of the New England championship Jack not only won the New Englands (a feat attained by few in MIT history), he also sustained only one loss during the regular season, and that due to an injury.

2. Steve Schroeder-lacrosse captain 1967. Steve set the MIT career record in scoring, led the team in scoring 2 out of three years was named to the first team All New England, and was the mainstay of the team for three years.

3. Greg Wheeler-Greg was not only named to the All New England team in lacrosse but also made honorable mention All American as well. One of the leading scorers on the team, Wheeler's hard nosed play made him one of the best lacrosse players in MIT history along with Schroeder. In addition, Wheeler received seven varsity letters during his undergraduate career including one in outdoor track and lacrosse during the same season.

It is inconceivable that these three exceptionally fine athletes did not receive the Straight T. All three gained the national and regional recognition required for the honor. The omission of these men is inexcusable and indicates the inability, lack of judgment, lack of interest, and gross ignorance of the Varsity Club Council.

As a team captain and member of the Council present at the election meeting, I can only conclude that I am now thoroughly ashamed to be in anyway associated with Varsity Club Council and hope that in the future the election of Straight T winners will be left to the coaches.

Tom Chen '68

## College World

# Good times at Alabama colleges

By Dean Roller

Although the state of Alabama has been frequently making the newspaper headlines in the world of politics, one would rarely hear about colleges and universities there were it not for their athletic prowess. Bearing this in mind, Moderator magazine has awarded their February GLOF Award for "General Lack of Fiber" to the higher education system in Alabama.

### "I hated to leave!"

Bryant Hall, the athletic dormitory at the University of Alabama houses 130 student-athletes and cost a little over \$1 million. The Associated Press reports that the three-story building, which occupies a central position on campus, is centrally heated and air-conditioned. Besides having all players' rooms carpeted, other luxuries include two dining rooms, four guest rooms (each containing a color TV set), a ladies lounge, and an Italian Provincial lobby which opens onto a courtyard abounding with fountains shooting water several feet upward. Said a recent quarterback at Alabama: "I can honestly say I have never stayed in any place so plush. I hated to leave. In fact, I threatened to barricade the room and force them to move me out. This is not what you would normally think an athletic dorm would be like. You have to see it to believe it."

The athletic dormitory is named after Bear Bryant, coach of the football team, and was only done so following a special act of the state legislature which usually does not permit state-financed buildings in Alabama to be named for a living person. Calculations show that over a 30-year period the University is spending over

\$206 annually to house one of these students. The per capita State expenditure for education in Alabama amounted to \$107.52 last year. In addition, calculations show that housing, feeding, and providing tuition, travel, equipment, medical care and transportation for a football team costs over \$7500 annually per player, an interesting observation in light of the fact that Alabama ranks 49th out of 50 states in percentage of teachers earning \$7500 and over annually.

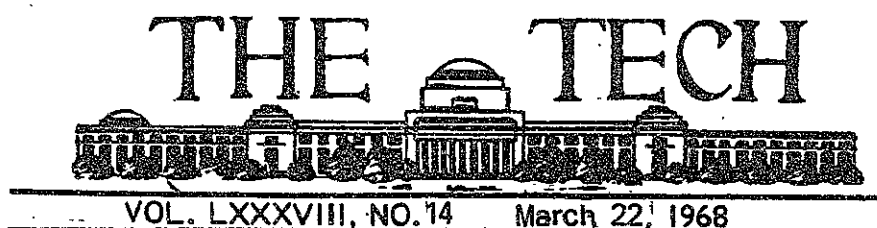
### Troy State

Troy State College is another institution in the state of Alabama which would seem to justify Moderator's faith in the State. President Ralph Adams is a total mystery to his students. Indeed, there is absolutely no record to verify Mr. Adam's claim to the degree of PhD, yet he is referred to in all college publications and catalogs as "Dr." Adams. Ex-

tremely little is known of his background other than the fact that not too many years ago he was driving the sound truck for Governor George Wallace's campaign. Coincidentally, he was soon thereafter appointed President of Troy State by the new(?) Governor Wallace. In reference to this fact, Adams sent out a decree that all faculty and students were required to attend a recent Governor's Day Review to honor the Governor.

