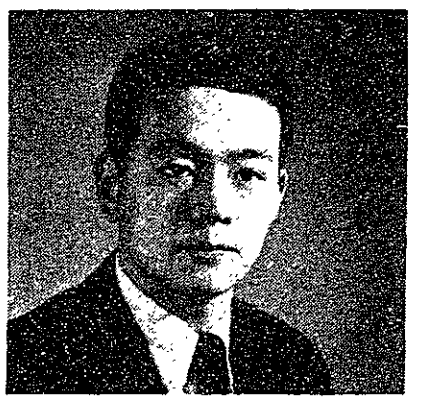
'65 Class Pres.

Tsien awarded Rhodes; plans to attend Oxford

By John Corwin

Richard W. Tsien, Permanent President of the Class of 1965, has received a Rhodes Scholarship to study at Oxford University beginning October, 1966.



Dick Tsien '65

Tsien, who hopes to receive an MS in electrical engineering next month, will study at least 3 years at Oxford and is working towards his D. Phil. (equivalent to PhD) in Biophysics. Although the duration of the scholarship is two years, frequently a good student can receive extended aid.

Encourages applications

Dick commented that he feels more students from MIT should apply for Rhodes Scholarships, on the basis of the idea that an MIT-Oxford education would be not only superb but also very well-balanced. He stated in front of his interviewing committee that he felt he, as an MIT student, would benefit greatly from the balance offered by the scholarship.

He also feels that many of his friends at Tech are equally or better qualified than many of the Rhodes scholarship winners with whom he has come in contact, and on this basis also encourages students to apply.

Undergraduate record

As an undergraduate, Dick received an SB in electrical engineering. He was on the Dean's List all 8 terms, and last term received the Karl Taylor Compton Prize for outstanding contribution to the MIT community. Dick is originally from Livingston, New Jersey.

Dick, a Beta Theta Pi, has two uncles presently on the MIT faculty. Dr. Shih-Ying Lee, who received his doctorate in 1945, is an associate professor of mechanical engineering, while Dr. Yao T. Li ('39 doctorate) is professor of aeronautics and astronautics and director of the Man-Vehicle Control Laboratory of MIT's Center for Space Research.

Dick is presently working on co-op at the General Electric Research Center in Schenectady, New York.

Criteria for II-S deferment urged

By Mark Bolotin

The American Council on Education has urged immediate reinstatement of the criteria used by the Selective Service System during the Korean War for determining which students should be inducted and which deferred from military service. The ACE made the request in letters to Lt. General Lewis B. Hershey, Selective Service Director, in an attempt to provide a guideline to the local draft boards for classification of students.

During the Korean War deferments were based on students' rank in class or specific score on the Selective Service Qualification test, without regard to their field of study. Students in the bottom quarter of their class were required to attain a certain score on the test in order to retain their deferment.

The major reason given by the ACE for urging the reinstatement of these criteria for deferment is the growing demand for manpower. John F. Morse, Director of the Commission on Federal Relations, who sent the letters for the ACE, added, "Whatever the merits or demerits of the criteria, they had general public acceptance. . . . Local boards must still make their own determinations, but unless some guidance is provided them, I fear they will make them in a vacuum."

Can't defer all

An answer to the ACE's suggestion has been issued by Hershey in the January issues of the Selective Service's publication, "Selective Service." He assured the ACE that the Selective Service System tries to defer as many students as possible, but added that it is rapidly becoming impossible to defer all students. He further emphasized that the student must demonstrate that he is progressing toward the objectives of his study and that he is the type of individual who should be trained.

Local board judges

His statement explained that the criteria used during the Korean War were a consequence of a study made by a committee of prominent scientists, engineers, and educators under the appointment of the Director of Selective Service. However, the local board was never required to defer a student solely because of his grade on any test or his class standing, but could use its own judgment.

Into grad school

Mrs. Eleanor Lutz, Selective Service Advisor, stated that she is anxious to see the Korean War criteria readopted. She said that the qualification test given during the Korean War placed much emphasis on math and science, so that students from MIT who took the test did exceptionally well. In fact, many of the students who took the test used high scores to gain admission to graduate schools.

Mrs. Lutz added that, in spite of the increased attention to the deferment of students, no guideline has been recommended for the classification of students. Since the colleges are presently not required to submit grades to the local boards and because colleges differ in the number of hours necessary for full-time standing, the local boards must analyze each deferment request individually.

The Tech

Vol. 85, No. 30 Cambridge, Massachusetts, Friday, January 7, 1966 Five Cents

Wilson basket decides game

Cagers top Harvard, 86-84

By John Kopolow

Junior Alex Wilson's 6-foot jumper with 8 seconds left to play gave MIT an 86-84 victory over Harvard Tuesday night at the Rockwell Cage. Wilson scored 34 points as Tech defeated the Crimson for the first time in 22 years. For MIT the victory has to be considered an upset. After having a disappointing previous week during which they lost two of three games in the Union Tournament, and after learning that their leading rebounder and number 3 scorer, Bob Hardt, '67 would be out of action for two weeks because of a virus, they could not be expected to rise to the occasion as they did.

This was Harvard's third in a series of frustrating two-point losses to Boston-area schools; they have also dropped games of that margin to Tufts and Northeastern, both of which are future opponents of MIT.

Starting team juggled

Partly because of the loss of Hardt, Coach Jack Barry shook up his starting line-up. Along with regulars Wilson, Dave Jansson '68, and Bob Ferrera '67, both guard John Flick '66 and forward Kevin Kinsella '67 got the starting nod in place of Hardt and Jack Mazola. Both also made their presence felt early in the contest as their back-to-back field goals against the Harvard zone gave Tech its first lead, 6-5, after four minutes of play.

Although Harvard controlled the backboards during most of the first half, they could not contend with the hot shooting hands of Wilson, Jansson, and Kinsella. The three had 13, 11, and 11 points respectively in the period as MIT shot 55 percent from the field.

Harvard troubled by zone

Meanwhile Harvard seemed to be having trouble with the Beavers' scrapping zone defense, as

(Please turn to page 12)

Photo by John Torode

Tech guard John Flick '66 takes a jump shot over Harvard's Keith Sedlacek to put MIT ahead 78-76 in Tuesday's game.

Twenty Chimneys restaurant adds smorgasbord service on Sunday

By Ted Nygreen

Finally there will be a restaurant open in the Student Center Sunday afternoons and evenings! Beginning this weekend the Twenty Chimneys will be open Sundays from 3 to 9, serving a genuine smorgasbord.

The Chimneys will operate as a true restaurant, with hot and cold foods set out on long tables for self service. At the outset, the price is $1.75 per plate and beverage — load it however you wish.

Experiment

Throughout the six hours of serving time, the menu will be changed continually. There will not, however, be seconds available at this price except on coffee or tea.

This opening of the restaurant Sundays is an experiment for Mr. Grotheer, director of food services in the Center, and the Student Center Committee, to observe student reaction to the smorgasbord idea as well as student demand for more available dining services Sunday. Sunday servings will be evaluated and discontinued if no students take advantage of the opening.

Dress Regulations

In conjunction with Mr. Grotheer, the Student Center Committee is requesting appropriate Sunday dress for the Chimneys during the smorgasbord. Jackets and ties or similar suitable dress is suggested to maintain the atmosphere of the restaurant on Sundays.

Complaints

Earlier in the term, the Student Center Committee held an open meeting for students to voice questions and air gripes concerning the Center's facilities, rules and regulations and possible improvements. These suggestions and questions were then discussed with appropriate faculty and Student Center officials. Many changes and improvements have now been made due to these student ideas.

At the present time, the majority of work on the building has been completed. The bowling lanes

(Please turn to Page 3)

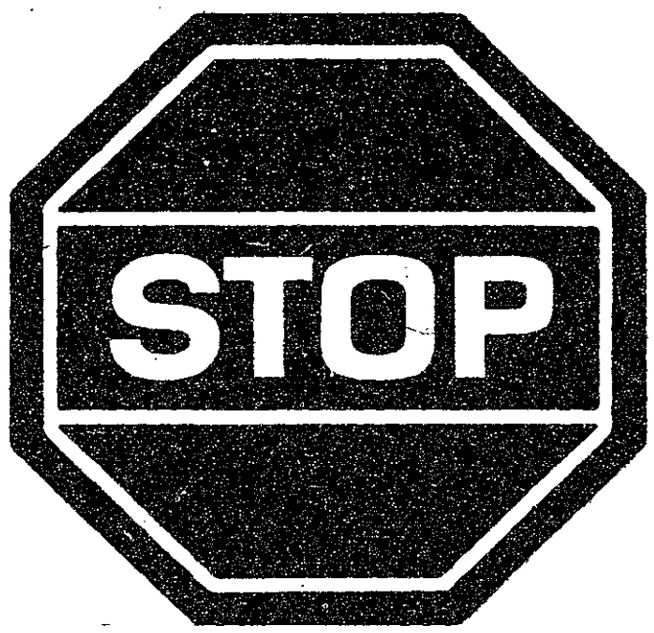
MIT faculty panel preparing to discuss film "How to be First"

The MIT Society for Social Responsibility in Science is sponsoring a panel discussion, "Goals and Values at MIT," which will cover the film "How to be First," produced by the British Broadcasting Company.

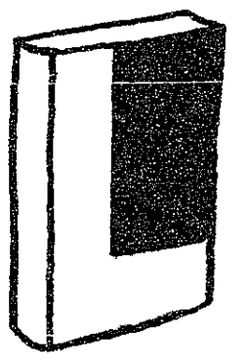
Speakers will be Prof. Gordon Brown, Dean of the School of Engineering; Prof. George Valley, Undergraduate Planning Professor; Prof. Cyrus Levinthal, Department of Biology; Prof. David Schalk, Department of Humanities; and Research Associate Jerome Lettvin, Department of Electrical Engineering. Moderator of the discussion will be Barry Blesser '64. The discussion will be held Wednesday, Jan. 12, at 9:15 pm in the Mezzanine Lounge of the Student Center.

Noted author Lewis Mumford will deliver a talk, entitled "The Missing Dimensions" (The Human Use of Human Beings at MIT), in another meeting sponsored by the MIT-SSRS. Mumford, who taught at MIT from 1957 to 1960 and is now at Harvard, will present his views of the relationship of man to his society in a technologically dominated world. A key to his philosophy is that "the piety and superstitions that once led man to worship the golden calf now lead him to worship machines."

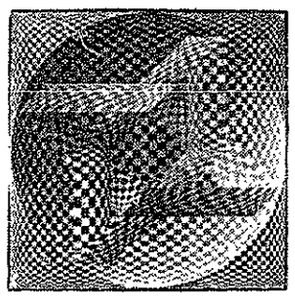
Mumford belongs to the American Philosophical Society, the American Academy of Arts and Sciences, the National Institute of Arts and Letters, the Council on Foreign Relations, and the Society Europeenne de Cultute. His books include 'In the Name of Sanity,' 'The Transformation of Society' and 'Value of Survival.' The lecture will be held Thursday, Jan. 13, at 4:15 pm in the Mezzanine Lounge of the Student Center.