A recent campus crisis concerning newspaper censorship brought Adams' general lack of competence to the forefront of attention. When the editor of the Troy State newspaper ran a headline with the word "CENSORED" across a blank page, Adams decided that the student was to be expelled. However it was soon thereafter ruled by Federal Courts that this action was unconstitutional. Adams' defense was that he had promised the governor that only

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Front page photo of 77 mass. Ave. by Dick Koolish.



# Circumstances force gold action

(Continued from page 1)

continued deficit in the US balance of payments, the recent devaluation of the pound, and the apparent inability of the US to combat its domestic financial difficulties with a tax increase all contributed to the gold panic. Once the rush started, there was little hope of stopping it; every transaction reduced confidence in the dollar and encouraged further

speculation.

### Decision

Given the run on gold, the world's central bankers were faced with a decision. They could either work within the old system by having the US devalue the dollar before the Western nations' gold supplies were bought by speculators in the London gold market, or they could make a "clean break" and shift the basis of interna-

tional credit away from gold.

Under the plan actually adopted, as the gold Pool nations supplement gold reserves with IMF Special Drawing Rights and no longer buy or sell gold on the free market, the market price of gold will fluctuate like that of any other commodity. Ironically, if gold is demonetized, the hoards which might be released and mine production which would be no longer bought for monetary use could depress the price well below the \$85 level at which nations will still buy and sell gold. Professor Modigliani anti-

cipates two major problems in maintaining this two-price gold system. First, there is the possibility of a "third-country drain" in which France, for example, might agree not to sell gold on the private market but could buy US gold and then resell it to, say, Algeria. Algeria could sell it on the open market, thus draining US reserves again. A second problem is the possibility that the new agreement may be inconsistent with our obligation to the IMF to redeem dollars presented to us by a foreign power for either gold or that nation's

own currency. If France refuses to agree not to sell gold on the private market and the US continues to have a short supply of francs, we cannot redeem any dollars France might present (and thus live up to our IMF commitment) without violating last weekend's gold policy accord.

### French question

Will France sell gold to the private market? "I must frankly confess that I don't know," said the professor. Even if France does enter the private market, if the resolve of the Gold Pool is strong enough not to sell gold to France the situation probably will not get out of hand. Professor Modigliani indicated here that he thought there was a "good chance the agreement will stick."

Regardless of international arrangements, however, confidence in the dollar can truly be restored only when the US balance of payments deficit is corrected. Professor Modigliani feels that the harm domestic austerity measures will do to the economy is far greater than any beneficial effects they might have on the balance of payments. Although he feels that a tax increase is an economic necessity if the war continues, he is "very much against this stupid tax on tourists," and "opposed to any restrictions on trade." As an alternative, he pointed out the somewhat startling fact that corporate profits earned abroad are not taxed at the high domestic rate; thus, companies tend to keep large amounts of money abroad. If foreign profits lost their tax advantages and companies were required by law to bring their earnings back into the country, a very major improvement in our payments situation would result without causing any dislocations in our economy.

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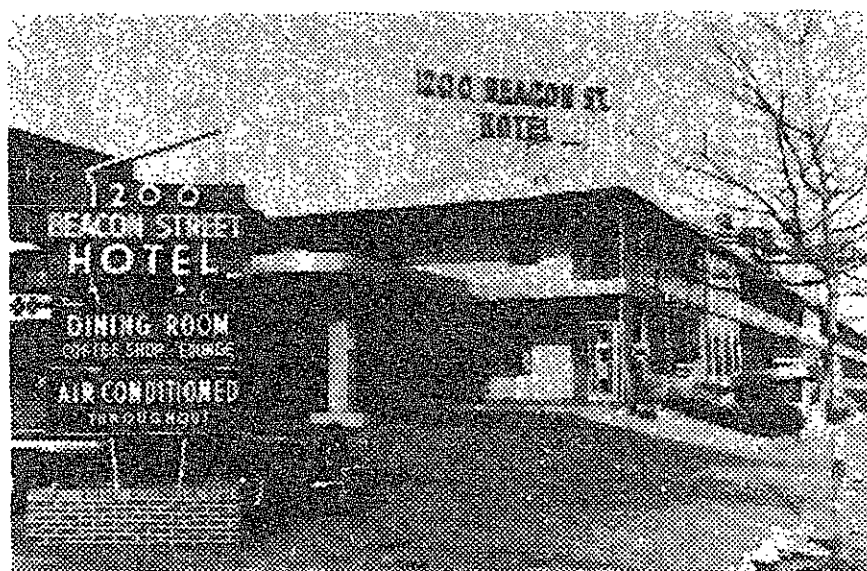
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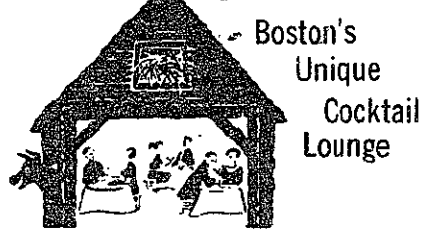
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# Alabama higher education

(Continued from page 4)  
 nice things would be printed about the Wallace in the Troy State publications.

**Academic freedom**  
 Similar absurdities were demonstrated when students at the college signed a petition opposing certain programs of the state government. Soon thereafter, the salary of an in-

structor of one of the large enrollment courses at the college was raised and, coincidentally enough, the grades of all students who signed the petition were lowered.

Several years ago, Adams' wife applied to join the Troy State faculty. The English department head, concluded however that she ostensibly lacked the qualifications for teaching humanities at the college level. Again by a striking coincidence, the department head was fired, and Mrs. Adams is now one of the more influential members of the Troy State Faculty. Stating that college rules are rigid is a gross understatement of the situation. All students, including male seniors must live on campus. "Punishment detail" is reserved for anyone who has an unmade bed as revealed by daily room inspections.

Weekday curfew for coeds, by the way, is 8 pm.

A recent ruling makes it mandatory for all faculty members to sign a loyalty oath to Governor (s) Wallace. When asked at a recent news conference about what he considered to be his greatest accomplishments as President of the college, Adams quickly noted the opening of the library on Sunday afternoon as

## Records....

# The New Thing in jazz

By Mark Wilson

**SOUND** by the Roscoe Mitchell Sextet: Roscoe Mitchell, alto saxophone; Lester Bowie, trumpet; Maurice McIntire, tenor saxophone; Lester Lashley, trombone; Malachi Favors, bass; Al Fielder, percussion.

Beautiful, creative music needs to be cherished and nursed into existence. Volumes of criticism against contemporary jazz accused the New Thing artists of failing to create meaningful music. However one feels about the new jazz, it is hard to be complacent. Since the early 60's the jazz community has been split on the issue of the legitimacy of the avant-garde. Men like John Coltrane, Cecil Taylor, and Ornette Coleman have won converts with their creative geniuses. On the other hand, musicians of lesser stature have been called "undisciplined and untalented." Too many of these lower stature groups have been thrown together with the members blowing for themselves, never uniting to create worthwhile jazz.

### The AACM

This is not the case with the Roscoe Mitchell Sextet. Almost all have had a classical as well as jazz background. The blend together to form one of the tightest new groups around. These six, along with twenty-three musicians of similar spirit make up the Chicago based Association for the Advancement of creative Musicians. The AACM, organized in 1961, has stated as among its goals "the creation of music of a high artistic level for the general public" and "the stimulation of spiritual growth in creative artists." Somewhat kindred groups have been formed in New York, Baltimore and San Francisco, but the AACM remains the most successful.

The fruits of the work of the AACM have been albums by Joseph Jarman, Richard Abrams and now Roscoe Mitchell. Sound has been the most successful adventure, combining three pieces into a showcase for the varied talents of the group.

### Joint effort

The sextet digs right in by assaulting you with "Ornett," a tribute to the great altoist. Taken at a fast tempo, notes fly out of the instruments, always landing in their appointed places. Bassist Favors spurs each of the three solists into their own interpretation of the theme. Favors is typical of the group in that he always listens, working for a joint creative effort.