An octagon of values



The official handbook of the National Association of Rocketry, the **Handbook of Modern Rocketry**, by G. Harry Stine, gives all the information needed to safely build and fly model rockets. Clean, accurate instructions, more than 300 pages, and 170 photos and diagrams make this book valuable for experts as well as beginners. Get your copy of the **Handbook of Modern Rocketry** in the Coop Book Department. **$4.95** for heavy paper and **$8.95** for deluxe cloth.



Originally an exciting and masterful painting by op artist Ben Cunningham, **EQUIVOCATION** is now a bold new jigsaw puzzle by Springbook Editions. Color tones superimposed on an intricate geometric pattern achieve the illusion of moving three dimensional forms. Technically proficient, satisfying aesthetically, totally contemporary — **EQUIVOCATION** is op art at its unequivocal best. 16"x16". Over 500 pieces, designed to be difficult. **$3.50.**

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English Leather is a distinguished masculine scent that pleases all men . . . and women. Handsomely packaged English Leather all-purpose spray lotion, shaving cream, pre-shave lotion, all-purpose powder, deodorant, and showersoap on cord are available in the Coop's Men's Shop. Please a man with gift sets from **$3.00 to $10.00.**

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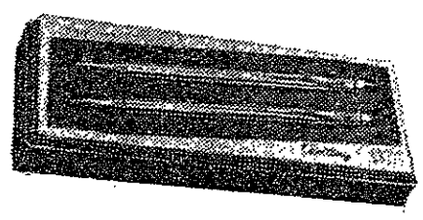
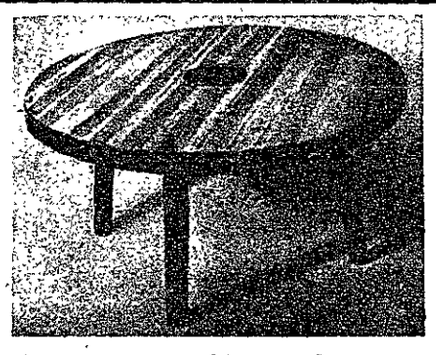


Cross writing instruments are recognized as the prestige gift. Choose a slender precision balanced Cross writing instrument personalized with engraved initials or company name. Cross Pens and Pencils are available in lustrous chrome, gold filled or sterling finishes at **$4.50 to $20.00** in the Stationery Department at the Coop.



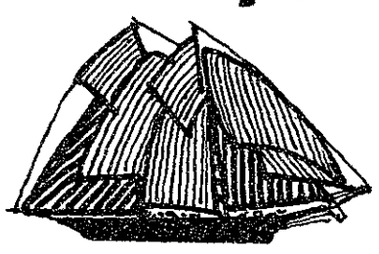
The University Table is a functional and versatile accessory for home or office. Crafted in hand-rubbed New England Rock Maple in natural finish, the University Table is 27" in diameter, 1½" thick, and 14" high. The temperature, abrasion and alcohol resistant-surface is decorated with a solid bronze M.I.T. seal. Orders may be placed at the Giftware and Appliance Department of the Coop. Price **$37.50** plus shipping charges.

THE TECH COOP

OF THE HARVARD COOPERATIVE SOCIETY

IN THE NEW M.I.T. STUDENT CENTER

January is



Sale Month

1475 applicants

NSF Fellowships awarded to 4 Institute professors

By Sue Downs

Four MIT associate professors were among the 421 professors who received National Science Foundation Fellowships for the year of 1966.

Thre of the professors, Glen E. Gordon (Chemistry), Paul Penfield Jr. (EE), and Abner E. Shimony (Humanities), were awarded Senior Postdoctoral Fellowships, which will permit them to pursue further research and advanced training in their particular fields. Ninety-five Senior Postdoctoral fellows were selected from 397 applicants; a basic requirement for these fellowships is possession of a doctoral degree in science, mathematics, or engineering for at least the past five years.

Science Faculty Fellowships were awarded to 326 of the 1078 college and university teachers who applied so that they would have an opportunity to enhance their effectiveness as teachers. Receiving this honor from MIT is Prof. Henry Nathan of the Humanities Department.

Dr. Gordon will use his fellowship to study geochemistry at the University of California (San Diego); Dr. Penfield will attend the Imperial College of Science and Technology (England) to stutdy electrical engineering; Dr. Shimony will remain at MIT to study the history of philosophy and science, and Prof. Nathan will attend the University of Paris to study the history of science and philosophy.

Those Science Faculty Fellows from other universities who will study at MIT are Frederick G. Sheppard from Duke University (Civil Engineering), Howard A. Gaberson from Boston University (Mechanical Engineering), Milton L. Vogel from the University of Miami (Mechanical Engineering, Maurice Albertson of Colorado State University (Engineering), and John H. Nath from Colorado State University (Civil Engineering).

Press favors Johnson election

By Geoff Russell

Around the United States, press reaction to Howard W. Johnson's election as President of the Institute has been very favorable. Both the New York Times and the Herald Tribune carried feature articles, and Time gave him a paragraph in its "People" section.

According to Time, Johnson is being pressed to return the going-away present he received just before Christmas. The faculty held a farewell party for him, only to have him turn around and accept the presidency.

Both the Times and the Trib emphasized the fact that Johnson is a social scientist. According to the Tribune's article, "The fact that eDan Johnson is a social scientist and industrial-management specialist is significant. For the past several years MIT has sought to build up its humanities curriculum, and to get away from the image of being a strict 'technical' school. Dean Johnson said yesterday MIT would diversify under his presidency as he believed the school 'should not be completely polarized around pure science.'" According to the Times, "In moving to develop 'the whole man', MIT has established a school of humanities and social science, has increased the flexibility and curriculum and has given the faculty more participation in formulating educational policy. Mr. Johnson, as an economist, is considered to be concerned with social science."

Both papers also played up the fact that Federated Stores was very unhappy about losing Johnson, and that he is considered to be the "best that the nation offers" in the field of industrial management. According to Federated Stores' Ralph Lazarus, "We looked long and hard for the kind of man that Howard Johnson is, and we are terribly sorry to lose him. But we understand perfectly why MIT chose him and why he felt obliged to accept the presidency—a job that has important implications for all of us."

MIT receives $36,000 from Wilson Foundation

By John Corwin

MIT is receiving $36,000 from the Woodrow Wilson National Fellowship Foundation this month, it was announced today.

Graduate schools at the Institute and 73 other universities throughout the nation will receive a total of about $1.8 million in this ninth year of the grant program.

The graduate schools are asked to spend three-fourths of their respective grants on aid to students who have completed at least one year of graduate study. The schools are free to use the remaining fourth of the grant in any way they choose to advance graduate education, according to Sir Hugh Taylor, the Foundation's President.

Seven schools are receiving money for the first time. They are Duquesne U., Illinois Institute of Technology, The New School for Social Research, Oregon State U., U. of Southwestern Louisiana, Wesleyan U. and Wichita State U.

Some other schools receiving grants include Brown University ($26,000), Caltech ($12,000), Harvard University ($150,000), and Tufts University ($10,000).

The Woodrow Wilson National Fellowship Foundation recruits outstanding students to the profession of college teaching. The program of subventions to graduate schools began in 1958 when expansion of the Fellowship program was made possible through grants from the Ford Foundation. Ford Foundation grants to the Wilson Foundation have totaled $52 million since 1957.

Joint Urban Studies Center to recieve $1.4 million grant

By David Koffman

The Harvard-MIT Joint Center for Urban Studies has been awarded a seven-year, $1.4 million grant by the Ford Foundation, continuing the support which the Foundation has provided since the establishment of the Center.

Founded in 1959, the Center has been supported up till now by two three-year grants from the Foundation; the present money, though providing no substantial increase in the annual budget, gives the Center a new sense of continuity. Kevin A. Lynch, acting chairman of the faculty committee for the Center and Professor of City Planning here, regards this new award as a "vote of confidence" in the organization.

According to Prof. Lynch, this continuity will allow the Center to engage in long-term research projects and will help attract more people to the Center. Included in the new projects is work within the Boston area; the Center plans to see where it can be of use in advising local government agencies.

The Center was established to encourage and support the study of urban problems of all kinds by bringing together scholars from a wide variety of fields, including law, political science, economics, city planning, and architecture. It enables interested MIT and Harvard faculty members to work part-time for the Center by reimbursing the schools for time that these people spend away from their academic duties.

In 1961, the Government of Venezuela asked the Center to aid in the planning and development of a new city, Ciudad Quayana. This city, which will have a population of about a half-million people, is well on the way to completion. Located along the Orinoco River in one of the least settled areas of Venezuela, Ciudad Quayana is being built near recently-discovered iron ore deposits.

Twenty Chimneys to open Sundays

(*Continued from Page* 1)

will open late next week; food and drink machines will be installed in the basement next term; suggestions concerning installation of lockers in the basement are being discussed.

Gripe meeting

Wednesday at 5 p.m. there will be an official open meeting for the purpose of answering questions, listening to reactions, and listening to complaints from students.

So come armed with gripes and ideas to the west lounge on the main floor of the Student Center Wednesday, January 12 and let the members of the Committee know what the opinions of students really are.

Twenty Chimneys

The Student Center Committee is working presently with Mr. Ralph Colburn of the Publications Office to design a suitable symbol for the newly named restaurant. In addition. table decorations, menus, tablecloths, matchbooks, etc., are being designed to conform with the symbol when chosen. Next term there is certain to be a noted increase in the frequency with which the words "Twenty Chimneys" are seen on campus.

CLASSIFIED ADS

POSTDOC COUPLE seeks inexpensive 1 bdrm. apt., Feb.-May, Cambridge area. Write Sachs, 3019 Bateman, Berkeley, Calif.

FOR SALE: 1959 OPAL station wagon. Good second car. $150. Call after six, 782-8895.

GUITAR LESSONS
Rolf Cahn. 868-4188

TIME INC.
Campus Representative for 1966
A position is now open on your campus. A Time Inc. college representative on a small or medium-sized campus can expect to earn $200 to $750 in commissions annually selling subscriptions to TIME, LIFE, SPORTS ILLUSTRATED and FORTUNE at reduced students' and educator rates. On larger campuses, many of our representatives earn over $750 a year. They work hard, of course, but their hours are their own, and they gain valuable business experience in this year-round marketing program. Send name and address, college, class and any other information you consider important to Time Inc., College Bureau, Time & Life Bldg., Rockefeller Center, New York City 10020. All applications must be submitted by Jan. 20, 1966. You will be contacted promptly.

THE BIBLE says:

Wherewithal shall a young man cleanse his way? by taking heed thereto according to Thy word. Thy word have I hid in mine heart, that I might not sin against Thee. Blessed art thou, O Lord; teach me Thy statutes.

—Psalm 119:9, 11, 12.

The center of campus life

The basketball team's victory over Harvard last Tuesday is a good reminder that the Student Center isn't the only student-oriented building on campus. Emphasis on the newest addition to the west campus is inevitable, but news is being made elsewhere, too.

The whole west campus is intended to provide relaxation and entertainment—escape, if you prefer—to a student body with a wide variety of interests. The increasing success of MIT's basketball team, for example, offers a great chance to exercise lungs and a sense of school spirit. If you want more practical reasons to attend games, well, girls enjoy cheering a winning team too. The Twenty Chimneys is open for a sundae afterwards; or you can try the library for a study date.