The unity of the solo work is displayed in ensemble fashion in the masterpiece "Little Suit." Bowie sets down the theme on harmonica: not a theme of notes but a theme of feelings. Childish laughter and adult anger explode from the record in a collage of bells, tambourine, whistles, shouts, and foot-stamps, along with the conventional instruments. There are no solos as such, only shifts of attention. Danger, joy, and excitement are detailed in a highly emotional group treatise on life.

"Sound," the title cut, is a third view of the abstract. Here is a series of solos in which each man advances the potentials of his instrument. "Sound" was created, according to Mitchell, "as an exploration of the possibilities of unorthodox yet meaningful sounds inherent in the instruments." Throughout the diversified and sometimes strident sounds exists a link of common purpose: each is attacking the same idea only approaching it from different angles. The listener's attention is jumped at and grabbed, never allowed to wane.

### The New Thing

Good jazz demands you to contribute as much to listening as the musicians contribute to playing. This is certainly a mark of Sound. Anyone who still does not believe that worthwhile creative music is being produced in the new Thing should spend an evening with the Roscoe Mitchell Sextet. It might turn them around.

## Tech trackmen showed good depth

(Continued from page 8)

Near record performances by the rest of the team backed up these record-breaking ones.

Dave Ogrydziak '68 and Jim Zilli '70 both cleared 6-2 in the high jump. Kozubek, John Owens '70, and Larry Petro '70 all cracked 4:28 in the mile. Sophomores Joel Hemmelstein, Jim Leary, John Holding, and Larry Kelly turned in an exceptional 3:25.8 mile relay clocking. Kelly contributed a 5.5 in the 50, 49.7 in the 440, and a 1:16.3 for the 600.

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# Talking Rock

By Steve Grant

Three recent interesting developments have taken place involving the Jefferson Airplane. Most obvious, of course, was the announcement that they would play at Spring Weekend April 26-27. (Incidentally, this was quite a coup for the Spring Weekend Committee—the Airplane is currently the second highest-paid American rock band (next to the Monkees), getting up to \$15,000 for an all-night show in the San Francisco area, according to a source with the Family Dog.) Second, Columbia Records released an album of old tapes by the Great Society, the former group of Grace Slick. Third, and least obvious, but likely to have the most importance in the long run, the Airplane have renounced their contract with personal manager Bill Graham, and have taken their business affairs into their own hands.

#### Best SW choice possible

As for the Airplane's playing at Spring Weekend, the SW Committee made the most attractive choice they could have. Their appearance here should be well received. So much has been written about them that I won't press the matter further, except to express the very general opinion that they are the best band playing in America today. You've all heard their three albums and can judge for yourselves. At any rate, Jorma Kaukonen is certainly the most electrifying guitarist around, with former Yardbird Jeff Beck his only serious rival. His extraordinary use of feedback is particularly noteworthy. Combined with the imaginative bass of Jack Casady and the jazz-rooted drumming of Spencer Dryden, his gutsy runs give the Airplane the toughest instrumental sound around.

#### 'Conspicuous Only in Its Absence'

Perhaps you've seen the Great Society album at the Coop, been attracted by the picture and blurb of Grace Slick, and wondered whether to buy it. Unless you're interested in why the group picked Mrs. Slick (often recognized along with Janis Joplin as rock's best girl singer, although, in my opinion, undeservedly) to replace the departed Signe Anderson, pass it by. The Great Society was an uninspired band, although the original "Somebody to Love" and "White Rabbit" are interesting as historical items in comparison with the Airplane's later, more complex, and more commercial versions. Part of this "ancient" sound can be put down to the age of the tapes, however. To decide about the album, check out a friend's copy first, but don't expect any "monster" cuts (to use Frank Zappa's phrase). The album is interesting historically—Grace's singing was admittedly good, although not as sophisticated as it is now.

#### Split with Bill Graham

The Airplane's detachment from Bill Graham's managing

was formalized February 6. (This and the following information comes from the current issue of the rock newsletter Rolling Stone.)

Following the lead of the Grateful Dead and the Quicksilver Messenger Service (who together with the light show company Headlights run the Great Northwest Tour rock show) the Airplane want to run a show of their own. Basically, the group was dissatisfied with the grind of the tour and the pressure to write all their new original material while on the road.

According to Rolling Stone, "among the new ideas the Airplane is considering is the possibility of traveling with the Doors, with the bands exchanging material. This would give audiences a chance to hear Jim Morrison soar into 'Somebody to Love,' followed by Marty Balin and Grace Slick singing 'Light My Fire.'

"The Airplane is also seriously considering a tour of Europe hopes to become the first American band to play behind the Iron Curtain, and is especially interested in performing in Russia.

#### Recording difficulties

"As for the actual recording aspects, the Airplane musicians, especially Jorma Kaukonen, are notoriously unhappy with the RCA Los Angeles studios." The group apparently won't even record again until they get the control of studio and production personnel they want. They are equally adamant about their promotion, which they maintain is woefully mishandled. If the group gets its way, "it will be a first in the history of relationships between recording companies and artists."

(As an afterthought Rolling Stone notes that "the Beatles formed their own cooperative business agency, Apple Ltd., soon after the death of their manager, Brian Epstein, and so started, like so many other things, all this.")

This new-found independence could lead to a lot of trouble for the Airplane. Their "After Bathing at Baxter's" LP, over which RCA gave them most of the production control, hasn't sold as well as a more tightly reined album would have. There are some minor examples of self-conscious pseudo-artistic garbage on "Baxter's," of which "A Small Package of Value Will Come to You, shortly," a collage of conversations assembled early in the morning after an exhausting night's studio work, is the most revolting example. The Airplane aren't sure of where to stop when it comes to self-edited expression.

Meanwhile, go see them at Spring Weekend and any other chance you get, 'cause they're outasight. "The Ballad of You and Me and Poonell" has to be heard live to be believed.

## Tech cyclers face fine season

The MIT Cycling Club will start the 1968 racing season this April with the best team in its history. The spring season will consist of five races, culminating in the Eastern Championships in West Rock Park, New Haven, in early May. Among the colleges Tech will be competing against are Harvard, Princeton, Yale, Cornell, and SCSC.

This spring's team will have the services of experienced racers Dennis Noson '68 and Ed Martin, who have been racing all of this past summer. Backing up their efforts will be Sumner Brown, Al Sawyer '69, Roy Hudson '70, Ron Min-

nig '70, and Dale Zellers '71. With the experience of two of the riders and the depth of the rest of the team, this spring's team should be an excellent one.

#### Chance in Easterns

Club president Mike Grano '68, is optimistic that the team will be a major contender in every race with an excellent chance to win the Eastern Championships, its hilly course being ideally suited to the engineer's light riders. Last fall a rider placed second, and the team second at the Yale race. The strongest competition this spring should come from Yale, SCSC, and possibly

Cornell.

The club will bring bicycle racing, the second most popular sport in the world, back to Boston by hosting a race in April. This will provide an excellent opportunity for interested riders in the many area schools to try racing for the first time. It is expected that 25 to 50 riders will enter.

#### New riders invited

The team will lose its two best riders this year and is looking for new riders. Ninety-five per cent of college racers have never raced before college, so new riders are in no way at a disadvantage as in many other sports. Members of the team can expect to be able to enter six or more intercollegiate races per year.

Besides racing, the club also promotes touring. The first of several rides will be on April 6th or 7th. The only equipment needed is a bicycle, either 10-speed or 3-speed.

Anyone interested in racing or touring is asked to contact Mike Grano X2732 or Dennis Noson DL-0299.

## Skaters finish season, post a 6-9 final record

On Saturday, December 2, the MIT varsity hockey team opened its season at the University of Massachusetts. Due to trouble with Tech's own antique ice rink, they went into their first game with only four days of practice on home ice. The engineers started slowly and slowed down all the way to lose to the Redmen 15-0. But this disaster, strangely enough, was the beginning of the best season the engineers had in recent years, finishing with a 6-9 record.