Ever try skating as a study break? Or a night of Dramashop's one-acts? Doing things out of the ordinary, breaking the routine, is a great way to ease the tensions of study; and you don't have to go off campus or spend a lot of money, either. An athletic card and a sharp eye on the bulletin boards can be real assets.

We're all for supporting new activitiess and life in the Student Center; but the sailing team and the crew team and Tech Show, to name only a few, deserve more cheers too. And you don't have to drag yourself to events with a noble sense of duty; you can go, alone or with friends, expecting to see a good match, or a well-presented play, or a fast race. Try it this month sometime—and enjoy yourself!

THE TECH

Vol. LXXXV, No. 30 Jan. 7, 1966

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Narcotics on campus

One of the more controversial issues around college campuses these days concerns a chemical with the formidable title, lysergic acid diethylamide, known in the headlines as LSD. This drug and its functional relatives, mescaline and peyote, have been variously condemned as narcotics and hailed as the door to expanded consciousness. Increasing amounts of LSD are appearing among student populations.

Why take LSD—and why not? Some respectable people have tried the drug, and found it exhilarating; their beautifully written descriptions are tempting to scientist and philosopher alike. Other writers give lurid accounts of the evils of LSD rather reminiscent of a WCTU rally. Neither version is satisfactory to many students with a penchant for experimentation.

Some limited statistics show that private experiments with LSD and the other hallucinogens are not confined to the escapist, depressed group, or even primarily found there. In fact, it is just because LSD seems to appeal to many good students that we feel an honest appraisal of the drug is forthcoming.

Next week The Tech will present the facts about LSD—an admittedly limited knowledge of the physical, psychological, social, and legal problems which this chemical raises. It is not our aim to prove that taking LSD or peyote is immoral, or deserving of expulsion from school, but rather that any intelligent person should have second thoughts about taking such drugs in any but the most carefully controlled situations.

As with other narcotics, or even alcohol, ignorance is the greatest enemy to the amateur LSD experimenter. We urge our readers to examine next Friday's article, and welcome discussion on the drugs and their uses.

Footnotes

by Chuck Kolb

125. By now most of you are aware that President Julius A. Stratton is retiring in June. In addition to President Stratton, however, a number of other well-known members of the faculty and staff will either reach the mandatory 65 retirement age or will retire by their own choice.

Among those scheduled to leave are Frederick G. Fassett, Jr., Dean of Residence; Paul M. Chalmers, foreign student advisor; John C. Slater, Institute Professor; John T. Rule, former Dean of Student Affairs and professor of mechanical engineering; William C. Greene, humanities professor and secretary of the faculty; Antoine M. Gaudin, metallurgy professor; Joseph H. Keenan, mechanical engineering professor; Alexander Smakula, electrical engineering professor; and Roland D. Parks, associate professor of geology.

Professor Charles S. Draper will retire as Course XVI head, but remain as director of the Instrumentation Laboratory.

126. Some newspapers are in the habit of running small boxes at the top of their front pages. These features are called "ears," and usually contain little bits of wisdom like the New York Times' "All the news . . . That's fit to print."

Another paper that uses the "ear" is Caltech's student newspaper, The California Tech. The sentiments appearing in this publication are frequently much in tune with the atmosphere of technological institutes. Examples are: "In one ear . . . And in the other," "All the news . . . That fits in print," and "If we're all so smart . . . How come we go to Caltech."

127. A note to freshman taking 18.01—Don't show this handy proof to your instructor, but here's a quick way to prove that well-known theorem—For every epsilon there exists a delta.

Just check the list of MIT fraternities. A quick count indicates that there are six with epsilon in their names while eight frats have a total of nine deltas. QED.

128. One of the big letdowns of the week occured when someone showed us a copy of a French newspaper called Le Journal du Dimanche (The Sunday Journal) for last November 7. Tucked away in the middle of an article was a reference to airplane building at Massachusetts Institute of Technology. Then directly after MIT in parentheses was "Universite de Harvard."

Kibitzer

By Mark Bolotin

North
♠ 7 5
♥ A Q 5 4
♦ A Q 6 3
♣ K J 10

West
♠ 9 6 3 2
♥ 3
♦ J 9 7 2
♣ 9 6 4 2

East
♠ K J 8
♥ K 8 7 6 2
♦ 10
♣ 8 7 5 3

South
♠ A Q 10 4
♥ J 10 9
♦ K 8 5 4
♣ A Q

Bidding:

East	South	West	North
Pass	1NT	Pass	6NT
Pass	Pass	Pass	

Opening lead: two of Spades

A "safe" false-card at trick one misled declarer in his estimation of the opponents' hands and caused him to take the wrong line of play.

Before the play is discussed, North's bid of six no trumps merits some comment. He probably should have looked for safer slams in the red suits; however, the direct route to slam makes it more difficult for the opponents to find the best defense.

West found the opening lead of the deuce of spades, which he had hoped would be the safest defense against the slam. While declarer paused to consider his plays for the contract, East quickly determined that his partner must have an almost worthless hand. Consequently, the best play to set the contract was to mislead declarer in the spade suit in the hope that East might make both Kings good. Once declarer had played to the first trick, East followed with his Jack, which declarer had no reason to believe was anything but "third hand high."

South first tried the diamond suit, but after the Ace and King revealed the bad split, he switched his attentions to the heart finesse. The finesse failed, and East returned the eight of hearts. Declarer paused once again to consider his plays for the contract was cold by a squeeze. West had clearly started

(*Please turn to Page* 5)

Letters to The Tech

Dean's List

To the Editor:

I would like to express my concern for the lessening role that logic seems to be playing in recent administrative decisions, in particular, that of abolishing the Dean's List. Examples of this lessening role are plentiful in your editorial of December 1.

You first state that the Dean's List "serves no purpose whatever," and your very next sentence begins, "Many people are interested in a student's academic performance. . . . " Surely this is a purpose, as well as the obvious one mentioned on the front page of the same issue, that of serving as a reward for academic performance. You can hardly believe that it is not an incentive to some for achievement, just as any reward.

Doing away with the Dean's List does not destroy the grading system or even the two-digit cum, which you feel is an unfair and insufficient means of evaluating academic performance. Perhaps it is insufficient, taken alone, but no one is advocating it as a sole criterion for jobs, grad school, etc. Hopefully it is still a factor, though if the cum and the grading system are evil and impersonal, then we should go to the root of the problem.

"Any computer can prepare a Dean's List." I suppose that a squad of secretaries could be hired to give the list their personal touch, and a team of artists commissioned to do the cover, but I don't think a personal touch is necessary in averaging a student's grades.

As I am sure you know, all the people you mention as deserving a more personal evaluation of a student's academic performance already require just such an evaluation, in the form of references, in addition to those impersonal grades.

If public recognition of achievement in any specialized area is such a bad thing, then the Awards Convocation(which seems to be more important each year honorary societies, and our whole system of artificial incentives will have to be abolished.

In short, to condone such a move, and especially on the grounds stated, seems to me to be a far wandering from the path of reason.

Bob Wells '66

Vietnam poll

To the Editor:

The Science Fiction Society's poll on Vietnam had some peculiar results. We are graduate students in course XIX who both expressed approval of withdrawal and a smaller U.S. role, and disapproval on questions 3, 4, and 5. Yet, the published results show no graduate student in course XIX completely approving withdrawal, and only one approving a smaller role. In fact, inspection of the five votes from course XIX indicates that our votes were registered completely backwards! This casts considerable doubt in our minds as to the meaning of the poll. It seems unlikely that after years of test-taking both of us would independently completely misunderstand the directions, so there very likely were errors in their scoring. If we did mispunch the cards, this misunderstanding would then quite likely have been rampant.

Perhaps the poll results are pure science fiction?

C. TONY GORDON
RORY THOMPSON

SC furniture

To the Editor:

I would like to know who is responsible for the condition of the tables in the Student Center. I have noticed that many of them have gouges in the edges, obviously not made by students but probably by the workers installing them. One table, in fact, is split half-way down the center. To make me feel better or worse, could you find out if the tables are going to be repaired; if so, who pays?

David Shalloway '69

(*Mr. Murphy, manager of the Stratton Building, informs us that his men are and have been*

(*Please turn to Page* 5)

Space wind measured

MIT solar plasma detectors report from space

By Mike Rodburg

Solar winds are blowing at the "relatively slow speeds" of 670,000 miles an hour, NASA reported this week. Its information came from Pioneer 6, a spacecraft launched December 16 into orbit around the sun.

The unmanned spacecraft carries MIT detection equipment designed to investigate further the solar "winds" that blow through interplanetary space at supersonic speeds.

The winds, vast clouds of tenuous ionized gas, or plasma, spew out continuously from the turbulent sun and are composed of charged atomic particles, both positively - charged ions and negatively - charged electrons, which are from the sun itself.

Plasma detector

The solar plasma detector aboard Pioneer 6 is the work of scientists and engineers at M I T under contract from the NASA Ames Research Center in California. This marks the seventh solar plasma detector the MIT team has sent aboard NASA satellites and space probes. The first went up in Explorer X launched in 1961. Since then, the detectors have been aboard four other earth satellites and the Mariner probe that journeyed to Mars.

Solar winds do not penetrate the earth's magnetic field and only spacecrafts allow physicists the chance to get instruments up into the plasma currents to measure and study them. Gradually, a better understanding has begun to develop about the winds.

It is known that the winds travel at supersonic speeds with densities and intensities of the constituent particles depending on as yet unidentified but repeating features of the sun.

Earth's field compressed

The earth's magnetic field is compressed on the sunlit side by the winds. It also drags the field into a tail on the night side. The winds, impinging on the earth at high speeds, sets up a shock front which arcs around the sun side of the earth. Along the sun-earth axis, the front is about 12 earth radii out from the earth.

The solar plasma detectors aboard Mariner measured the solar winds all the way to Mars. These winds were not deflected by that planet, which led scientists to speculate that Mars has only a weak magnetic field (if any) and, hence, perhaps no molten core.

Solar plasmas offer an opportunity for basic physics studies that are not possible in earth-bound laboratories. Solar plasma is much more tenuous than any produced on earth. The dense plasma have always thwarted study from a dynamic viewpoint by the sheer complexity of the overwhelming numbers of particles present. The solar winds are a much simpler system.

Measure solar wind

The equipment aboard Pioneer 6 measures the number, density, direction of flow, and the energies of the particles that make up the solar wind. It will analyze electrons with energies from 100 to 1400 electron volts and protons in the energy range from 40 to 10,000 electron volts. It can measure particle fluxes between 400,000 and four billion per square centimeter per second.

The equipment is assembled as two small black boxes — one containing the detector itself and the other containing a 256-word (six bits each) core memory unit and associated electronics. The memory unity stores a large amount of data which is collected rapidly in bursts, and then relayed back to earth, continuing over a larger period of time.