The schedule was in their favor, and their second game matched them against WPI, with whom they split two games last year. The team put together a solid performance to beat WPI 4-2. An uninspired 6-3 loss to Holy Cross and an overtime win against Assumption gave the team an even season as it entered the holidays.

As the season progressed, the team had its bad games, such as the UMass game, the two UConn games (1-5, 1-6) and the first Babson game (5-9); and there were the good games: the second Babson game (5-3), the heartbreaking loss in sudden death overtime to a strong Trinity team in the final game of the season (5-6), and the Amherst game. This year, in their second-to-last game, the engineers did everything right, playing good positional hockey that contained

Amherst's fast skaters and gave them a close 2-1 upset.

The senior first line of captain Mike Harris, Clay Satow, and Bob Betkun was a strong, dependable unit. Harris was nominated for the Division II All-Star team. Senior defenseman Denis Coleman also did a fine job

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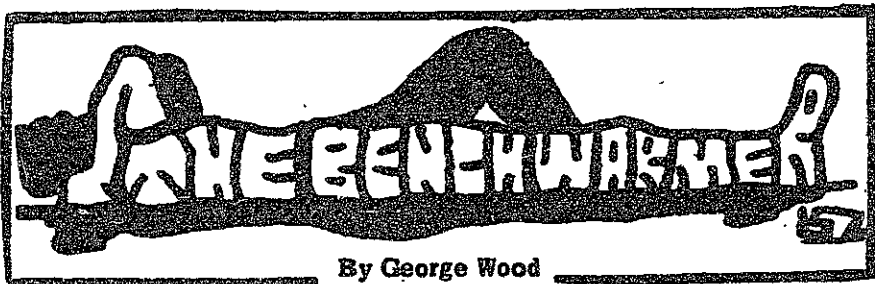
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Last week a Boston Globe reporter asked K.C. Jones, the current coach of Brandeis and an ex-star in the NBA, if any current college basketball players in New England were good enough to make it in the MBA. Jones named three, one of which was our own Dave Jansson '68.

**Greatest ever**

During the past three years, Jansson has proved to be the greatest basketball player ever to attend MIT. As captain of the team this year, Jansson has rewritten practically every scoring mark in the engineers' basketball record book. In the final game of the season, against Lowell Tech, Jansson scored 31 points and brought down 15 rebounds to bring his season total to 589 (23.6 average) surpassing Alex Wilson's record of 559 (set during the 1965-66 season). Named to the ECAC weekly All Star team twice this year and four times during his varsity career, Jansson totaled 1457 points during his three years of varsity play, also breaking Wilson's 1964-67 total by 233 points. Tech teams have posted a 53-21 total record during Jansson's career. The 6'4" forward has 242 field goals out 493 attempts to post a .491 shooting average.

Even though there are not post season tournaments for the engineers, the slender Wisconsin native should appear on several of the area All Star teams.

Other records for Jansson include: most field goals scored in a season (240) and most field goals scored in a career (591).

Second in scoring for the Tech hoopsters this season was sophomore Bruce Wheeler. Starting at guard, the 5'9" Wheeler averaged almost 15 points a game, hitting on outside shots and driving in for lay-ups.

## Indoor runners post 6-2 season, Wilson, Sydoriak break records

By John Wargo

The varsity indoor track team effectively reversed last year's 1-6 record with a 6-2 campaign. Coach Farnham's squad did not merely get lucky and win a few fluke victories to bolster its record; rather it lost a few tight meets to prevent a repeat performance of the fall cross-country team's undefeated ten meet series. The team rolled over Bowdoin, Tufts, Colby, Columbia, New Hampshire, and Connecticut while compiling an average of 64 points against its opponent's 38. The two losses came on off-days for Tech runners. Bates charged through the final events on its home track to open up and win a close meet 62-42. Boston College accounted for the other blemish on Tech's record with narrow 54-50 win in Rockwell Cage.

**'70 shines**

This year's improved running team's season marks are not just coincidental with the "coming of age" of last year's 21-1 freshmen. The class of 1970 provided 249 3/4 points towards the indoor track victories, compared with 223 3/4 for the combined classes of 1968 and 1969.

Captain Steve Sydoriak '68 set a new MIT and Rockwell Cage record in the pole vault at 14' 6" and added to his torphy case the New England

AAU and the Greater Boston Championships titles.

Stan Kozubek '69 slid quite naturally into his former record-breaking form and cracked the Tech 1000 yard mark at 2:18.0.

**Wilson breaks records**

Ben Wilson '70 rewrote record books at nearly every track he set foot on. He placed fourth in the Knights of Columbus College Mile at Boston Garden in 4:14.3 for a new MIT Varsity record and cracked the Rockwell cage track record at 9:24 for the two mile. He then tried his hand at the three mile and erased the MIT, Rockwell Cage, and New England AAU record in that event, capturing the New England AAU title in 14:38.8. Wilson journeyed to a fine Colby track and performed a great 8:54.6 two mile for another MIT record. His effort at Colby earned him an invitation to compete as one of the top 12 two-milers in the country, in the NCAA meet in Detroit with Jim Ryun, Gerry Lindgren and their compatriots. Wilson, receiving the MIT Straight T, brought to two the number of Varsity trackmen who now display it; Captain Steve Sydoriak was awarded it last year as a junior.

(Please turn to page 6)

# DU downs NRSA for title

By Ron Cline

In one of the biggest offensive battles of the season, DU/NRSA 9-8 for the IM hockey championship. Led by a pheno-

menal five-goal performance by Stu Johnson, the DU team gained a quick 2-0 lead in the first few minutes of play and remained on top for the rest of the game.



Photo by Dave Pack

Fast breaks were common in the high scoring finals of the IM hockey playoffs. DU held off a last minute rally by NRSA to take the crown, 9-8.

## Sailing pavilion will open April 1

By Bill Michels

On April 1, the MIT sailing pavilion will open for its 8-month 1968 season. Tech offers many facilities and services to all members of the MIT com-

munity who are interested in sailing. The only requirements for use of the sailing pavilion facilities are membership in the Nautical Association and the ability to swim. Any member of the MIT community can become a member in the NA by purchasing a card for \$6 in the Bursars Office.

Absolutely no previous experience is necessary to participate in the sailing program. The pavilion staff, varsity coach, physical education instructors and other NA members are all available and happy to teach basic sailing principles to beginners or more advanced techniques to others. After

By the end of the first period, DU had pulled ahead to a 6-3 lead. Each team added one counter in the second period to up the tally to 7-4. NRSA, which had given a fine team performance throughout the game, then started a well-rounded intense drive, doubling their score by the final buzzer. However, DU had added two points of their own to give them the winning one point margin.

**Six score for NRSA**

Earning their way into the scoring column for DU were Jack Hart and Dave Engstrom, each with two goals, and, of course, Stu Johnson with five. Leading a well-rounded scoring attack for NRSA were Karl Friberg '68 and Pete Eloranta '68 with two counters each. Four players scored a singleton-Ray Walsh '68, Dave Martin, Allen Clark, and Paavo Pyykonen '68.

passing some simple tests, you become eligible to take a boat out anytime during daylight hours seven days a week.

The sailing pavilion is one of the few athletic facilities at MIT with unlimited free guest privileges. It is also no more than a few minutes walk from any part of the campus.

For the more advanced sailors there is an extensive racing program and the possibility of qualifying on the Sloops, Finns or 5-0-5's. The varsity sailing team, for undergraduates, holds open practice races four days a week and has won more national titles than any other school in the country.

## Tech fencers place 11th, top Harvard in Easterns

By Dale Geiger

Tech's fencing squad ended their competitive season on a rather sour note at the Eastern Collegiate Fencing Championships at Princeton last weekend.

Finishing eleventh out of twelve the only consolation was in beating Harvard who claimed the twelfth spot, yet trounced the engineers 19-8 twice earlier this season. New

York University, long a national fencing power, dominated the epee competition and tied Columbia in foil. NYU captured the overall first place trophy from Columbia by only two points.