Detector components

The detector is composed basically of a cup containing fine wire grids through which the particles must pass to reach a collector plate. The particles reaching the collector plate produce a current which can be measured by sensitive electronics. A rapidly pulsating high voltage applied to one of the grids affects particles in a selected energy interval and produces a pulsating component in the current arriving at the collector plate. The electronic measurement system responds only to this pulsating component of the current. By varying the high voltage, the energy distribution of the particles can be studied. Fourteen proton energy ranges and four electron energy ranges are studied.

The complete instrument weighs 6.16 pounds, contains some 700 transistors, and consumes an average power of 2.1 watts with a peak of 7.9 watts. It occupies about one cubic foot of space aboard the spacecraft.

Investigators are Dr. Herbert Bridge, Dr. Alan Lazarus, and Dr. John Davis, all of the M I T Laboratory for Nuclear Science. The memory unit and associated electronics were developed and built by Mr. Robert McMahon and Mr. John McCarron of MIT's Lincoln Labs.

Pioneer 6 is the first of four probes that will sweep out a path of 40 million miles on either side of the earth's orbit.

The Bulletin Board

Compiled by the Public Relations Committee of Inscomm, The Bulletin Board is a weekly service of the PRC and The Tech.

Meetings and events may be included in this article and in the MIT Student Bulletin by filling out a form in the Inscomm office or in Mr. Jim Murphy's office in the Student Center at least 12 days in advance of the week the event is to occur.

Further information may be obtained from Bob Howard (x3783), editor of the MIT Student Bulletin.

Friday, January 7

1:00 pm — MIT Islamic Society. Juma Prayers. Kresge Rehearsal Room A.
5:00 pm — Science Fiction Society meeting. Spofford Room, 1-236.
5:15 pm — Vedanta Worship Service. MIT Chapel.
7:00 pm—MIT Flying Club meeting. Student Center, Room 467.
7:00 pm—LSC Movie: The Conjugal Bed. Admission 50c. Rm. 26-100.
7:30 pm—MIT Hillel. Friday Evening Service. MIT Chapel.
7:45 pm—MIT College Life Society. Lecture: Existentialism. Speaker: Tom Finger, Wheaton College. Student Center, Room 473.
8:30 pm—MIT Hillel discussion and debate. Student Center, Rm. 473.
9:00 pm—LSC Movie.

Saturday, January 8

9:00 am — APO. Student Center, Room 473.
12:00 noon—Tech Show rehearsal. Kresge Auditorium.
1:00 pm — War Games Society meeting. Student Center, Room 473.
1:30 pm—MIT Bridge Club meeting. Walker Memorial, The Blue Room.
1:30 pm—MIT Chess Club meeting. Student Center, Mezzanine Game Room.
5:00 pm—Eta Kappa Nu initiation. Student Center, Room 491.
5:15 pm— LSC Movie: The Train. Admission 50c. Room 26-100.
7:15 pm—LSC Movie.
9:45 pm—LSC Movie.

Sunday, January 9

Postponed: Humanities Series. The program scheduled for today will be performed on Feb. 13.
9:15 am — Roman Catholic Mass. MIT Chapel.
10:00 am—Tech Catholic Club coffee hour. Student Center, East Lounge.
11:00 am — Protestant Worship Service. MIT Chapel.
12:00 noon — Protestant Coffee Hour. Student Center, East Lounge.
12:15 pm—Roman Catholic Mass. MIT Chapel.
1:30 pm—MIT Chess Club meeting. Student Center, Mezzanine Game Room.
4:15 pm — Roman Catholic Mass. MIT Chapel.
6:30 pm—MIT Concert Jazz Band rehearsal. Kresge Auditorium.
7:00 pm — Tech Show rehearsal. Kresge Auditorium.
8:00 pm—MIT Society of Radicals for Captialism. Lecture: Causality and Quantum Mechanics. Speaker: Mr. Richard Shields '65. Admission 30c for non-members. Student Center, Room 473.
8:00 pm—LSC Classic Movie: The Phantom of the Opera and Dante's Inferno. Admission 50c. Room 10-250.
8:00 pm—Freshman Council meeting. Student Center, Room 407.

Monday, January 10

5:00 pm — MIT Concert Band rehearsal. Kresge Auditorium.
5:00 pm — Outing Club meeting. Student Center, Room 491.
7:30 pm—Choral Society rehearsal. Kresge Auditorium.
8:00 pm — MIT Mathematics Club lecture: Categories. Speaker: Prof. Peter Hilton, Cornell University. Room 2-390.
8:00 pm — Social Service Committee meeting. Student Center, Room 400.
8:00 pm—MIT Film Society. Program of Experimental Films. Admission $1. Room 54-100.
10:00 pm—MIT Film Society.

Letters to The Tech

(Continued from Page 4)

sanding down marks on the tables. His office also contains two broken chairs from the Lobdell Room, plus a few other damaged items. We also would like to know who is responsible —or irresponsible, as it turns out. We can only ask that if you see any marks the next time you rest your feet on a table, please report it to Mr. Murphy's office on the mezzanine so that it can be fixed, at Institute expense, as soon as possible.—Ed.)

The Tech—5c

To the Editor:

Why is it that The Tech is sold by vending machines? Many other papers just have a pile and a coin box, leaving the collection of money to the honesty of their readers. Does not The Tech trust us? It's not that at all. It's just a way to get 10c per copy, considering how often you get the machine to come up with a paper on the first nickel.

So why don't you leave it to our honesty? The guy who won't pay for it under that system, doesn't pay for one now. He waits until a sucker like me comes along. After I plunk in a few nickels and get one at last, he just takes one and even feels justified in doing so.

Here's a great chance to make those guys feel cheap and also get me a paper for only 5c.

L. T. Greenberg '67

(Unfortunately, prosperous as The Tech is, it still needs its circulation money. The honor system was tried several years ago, with 43 percent losses. We suggest a year's subscription as a sure way to beat the machines and the cheapskates—Ed.)

Kibitzer . . .

(Continued from Page 4)

with four diamonds to the Jack, and the play of the cards showed him also to have begun with four spades to the King. Declarer need only cash his clubs and hearts to expect to find the following situation:

By declarer's calculations, West would have no safe discard.

Since West didn't have the spade King, his sluffing a low spade caused him no concern. However, when South cashed his Ace of spades and discovered that West's last spade was not the King, he incurred great discomfort at having to go down, especially since the spade finesse would win.

	North ♠ 5 ♦ Q 6	
West ♠ x x ♦ J 9		East ♠ K x ♥ x
	South ♠ A 10 ♦ 8	

While credit should be given to East for his false-card, declarer must receive blame for falling for it. It is unlikely that West would underlead a King against a naturally-bid no trump slam. Further, East's failure to return a spade upon gaining the lead in hearts is subject to suspicion. A spade lead at that time would have killed the entries for a squeeze, if any squeeze existed.

Dr. Weisskopf returns to MIT after directing CERN research

By Stewart Blickman

Dr. Victor H. Weisskopf has returned to MIT after five years of directing subnuclear research in Europe. He served as director-general and scientific director of the European Organization for Nuclear Research (CERN), located in Geneva, Switzerland.

Before his return, Dr. Weisskopf had been engaged in arranging finances with several European countries for a 300 Bev accelerator and a storage ring using CERN's 29 Bev protons from their synchrotron. Authorization for the accelerator is still pending.

To go to French

The new accelerator, if approved, will rest on the French side of the French-Swiss border, the rest of CERN being on the Swiss side. CERN will thus become the first international organization to straddle an international border. This is in keeping with Dr. Weisskopf's long-standing belief in international cooperation in scientific research.

In recognition of his leadership a book of original essays written by his colleagues throughout the world who visited and worked with the theoretical group at CERN has been dedicated to Dr. Weisskopf. A copy of the book was presented to him in a surprise ceremony at CERN on Dec. 8.

MIT Contributors

Contributors to the work are such world renowned Physicists as Hans Bethe, Cornell Univ. T. D. Lee of Columbia, and Robert Oppenheimer of the Institute for Advanced Study in Princeton. Professors Low Huang, Feshbach, and Kerman of MIT also contributed.

An indication of Dr. Weisskopf's nature and methods can be glimpsed through a quotation from the foreword of the book, entitled "Preludes in Theoretical Physics." The editors report Dr. Weisskopf "has won a special reputation for his insistence on looking at any given problem in physics from a variety of angles, and for his attempts to reduce to bare minimum formal derivations."

Dr. Weisskopf received several honorary degrees during his years at CERN. They included a PhD from the University of Vienna, awarded on its 600th anniversary, and an ScD from Oxford and Yale. In addition, his book, "Knowledge and Wonder; The Natural World As Man Knows It," published while he was at CERN, was selected the outstanding science book for youth of the year by the Thomas Alva Edison Foundation.

Max Planck Medal

Born and educated in Europe, Dr. Weisskopf has worked with such physicists as Schroedinger and Bohr in Europe. He came to the US in 1937 to join the faculty of the University of Rochester. He worked on the Manhattan Project, and is past president of the American Physical Society. In 1956 Medal of the German Physical Society.

According to Prof. Buechner, head of the Physics department, it has not yet been decided whether Prof. Weisskopf will teach a course already offered or whether a special seminar will be arranged. In any event, he will continue his theoretical research.

movies . . .

From New York to Paris—by land

By Andy Seidenfeld

'THE GREAT RACE' playing at the Circle Theatre; starring Tony Curtis as The Great Leslie, Jack Lemmon as Prof. Fate, Natalie Wood as Maggie Dubois, Peter Falk as Max, with Keenan Wynn and Larry Storch, directed by Blake Edwards, music by Henry Mancini and screenplay by Arthur Ross.

Well, Jack Lemmon has hit the screen once again. In much the same manner as usual he runs around making faces, trying to get us to laugh, and succeeding most of the time, too. However, for a change, he is the villain. A villain everyone is rooting for, much like the coyote in a certain cartoon series.

The plot is certainly nothing out of the ordinary. Two daredevils, Prof. Fate and the Great Leslie, compete in order to attract more crowds and hence win fame. Leslie decides to organize a great automobile race from New York to Paris, the hard way—up to Alaska, across to Siberia on an iceberg, through Russia and then on through to France. Maggie Dubois, a suffragette journalist, tags along to prove to the world that women can cope with the dangers of such a trek as well as men. En route we encounter the usual slapstick: a saloon fight, pie-throwing battle, and so on.

By now you have probably figured out who is who in the movie. As mentioned above, Jack Lemmon, as Prof. Fate plays the same part as usual. We see the same colorful gestures and expressions as in most of his other movies without growing tired of them.

Great Leslie is portrayed by Tony Curtis. Wherever he goes the women are always running after him. Needless to say, this does not present him with a very difficult role. And also needless to say, he plays the part accordingly. The Great Gentleman Leslie would probably have been a better name for this character, for that is exactly how he handles every situation.

Natalie Wood is the male attraction as Maggie. It is not necessary to say much about her, except for the fact that as far as her acting is concerned, she neglects this role and just drags along. Her wardrobe is quite stunning.

The highlight of the movie is Peter Falk, who plays the part of Max, Prof. Fate's assistant. Perhaps it is because for a change we get to see someone different going through the clodlike actions required for this sort of role. Some of you will probably remember his small but amusing part as one of the cab drivers in "It's a Mad, Mad, Mad, Mad World." In his own clumsy way he's the biggest farce of the entire evening.