Navy took third, followed by the University of Pennsylvania, City College of New York, Princeton, Cornell, Army, Yale, Rutgers, MIT and Harvard.

The highlight of the '68 season with its record of 5-6 was the New England Intercollegiate Championships which were held here three weeks ago. This the engineers won by a landslide with Stafurik and Stephen taking first and third in epee, Marx and Carroll taking second and third in sabre and Rothberg taking first in foil.

## Tech crews face tough competition

By Harry Drab

It's been a long winter for Tech's crews. During their confinement, both the heavy-weight and lightweight varsities have been working hard towards the day the ice would break and let them back out on the river. The "tank", the rowing simulator at Pierce Boathouse, has been running every weekday from three until past seven. The deep thrumming of the tank's innards, together with the thousand grunts generated by weightlifters, has become a familiar sound to varsity oarsman.

**Running stairs**

In addition to this work, both squads have taken up a new game to improve their wind and strength: running stairs. Those hooded, sweat-suited figures seen trundling past the Great Court this winter have, for the most part, been oarsmen heading for the Green Building and at least half an hour of running up and down its plentiful stairs.

However, all this work has been just a preparation for the day when the squads could get some open water. Up until a few days ago though, open water on the Charles has been either too scarce because of ice or too plentiful because of

floods. Adding to Tech's frustration, shells from Harvard, B.U., and Northeastern continually rowed by on the floodwaters only a yard away from where MIT oarsmen were landlocked. Despite these temporary setbacks, however, both of

Tech's varsity crews are now on the water and training for what they hope will be successful seasons.

**Stiff competition**

The heavyweights, under coach Jack Frailey and captained by Joel Robinson '68, face stiff competition in their approaching schedule. From their first race, with BU on April 6th, until the International Rowing Association Regatta in June, the Heavyweights will be facing such crews as BU, Northeastern, and Wisconsin, all good, strong teams, as well as Harvard, the nations most consistent winner since the advent of Harry Parker, their super-coach.

The lightweight squad, coached by Gary Zwart, faces equally tough competition. Captained by Bob Haslam '68, the lightweights have several returning letetmen. Their principal competition should come from Cornell, Harvard, and Penn.

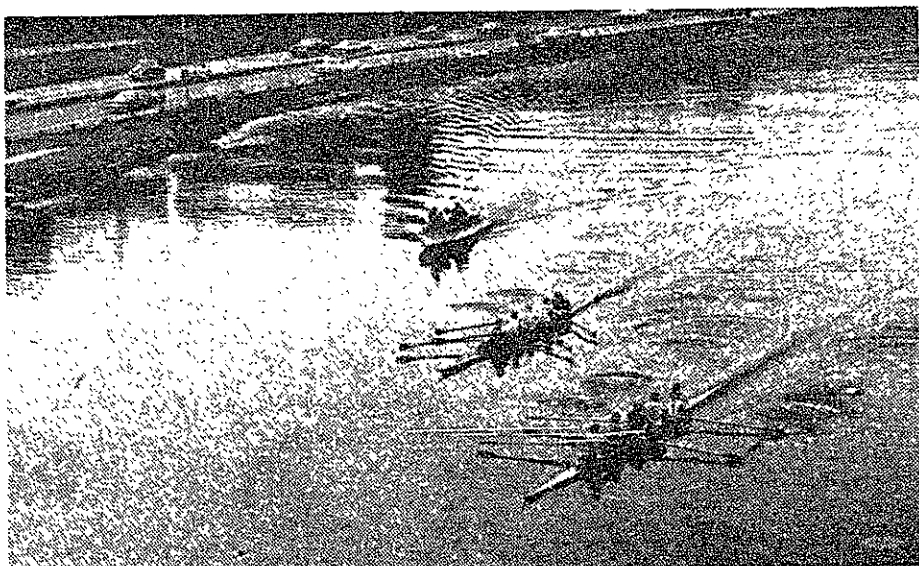


Photo by Steve Gretter

BU's crew beat Tech to the Charles last week because of the ice jam at our boat house and then flooding.

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