It is interesting to note the influence that great box-office sell-outs such as the James Bond films, "Those Magnificent Men in Their Flying Machines," and "It's a Mad, Mad Mad, Mad World" have on this movie. From the first series the idea of odd and interesting gadgets is used. Prof. Fate comes up with a few eye-opening contraptions during the earlier scenes of the movie. These include a few flying objects, thus bringing to mind the second movie mentioned. The director, Blake Edwards, who gave us "The Pink Panther," does not quite manage to capture the slapstick, farcical atmosphere that would have made this movie somewhat more amusing.

You most likely will enjoy this movie while watching it, however, the next day you will have forgotten most of the gags and funny lines.

Third year underway

New Systems Program explained

By Ted Nygreen

Ten juniors in course XV began their study of Industrial Management in a new way last September, and the Undergraduate Systems Program was underway for its third year. The new program has already received national acclaim and is gaining recognition rapidly as a progressive and effective managerial education.

The growing dissatisfaction with traditional methods of teaching business prompted the MIT Committee on Educational Policy to approve this experiment in education where students actually run the show.

New Structure

As Business Week said in describing the program, "At MIT, students are the boss." That is to say, the new program departs from the standard course XV curriculum by eliminating formal classes in the functional areas—marketing, statistics, finance, and production, for example.

Rather, the time is organized loosely to provide students the opportunity of planning their studies around research projects, tutorials, weekly conferences with business executives, and other activities as they see fit.

Emphasis is on the organization as a whole. Instead of confining the learning to separate management and business functions, the students study the dynamic interactions of these various areas—the systems nature of the business enterprise.

MIT President-elect Howard W. Johnson, former Dean of the Sloan School of Management, stated the purpose of the USP to be fivefold:

1) Provide flexibility in content and format so that the student consciously can be the manager of his own education.

2) Emphasize the dynamic interactions between the separate management functions so that the need to understand marketing, accounting, finance, personnel, production, and research and development theory and practice is clear and, at the same time, in perspective relative to the constantly changing environment of the corporation and industry as a whole.

3) Provide original research opportunities that require the definition and solution of real, important management problems.

4) Develop the ability to communicate skillfully orally and in writing.

5) Encourage the capacity to lead and cooperate effectively with people, and personal qualities such as courage, initiative, integrity, confidence, and dedication to purpose that are necessary for successful management.

No Grades

The motivation for successfully achieving the five part purpose of the program should come from the students— stemming directly from the students' own initiative. Thus the concept arises of the students being "the boss."

No grades are given to USP students in any of their subjects. Often viewed as a reward or punishment, grades have been displaced by other methods of evaluation which inspire high performance rather than create a pressured atmosphere for "fact-cramming." Self-motivation and group evaluation is effected by interest in research projects, tutorials, conferences with businessmen, seminar discussions, and individual classroom presentations.

Idea Men

Credit for the success of this progressive course structure must be given in large part to Professor Jay W. Forrester, head of the USP Advisory Committee, and Willard R. Fey (MIT '57), the group's advisor who has worked actively with each USP group since the idea's inception 3 years ago.

Professor Forrester is the nation's leading exponent of Industrial Dynamics, the philosophy upon which the new program is founded. Essentially, Industrial Dynamics is a systems approach to management education which recognizes that businesses are composed of many involved, hard-to-discern relationships which feed upon one another and affect the entire company.

The Members

In the spring of each year, ten sophomores are selected to participate in the experimental program for their junior and senior years. Selections are made from the total group applying after each applicant submits a letter describing his motivation, suitability, and background, and is interviewed by at least four faculty members on the USP advisory committee.

In the latter part of the spring term, the Sloan School of Industrial Management will announce meetings for all sophomores interested in the program. After these initial get-togethers, serious applicants will be interviewed for selection.

As in any experimental program, there is a possibility that it could be discontinued at any time. Presently, the USP is in a state of uncertainty. The value of the program has been judged beneficial by most officials reporting but the future depends also on the factor of personnel and approval and support from the Committee on Educational Policy.

Talking Rock

By Don Davis

'The Sounds of Silence' has finally reached the vaunted position of number one in the nation. The Simon and Garfunkle folk-rock tune hit number one for Billboard in the January 1 issue, nine weeks after it became Boston's top song. Although the 'Sounds' is now a big hit all over the country, its reign as number one will probably be short; 'We Can Work It Out' jumped from number eleven to number two. This is apparently the over-all bigger hit on the Beatles' single. Although 'Day Tripper' is bigger in the Far West and the Deep South, it ranks only 18 for Billboard.

The Beatles' single has probably been overshadowed by their 'Rubber Soul' album. The album, with an initial allocation of 2 million copies, set a record for fastest-selling album for the Beatles and for Capitol. The Beatles' all-time biggest-selling album to date is 'Meet the Beatles,' which has sold 4.5 million copies. A major reason for the success of 'Rubber Soul' is 'Michelle.' This beautiful Lennon and McCartney composition has already been recorded on singles by five major groups. The version which will probably become a big national hit is by David and Jonathan, a British duo. The song is produced by George Martin, who has produced all the Beatles' recent hits, and sounds very similar to McCartney's rendition. The Spokesmen, who recorded "The Dawn of Correction," have a version of "Michelle" which is doing very well in the Philadelphia area. Instrumental versions are performed by jazz saxophonist Bud Shank (eighth on last year's Playboy jazz poll), Billy Vaughn, and the Les Baxter orchestra.

Radio astronomy used in OH- spectra study; new substance found

Since the discovery of interstellar hydroxyl radicals in 1963, many researchers have been using the techniques of radio astronomy to analyze their emission and absorption spectra. The fifth Compass Seminar sketched the course of the research and described the present state of knowledge in this field.

An Australian observatory first discovered galactic OH but did not realize the nature of their discovery. It seems that while studying an H+ source, impulses were received at 1612, 1665, 1667 and 1720 megacycles characteristic of OH—; however, the intensities were not in the expected ratios of 1:3:9:1. For want of an explanation the substance was termed Mysterium.

Yet this oddity was merely a beginning, for soon after its positive identification other strange properties were discovered. Apparently the hydroxyl ions are moving toward the galactic center, whereas the usually nearby H+ clouds seem to be moving away. Secondly, the temperature of the OH has been determined to be above 1300 degrees Kelvin; that of H+ is about 8 degrees. Lastly and most important is the circular polarization observed in the emission spectra of OH—, in some sources close to 100%. No such polarization has been observed in H+ or in the absorption spectra. As yet no thoroughly satisfactory explanation has been proposed.

Bertolt Brecht play staged at Kresge

The Theatre Company of Boston will present its rendition of Bertolt Brecht's "The Fear and Misery of the Third Reich' in Kresge Auditorium this Monday, January 10, at 8:30 p.m. The production, sponsored by the MIT Department of Humanities, is recommended for those students taking 21.05 but is open, free of charge, to any member of the MIT community. No tickets are necessary; admission is on a first-come, first-serve basis.

The play is currently running at the Theatre Company's location in the Hotel Touraine, 200 Tremont Street, Boston. Ticket reservations can be obtained by calling HA 6-6609.

Work of Preusser on exhibit in Boston

Paintings by Professor Robert Preusser of the Department of Architecture will be featured at an art exhibition opening on January 14.

Robert Preusser was born in Houston in 1919. He came to MIT as a visiting lecturer in 1954 and has been an Associate Professor of Visual Design since 1961.

Recent paintings by Robert Preusser will be exhibited from January 14 to February 15 at the Joan Peterson Gallery, 216 Newbury Street, Boston.

Movies and theatres

Astor—'The Spy Who Came in From the Cold'; Sat. 7:35, 9:35; Sun. 7:00, 9:00.

Beacon Hill—'The Loved One'; 10:00, 12:00, 2:00, 4:00, 6:00, 8:00, 10:00; Sun. 1:30, 3:30, 5:30, 7:30, 9:30

Boston Cinerama—'The Battle of the Bulge'; 1:30 5:00, 8:30.

Brattle—'Breathless'; 7:30, 9:30, starts Fri. 'Knife in the Water'.

Capri — 'Boeing-Boeing'; Sat. 10:30, 12:20, 2:15, 4:10, 5:55, 7:50, 9:45; Sun. 5:40, 7:35, 9:30.

Center—'Frankenstein Meets the Space Monster' and 'Curse of the Voodoo.'

Cinema Kenmore Square—'The Tenth Victim'; 2:15, 4:00, 5:50, 7:45, 9:30.

Exeter—'A Night at the Opera'; 2:00, 3:30, 5:20, 7:15, 9:10

Esquire—'Red Lanterns'; 6:30, 9:40. 'Eva'; 7:45.

Fine Arts — 'Black Orpheus'; 7:00, 10:10; 'Electra'; 5:00, 8:45.

Gary—'Sound of Music'; 8:30; Sun. 7:30.

Harvard Square—'Return From the Ashes'; 2:55, 6:15, 9:45; 'Operation CIA'; 1:25, 4:40, 8:10.

Loew's Orpheum—'Never Too Late'; 7:30, 9:30.

Mayflower—'River Mississippi'; and '18 in the Sun'; 6:25, 7:50, 9:00.

Music Hall—'Thunderball'; 7:45, 9:55.

Paramount — 'That Darn Cat'; 7:10, 9:25.

Paris Cinema—'Rapture'; 6:00, 8:00, 10:00

Park Square — 'Tenth Victim'; 2:15, 4:05, 5:55, 7:40, 9:30.

Savoy—'Do Not Disturb', 10:00, 12:00, 2:00, 4:00, 6:00, 8:00, 9:45.

Saxon—'Agony and the Ecstasy,' 8:30

Symphony Cinema — 'Sundays and Cybele.' and 'My Uncle,' 2:00, 4:00, 6:00, 8:00, 10:00.

Uptown—'Return from the Ashes' and 'Sandpiper', 9:20, 11:00, 3:15, 7:30.

West End Cinema—'That Kind of Woman', and 'Lady Killer of Rome,' 7:30.

THEATRES

Charles Playhouse—'Major Barbara' by George Bernard Shaw, 8:30 p.m.

Shubert—'The Deputy,' 8:30 p.m.

Theatre Company of Boston—'The Fear and Misery of the Third Reich,' by Bertolt Brecht; 8:30 p.m ; 6:00 and 9:00 Sat.

Expect 200 delegates

'The Urban Challenge' topic of conference

By Mike Devorkin

The MIT Intercollegiate Conference Committee will present a conference entitled "The Urban Challenge" at MIT April 13-16. The conference will involve 200 student delegates from universities from across the country.

The field of urban problems has been traditionally discussed in the academic world from the social, economic, political, or technical standpoint. "The Urban Challenge" will attempt to change this "or" to an "and."

The purpose of the conference is to promote nation-wide and especially MIT-wide student interest in urban problems and in the interdisciplinary approach to them.

To achieve this goal, the conference will have sessions for everyone and also small discussion groups with 10 to 12 student delegates per group. The large sessions will feature some of the major figures in the field, who will propose controversial solutions to some of these problems. These should start the students thinking about the issues, but far more effective toward this end will be the small discussion groups.

In line with the idea of a completely student-run conference, these discussion groups will be chaired by students. The choice of which problem to investigate will be determined by the interest of the delegates.

Each student leader will have at his command an expert in each of the fields for an authoritative view. After each discussion, a student reporter will, with the discussion leader, write up a report describing the major opinions expressed, which will be distributed at the next group meeting. All of the reports will be published at the end of the conference.

These two types of positions (discussion leader and reporter) are open to both MIT undergraduate and graduate students. Anyone interested in either of these or in any other position connected with the conference should contact Bill Pecora (x3214).

MIT corporation: analysis

(Ed. note: President-elect Johnson was elected by the Corporation, but just who are the men behind this Corporation? And exactly how is a president chosen? In this, the second of a two-part story on the Corporation, these and other questions about the government of the Institute are answered. In the previous article the history and the membership of the Corporation were discussed; it concluded with a report of the work of the executive committee, one of a number of Corporation committees.)

The executive committee is not the only powerful group at the Institute. There are also the development, investment, and membership committees. The purpose of the development committee is to increase the resources of the Institute with such programs as the Second Century Fund. The committee is headed by Dr. James Killian, with President Julius A. Stratton and Vice President and Treasurer Joseph J. Snyder as ex-officio members. While the executive committee has "general oversight" of the allocation of the resources of the Institute, the development committee must secure the funds. A committee, as such, has in effect been replaced by a group of about seventy alumni all around the country, who continually make attempts at increasing MIT's available resources.

Investments

Once the funds are secured, the investment committee is in charge of increasing them through investments. The committee is headed by Vice President and Treasurer Snyder, and Dr. Killian is an ex-officio member. This group is overseen by the auditing committee. In Dr. Killian's words, "There has been more development here at MIT than at any other institution."

As Vice President James McCormack remarked, "The Corporation is pushed to take more responsibility than a Board of Trustees." In doing so, the members have positions on what are called visiting committees. There are visiting committees for every course at MIT and one each for international studies, libraries, the medical department, sponsored research, and student affairs. In effect, these committees operate as advisory groups to the Corporation, meeting once a year with the head of the department and other concerned people.

Each committee has at least seven members. Three are members of the Corporation with one serving as chairman of the group. Two are outside people in the field and are nominated by the President. In addition, two are nominated by the Alumni Association. Often a committee will have more presidential and alumni appointments than the required number. In a sense, these committtees review the work of each department and make a report to the Corporation.

Total balance

As Dr. Killian remarked, "It makes it possible for the Corporation to come in contact with the Institute, and for the Institute to be brought the view of industrial needs." Although the American system of colleges has come to set up governing bodies of outside people, at MIT the situation seems to be one of total balance. Dr. Killian feels that "We have come to delegate to the faculty very great powers and responsibility for educational policy." The faculty is given a free hand on curriculum and design, with no intervention from the Corporation.

Stratton to retire

Despite all of its committees, the Corporation could not run without some very important individuals. First, of course, is the President, who, as chief executive officer, is responsible for running MIT — from the standpoint of both administration and policy. Dr. Stratton is retiring this year and, in order to name his successor, the Corporation selected the Fisk nominating committee to find the new man. The committee was comprised of Corporation members and no members of the administrative or educational staff.

Other important men include Chairman Killian, Vice President and Treasurer Snyder, retiring Vice President McCormack, Secretary John J. Wilson, '29, and Vice President and Secretary Vincent A. Fulmer, '53. The Chairman sits on all committees and is chairman of the membership and development committees. His major job is to see that the Corporation runs efficiently and effectively. He also does a great deal of work in bringing MIT new resources.

Mr. Snyder, a member of the executive, development and investment committees, is responsible for the Institute's funds and their use. He helps to control the budget of "one of the ten largest privately endowed institutions in the country.." Before retiring, General McCormack held an office not included in the Corporation charter, but, in effect, built around him. One of his major duties was the running of the Lincoln and Instrumentation labs here at the Institute.

Secretary Wilson holds the legal post of Clerk of the Corporation, but he is chiefly backed by Mr. Fulmer who, with the assistance of Mr. Colton, carries out extensive work with the visiting committees.

Being a member of the Corporation is a great honor. Yet, along with that honor, there is a great deal of difficult and time-consuming work. However, without this unique system of control and administration, MIT could not be the School it is today. The Corporation has ultimate responsibility for what happens here at MIT. The Corporation, itself, seems to be a cohesive body made up of, in General McCormack's words, " a sterling group of men."

Engle at conference held at West Point

Richard H. Engle '66 was among the more than 200 students from 96 colleges and universities throughout the United States and Canada taking part in the 17th Annual Student Conference on United States Affairs at West Point, Dec. 1-4. The Conference featured General Maxwell Taylor as its chief speaker.

Speed limit 300 mph

Project Transport to study travel of the future

By David Ifeld

(Ed. note: Project Transport is a study of the possibilites of various modes of high speed ground transportation. The following article is the first of two on the topic and discusses the various goals of the project.)

Imagine yourself boarding a passenger capsule at a local transit station. After traveling through the intra-city loop, you are automatically transferred onto a main line train for a 300 mph excursion from Boston to Washington. This is a glimpse of what ground transportation may be like by 1980.

The objective of Project Transport at M I T is to set the foundation of research for later development and implementation of high speed ground transportation systems. This work is being carried on by 70 scientists and engineers as an interdepartmental effort.

This system would differ radically from conventional passenger trains and railways. It would be designed to link with urban and suburban transit networks and meet the transportation needs of the Northeast Corridor in 1980. This would include such diverse features as urban transport, transportation between cities in the corridor, and transportation from points within the corridor to other domestic points.

Door-to-Door Service

According to Dr. William W. Seifert, Project Director and Assistant Dean of Engineering, "Project Transport provides door-to-door transportation without requiring that the traveler change from one mode of transportation to another as his trip progresses. Also, each vehicle is designed to carry a small number of people. The mass transportation systems cvurrently available do not possess any of these characteristics and, therefore, do not attract the number of people that they might."

While transportation, which includes highways, autos, railroads, airlines, and shipping, represents approximately 20% of our gross national product, the amount of research and development has been almost nil. Recognizing the need for vastly improved modes of transportation and the growing public concern over the inadequacies of present systems, the US Department of Commerce has awarded MIT a contract to obtain engineering and cost data relevant to the research of engineering design, testing, and demonstration of alternative passenger transportation facilities.

Highway Safety

Mr. Stan S. Wirsig, Executive Officer of Project Transport, said, "The technology had been worked out to the limit by railroads, with exceptions for air. They ran trains at 110 mph during the 1920's and '30's; however, the main problem was high maintenance, and so they backed off from high speeds."

Dr. Seifert views "Project Transport as the designation for the over-all effort in transportation." In addition to Project Transport, MIT is doing research on highway safety for General Motors, and studying short-haul aircraft.

A unified approach is mandatory for such a project, as the subsystems must be wholly integrated into the over-all system. Not only does this encompass engineering and design problems, but also economic, social, and psychological factors. At this initial stage the technical difficulties are of immediate concern, while the other factors will become dominant during the period of implementation.

Intercity at 300 mph

This high speed ground transportation system should provide mainline intercity speeds in the range of 300 mph. It should be equipped with a variety of different vehicle sizes which would adapt to varying traffic requirements. The complex should be operated basically under a system of dynamic scheduling in which a vehicle departs when a passenger wants to go rather than one in which the passenger is forced to wait until a pre-scheduled vehicle arrives. It should also be highly integrated with a well-developed feeder network servicing all of those areas within the system which have significant population densities.

Tech Show crew still incomplete

Auditions have been completed for the cast of Tech Show '66, to be staged in Kresge Auditorium on March 3, 4, 5, 11, and 12, but there is still an opportunity for anyone interested in working on the many production crews to do so. Living group social chairmen wishing information for block ticket sales, and persons wishing to work on the crews should contact Stuart Vidockler '66, general manager, at 566-1276.

MIT used as model for British Churchill College

Sir Winston Churchill's most lasting monument may be a new college of science and technology modeled on MIT.

Churchill College, located, interestingly, in Cambridge, England, is working to mold a new breed of classless scientist, and to cross-fertilize Britain's academic life with infusions of talent from the United States, from industry, and from the arts.

Under the college statutes, 70 percent of its students must be scientists. But Churchill presently also has students in history, English, languages, and even Greek.

One-third of the 450 students are postgraduates, a break with Cambridge tradition. Eventually it will have 650 students, making it the third largest college at the university.

The modern image of Churchill College is in great contrast to the surrounding area. Its buildings are of unadorned brick and concrete, without a medieval spire in sight.

Undergraduate life at Churchill is freer than in other colleges. A sculptured aluminum gate clangs shut at midnight, but students can go to their rooms by a back route. They can bring their girl friends to dine in the college's wood and concrete hall. They drink with their teachers at the college pub.

The master of the college is Sir John Cockroft, a pioneer in nuclear theory and director of Britain's postwar program of atomic research. He has moved freely in pure science, technology, and government for 30 years, and is thus the epitome of what the college is trying to create out of its students.

Highway Board meets in Washington, D. C.

MIT will have four representatives at the 45th Annual Meeting of the Highway Research Board of the National Academy of Sciences—National Research Council to be held in Washington, D.C., from January 17 to 21, 1966.

Thomas B. Sheridan and Robert Roland will present a report entitled 'A Normative Model for Control of Vehicle Trajectory in an Emergency Maneuver." A report by F. Moavenzadeh and R. R. Stander, Jr., is "On Flow of Asphalt."

Eight teams left in bowling tourney; Theta Chi tops Senior House 2-1

The eighteen top intramural bowling teams started the post season tournament for the school championship Monday. Combining these scores with regular season records, the bottom ten teams were eliminated, thus leaving the top eight teams to participate in a double-elimination tournament for top honors.

The eight teams still remaining are Burton I, Burton III, Baker "A," Senior House "C," Phi Mu Delta "A," Sigma Phi Epsilon "A," Tau Epsilon Phi "A," and Theta Chi. The second round of the tournament was held the following evening with Burton, Baker, Phi Mu Delta, and Theta Chi prevailing in their matches.

Theta Chi pulled the only upset of the evening as they defeated highly touted Senior House "C," 2-1. Senior House had been seeded second going into the match. After splitting the first two games, both teams started the third game very quickly, but it wasn't until the tenth frame that Theta Chi secured the victory, 574 to 569. The high individual series of the night was rolled by Don Morrison of Baker "A" with a 217-181-218-616.

The next round, which will be held 1:30 Sunday at Brighton Bowl, will feature the match between the present tournament favorites, Baker "A" and Phi Mu Delta "A."

Final Totals

Phi Mu Delta	252.33
Senior House "C"	245.14
Burton I	241.06
Baker "A"	239.19
Tau Epsilon Phi	236.16
Sigma Phi Epsilon	231.22
Theta Chi	231.13
Burton III	229.12
Alpha Epsilon Pi	224.17
Baker "B"	222.17
Burton "V"	221.03
NRSA	219.10
Burton "IV"	216.44
Lambda Chi Alpha	215.33
Senior House "A"	211.22
Sigma Chi	206.39
Ashdown House	201.02
Burton Satyrs	177.14

Playoffs

Phi Mu Delta d. Burton III 3-0
Theta Chi d. Senior House "C" 2-1
Burton I d. Sigma Phi Ep 2-1
Baker "A" d. TEP 3-0

Looking back

'The Lounger' offers sage advice

By Bob Horvitz

65 years ago

. . . The Lounger, which was a column in The Tech that sort of walked right in, sat right down, and poured out editorial observations, proclaimed:

"We have noticed with much pleasure the entirely irreproachable conduct of our protegees, the Freshman Class of '02. They have not hung their drill instructor in effigy (**nor, apparently, had they hanged him**) nor perpetrated such juvenile games in Military Science lectures as setting off alarm clocks and throwing pennies. In fact they have shown themselves to be very well behaved little boys, as all Freshmen should (**'69 take note**).

"It does seem unfortunate, on the other hand, that '03 cannot get over its childish ways. It would seem that English Lit., Calculus and Physics (**Yes, Virginia, MIT courses did once have names**) should prove to be of such absorbing interest that the little Freshmen of but a few months ago would forget the spirit of play that is so constantly bubbling over, and settle down.

"The Lounger in his boundless pity and compassion would fain give them much advice as to the best way out of their present deplorable condition, but he will content himself with but this one admonition, 'Be good! but if you cannot be good be careful!' "

That proverb strikes a familiar tune, but somehow the conditions just do not seem appropriate.

35 years ago

. . . The Tech ran the following news article:

"In order to stimulate interest in a football game which took place recently, the students at Gonzaga College held a nightshirt parade. Nearly three hundred students attired in nightshirts and pajamas paraded through the downtown streets of Spokane, Wash. Stops were made at several hotels and pep demonstrations were given."

No one said exactly what was demonstrated at these hotels.

. . . Jimmy, an MIT janitor discharged for "habitual drunkenness" was discovered to have been soliciting members of the instructing staff and students for small loans. He obtained sums ranging from two to twenty dollars, after having told a hard luck story mentioning a sick wife. "It is not known whether or not he has a wife," noted The Tech.

25 years ago

. . . Techmen had their own way of celebrating the New Year:

"Mute testimony of the ingenui'y of the Tech Engineers it stood, nor said a word, nor breathed a sigh, nor moved, for all its three hundred pounds. Its mysterious appearance, far from its usual haunts, squatting sedately in the freight entrance of Goodale led to rumors.

"Rumors led to the arm of the law which soon made its appearance but not in the conventional nick of time. Working strenuously for one hour and a half, the Cambridge police officers finally retrieved their much coveted traffic box which had by some mystical method been comfortably ensconced in the Tech Dorm over the New Year's Eve.

JV grapplers blank Lowell State; 45-0 victory raises record to 3-1

The JV wrestling team crushed their Lowell State counter-parts Tuesday night 45-0. Seven Tech grapplers pinned their opponents to go along with two forfeits. Louis Offer '67 obtained the quickest pin, taking his 123 pound opponent down with 39 seconds remaining in the first period.

This resounding win brought coach Chassey's men up to a 3-1 record for the year. The following men have been representing Tech in the JV matches: Offerr (123), Ed Tripp '67 (130), Pete Negata '68 (137), Dale Stahl '68 (145), Tom Hall '66 (152), Steve Reimers '68 (160), Don Pryor '68 (167), Jack Elder '66 (177), and Tom Garvey '68 (unlimited). The grapplers will journey to Leicester on Tuesday looking for their fourth win.

JV hoopmen down Wentworth; Santini nets 17 to lead scorers

The junior varsity basketball squad brought its record to 4-0 with a 71-50 victory over Wentworth Institute Wednesday night at Rockwell Cage.

Dan Santini '67 led the MIT assault against the small, fast Wentworth five with 17 points, including 7 field goals in the second half. Tom Hinrichs '67 contributed 14 points and Alec Bash '68 scored 13.

Steve Douglass '67 dominated the boards for Tech, as MIT led throughout the contest. The JVs are in action next Wednesday against Emerson, away.

MIT	G	F	P	WENTWORTH	G	F	P
Altman	4	2	10	Decareau	3	2	8
Deredoff	1	1	3	Canales	2	1	5
Douglass	3	0	6	Kirk'k's	6	2	14
Fer's. B.	2	0	4	Sing'ton	2	0	4
Green	1	0	2	Bishette	7	0	14
Hinrichs	5	4	14	Ceceita	0	4	4
Bash	5	3	13	Larange	0	1	1
Santini	8	1	17				
Esten	1	0	2				
	30	11	71		20	10	50

MIT ..... 30 41—71
Wentworth ..... 17 33—50

ZBT defeats LXA

IM hockey finals start January 16

Photo by Jim Robertson

This fight for the puck highlighted second period action in Monday night's ZBT - LXA game. ZBT topped LXA 6-1 to bring its record to 2-0. LXA finished the season at 1-2. Playoffs are scheduled to begin January 16.

Intramural Hockey Playoffs are scheduled to begin January 16. There will be pre-playoff games between the major division teams to determine playoff seedings Jan. 11 and 13.

In the ZBT-LCA game Monday night, ZBT came out on top 6-1. Chuck Green '67 had 4 goals for ZBT, while Henry Goldman '66 and Bruce Fauman collected the other two goals. Jerry Hokansen '68 scored the lone LCA goal. Although the score looks one-sided, the game was not out of reach for Lambda Chi until the end of the third period, when ZBT collected their fifth and sixth goals with three minutes to play.

Intramural Hockey Standings as of 1/2/66

	W	L	T	Pts
MAJOR DIVISION				
League A				
Burton "A"	2	0	0	4
NRSA	2	1	0	4
Fiji "A"	1	1	0	2
Chi Phi	0	3	0	0
League B				
ZBT	3	0	0	6
SAE	1	1	0	2
LCA	1	2	0	2
DU	0	2	0	0
SEMI-MAJOR DIVISION				
League C				
Sig Ep	2	0	0	4
Sigma Chi	1	1	0	2
E. Campus	1	1	0	2
PKS	0	2	0	0
League D				
SAM	2	0	0	4
Theta Chi	1	1	0	2
PKT	1	2	0	2
ATO	0	1	0	0
League E				
Ash. House	2	0	0	4
Baker	1	1	0	2
Pi Lam	1	1	0	2
AEPi	0	1	0	0
MINOR DIVISION				
League F				
PDT	2	0	0	4
PKS	1	1	0	2
SH	1	1	0	2
PMD	0	2	0	0
League G				
NRSA "B"	2	0	0	4
Fiji "B"	1	1	0	2
Burton "B"	0	1	1	1
TDC	0	1	1	1
COMMUNITY LEAGUE				
Civil Eng.	2	0	0	4
Instrument. Lab	2	1	0	4
Beacon St. A.C	1	1	0	2
Habitants	0	3	0	0

Harvard edged in final seconds

(*Continued from Page* 1)

they hit on only 32 percent of their field goal attempts. Tech gradually pulled away until a three-point play by Kinsella and jumper by Wilson gave them a 40-32 halftime lead.

The second half began just as the first had ended. Harvard continued to miss on both its outside shots and its tip-in attempts. A long jumper and a driving lay-up by Jansson gave Tech a 52-41 lead with 16 minutes remaining.

However, very suddenly Harvard's sharp-shooting forward, Keith Sedlacek, who is destined to become the highest scorer in Crimson history, became hot. He hit six consecutive outside jumpers, and the Techmen saw their lead dwindle until Harvard took a 73-72 lead with 6:30 remaining. During this time Harvard's press forced MIT into many mistakes, and only the fine shooting of Wilson and Kinsella prevented a complete collapse.

Harvard takes lead

Harvard's lead increased to no more than three until a Jansson field goal, two Wilson free throws, and a Flick jump shot put the Beavers back in front, 78-76 with 4:30 left. Two pressure free throws by Greg Jerrell '67, who replaced Kinsella after the latter fouled out, a tip-in by Crimson center Barry Williams, and two more foul shots by Jansson gave Tech an 82-78 advantage with only 2:14 remaining.

But Harvard bounced right back as guard Jeff Grate sank a jumper, and Sedlacek quickly stole the ball back and layed it in to knot the score at 82 all with 1:50 to go. With 50 seconds left Wilson hit a turn around jumper, but then Sedlacek was fouled in the act of shooting. He missed both clutch free throws; however, a loose ball resulted, which he grabbed and stuffed in with 30 seconds left to tie it up again.

When MIT got the ball into the front court they tossed it around until Flick spotted Wilson all alone underneath. The MIT center sank the shot with 8 seconds to go, fell short, and the Beavers pranced off the court with a thrilling 86-84 triumph.

MIT shoots 54%

MIT's victory was a result primarily of their superior shooting. They connected on 34 of their 63 field goal attempts (54%), while Harvard hit 39 of 87 (42%). Their 90% free throw average was far better than their opponents' 50%.

Kinsella was the big surprise for MIT; he had very little playing time under his belt previously but in his first starting assignment he came up with 20 points and eight rebounds. Wilson was again the clutch performer as well as high scorer with 34 points, his highest total for the year. Jansson played his usual excellent game; besides scoring 19 he was leading rebounder for Tech with 10.

The Beavers can certainly be optimistic now as they take their 8-3 record into the Bluenose Classic in Halifax, Nova Scotia. It begins tonight when they meet Acadia University. They'll be back in Rockwell cage Monday to face Tufts.

Harvard	fgm	fta	ftm	pf	rb	pts
Sedlacek	13	3	0	2	3	26
Scott	4	1	0	2	4	8
Williams	3	3	2	4	17	8
Neville	5	0	0	1	2	10
Dressler	9	0	0	2	8	18
McMonagle	1	2	1	2	2	3
Griswold	1	0	0	1	0	2
Grate	3	3	3	1	4	9
	39	12	6	15	40	84

MIT	fga	fgm	fta	ftm	pf	rb	pts
Wilson	19	13	10	8	1	9	34
Jansson	17	8	3	3	2	10	19
Kinsella	14	9	2	2	5	8	20
Flick	9	3	1	1	2	3	7
Ferrera	3	1	2	2	1	5	4
Jerrell	0	0	2	2	2	0	2
	62	34	20	18	13	35	86

MIT	40	46	— 86
Harvard	32	52	— 84

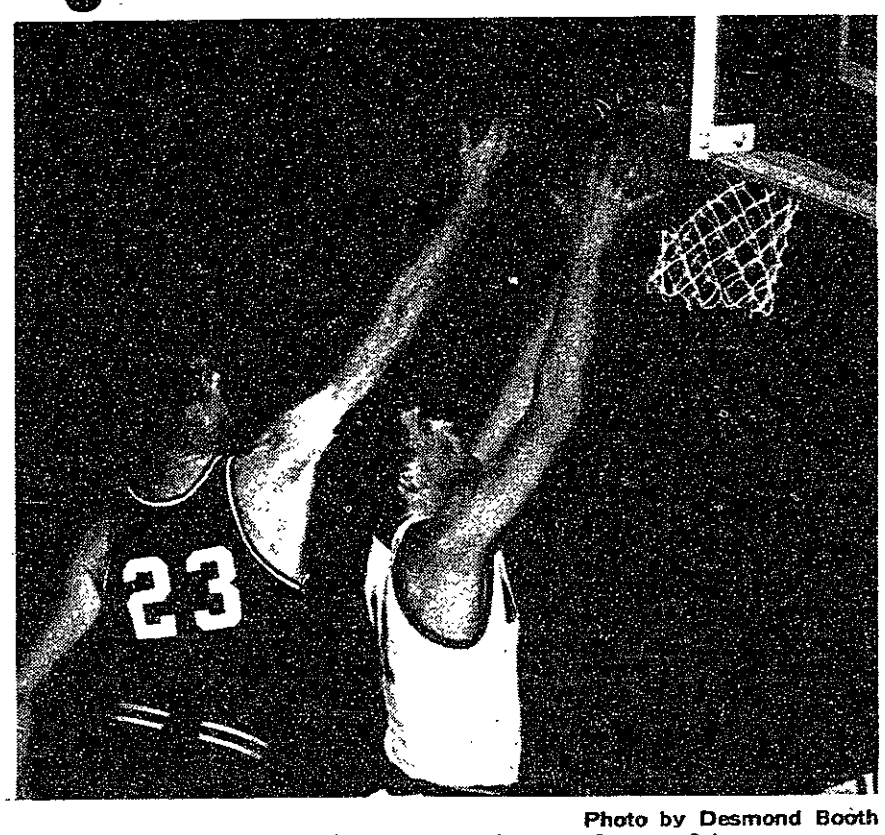

Photo by Desmond Booth

Kevin Kinsella '67 lays up a rebound for 2 of his 20 points as Harvard's Chuck McMonagle (23) tries to block it. Kinsella also grabbed 8 rebounds before fouling out late in the second half, in place of the virus-stricken Bob Hardt '67.

Sailors finish fine season with 2nd in Sugar Bowl

By Dave Lyon

The MIT varsity sailing team took second place in the famous Sugar Bowl races held in New Orleans annually in late December. Competing against such schools as Tulane, Michigan, Citadel, Southern California, and King's Point in races held the 27th and 28th of December, MIT's sailing squad managed to tie Tulane for the second place, finishing behind USC.

Sailing on one boat for MIT were Terry Cronberg '66 and Mike Zuteck '67. The second boat was handled by Joe Smullin '66 and Bob Hendel '68. New England sloop champion Don Schwanz '66 chose not to compete since funds were not provided for this trip. Conditions were not good as light winds and choppy water prevailed both days over the half-mile course.

In the two days of competition nine races were held in both the "A" aand "B" racing divisions. The boat used, the Flying Junior, can best be described as a small two-man sloop.

SAE, LXA unbeaten

Basketball playoffs begin; finals scheduled for 17th

By Herb Finger

The 1965 Intramural Basketball season ended in an exciting fashion last month. In Graduate action Chemistry "A" and The Team closed out their season with identical 5-1 records. In the Majors, league leaders Lambda Chi Alpha and Sigma Alpha Epsilon boast undefeated seasons.

The National League saw ATO defeat SAM to tie for third place and obtain the right to play in the Winner's Bracket Playoffs. Sig Ep topped Fiji in the last of the regular season to tie for second place with Fiji and Burton in the American League.

Four teams tie

In AAA Minor Leagues two leagues ended in ties between Westgate and Sigma Chi in the Pacific Coast League, and between Phi Delta Theta and Delta Upsilon in the International League. Baker "A" was undefeated in the American Association. (Kind of reminds you of the NFL, doesn't it?).

The play-offs opened last night with six games and will be climaxed Jan. 17 with the Undergraduate Championships at 7:15 and the Graduate Finals at 8:30. Minor league and consolation playoffs will be arranged Jan. 19.

52 games in Playoffs

The 52 playoff games will cap a very successful season for Manager Bill Dix. Three first-place ties and numerous last-week upsets are evidence of the well-balanced groupings of the leagues.

Looking ahead to some fine basketball, we find the winner of the Phi Delt-DU game meeting Baker "A" Saturday at 10:00. Sunday will again produce a six-game schedule. At 7:15 top-ranked Lambda Chi Alpha will meet Zeta Beta Tau. At 8:30 third-seeded Alpha Epsilon Pi will take on Phi Gamma Delta in the cage.

Final standings.

GRADUATE LEAGUE		
Chemistry "A"	5	1
The Team	5	1
Graduate Economics	4	2
Graduate Management	4	2
Ashdown House "A"	2	4
Political Science	1	5
Celtics "A"	0	6
MAJOR LEAGUE		
National League		
Sigma Alpha Epsilon	6	0
Alpha Epsilon Pi	5	1
Alpha Tau Omega	3	3
Zeta Beta Tau	3	3
Sigma Alpha Epsilon	2	4
Senior House "A"	2	4
Theta Chi	0	6
American League		
Lambda Chi Alpha	6	0
Sigma Phi Epsilon	4	2
Phi Gamma Delta	4	2
Burton "A"	4	2
Pi Lambda Phi	1	5
Phi Mu Delta	1	5
Delta Tau Delta	1	5
AAA Minor League		
Pacific Coast League		
Westgate Apartments	5	1
Sigma Chi (tie)	5	1
Theta Delta Chi	4	2
Chinese Students	3	3
Student House	3	3
Senior House "B"	1	5
Pi Lambda Phi "B"	0	6
American Association		
Baker "A"	6	0
Delta Kappa Epsilon	4	2
Chemistry "B"	4	2
Kappa Sigma	2	4
Graduate Economics "B"	2	4
Burton "C"	2	4
Phi Kappa Sigma	1	5
International League		
Phi Delta Theta	4	2
Delta Upsilon	4	2
Burton "B"	3	3
Baker "B"	3	3
Sigma Nu	3	3
Phi Kappa Theta	3	3
Student Center	1	5
A Minor League		
Southern League		
Burton "D"	4	1
Baker "C"	3	2
Bexley	3	1
Zeta Beta Tau "B"	2	3
Theta Xi	2	3
Phi Sigma Kappa	1	4
Western League		
Non Resident Stud. Ass.	5	0
Ashdown Dining	4	1
East Campus "A"	3	2
Burton Rebels	2	3
Theta Chi "B"	1	4
Chi Phi	0	5
Northern League		
Ashdown House "B"	5	0
East Campus "C"	4	1
Lambda Chi Alpha	3	2
Alpha Epsilon Pi mesons	2	3
Baker "D"	1	4
Theta Delta Chi	0	5
Eastern League		
Tau Epsilon Pi	4	1
East Campus "B"	3	2
AEPi ala modes	3	2
Burton "E"	3	2
Sigma Phi Epsilon	2	3
Senior House "C"	0	5

On Deck

Friday, January 7

Rifle (V)—Harvard, Home

Basektball (V)—Bluenose Classic, Away, (through Sat.)

Saturday, January 8

Wrestling (V)—UConn, Home 3 pm

Wrestling (F)—UConn, Home 2 pm

Swimming (V)—Williams, Away 2 pm

Around the cage

'Happiest victory of my career'—Coach Barry

By Gerry Banner

Basketball Coach Jack Barry termed the Harvard game the "happiest victory of my career." The last time Tech defeated the Crimson was in January, 1944 by a score of 53-40. Henry McCarthy was MIT's coach at the time.

The day of the game, **The Harvard Crimson** called our team the "best in the school's history," but it also commented: "The Engineers' one critical weakness is at the guard positions. Bob Ferrara (5-10) and John Flick (6-0) aren't good shooters and they can't handle the ball very well either. MIT hasn't had too much experience handling a full-court press, so that could make the difference tonight."

While it's true that Flick and Ferrara did not score too many (11 points together), they both assisted on many of Wilson's and Jansson's buckets. Tech did throw the ball away a few times, but Harvard lost the ball more often, especially in the late crucial stages.

If the Crimson's full court press helped anybody, it was MIT. Long, arching passes from Flick and Ferrara to Jansson or Wilson usually solved the press easily and often set up Kevin Kinsella '67 for easy short jumpers.

Ferrara played a good, hard, aggressive game, and came up with the ball many times in scrambles. Kinsella picked up the slack in the offensive punch caused by Hardt's absence, and needs only a little work on the defensive boards to turn into a top-flight performer.

Wilson's great 34 point performance was achieved in spite of a bad ankle. Big Alex has scored 243 in 11 games for a hefty 22.1 average. Jansson is currently averaging 18.1 points per game, and Hardt in the first ten games averaged 16.6.

Tech's next home opponent, Tufts, also defeated Harvard by 2 points earlier in the season. Last year MIT downed the Jumbos 81-71.

NOTES: Saturday, January 15, has been designated an "All-Sports Day," with both the basketball and hockey teams competing at home. The cagers face Stonehill at 8:15, while the skaters take on WPI at 7 pm. After the hockey game, T-Club is sponsoring a "Hockey Hullabaloo" in the Student Center.

There will be an open bid party at 9:30 with no admission, and punch will be available. The band is not definite at this time.

* * *

Tech's annual Holiday Wrestling Tournament continues to grow in quantity as well as quality. The ten event meet held December 31 at the Dupont Athletic Center drew 132 competitors from universities, colleges, high schools, and clubs throughout the east coast. Wesleyan dominated the tournament, but MIT co-captain Marland Whiteman '66 took second place in the 137 lb. class.

* * *

Soccer and cross country captains have been elected for the 1966 season. Next year's cross country leader is Henry Link '67, of Hartford, Conn. Link, a 5-9, 135 lb. mechanical engineering major, was number three man on MIT's 1965 squad.

Rich Gostyla '67 and George Jones '67 have been elected soccer co-captains. Gostyla was injured for most of the past season, but as a sophomore, he played both halfback and forward, scoring three goals. Jones has lettered two seasons at fullback.

* * *

Wrestling hopes have brightened, now that Brook Landis '66 has returned to line-up in the 160 pound division for the UConn match this Saturday. Landis missed the first four matches of the season because of a knee injury, and he will replace Al Landers '67.

Frosh sports

Hoopmen fall to Harvard

by Tom Thomas

The frosh dropped their basketball record to 0-7 losing to Harvard Tuesday night. The 74 - 58 setback came in the first competition after Christmas vacation.

The Crimson jumped off to an early lead, leaving the floor at the half ahead by 17. Our frosh only managed to cut the lead by 1 point even though reserves played most of the second half for Harvard.

The MIT attack seemed to be more balanced than in the past as 6 players counted 7 or more points. Mike Perry again led the assault with 10; he tops the team in average with a 10.6 mark. Harvard had four players in double figures. The hoopmen will return to action Monday in a game with Tuf's in the Cage.

MIT	G	F	P	HARVARD	G	F	P
Hunter	1	0	2	Roger	5	0	10
Perry	4	2	10	Gallagher	5	1	11
Edwards	3	4	10	Waickow'i	4	1	9
Listfield	1	5	7	Mazer	1	1	3
Suchon	3	1	7	Kanuth	2	2	6
Hekman	0	1	1	McCul'gh	1	0	2
Jernigan	1	0	2	Knuti	5	2	12
Najarian	0	2	2	Mark'ski	5	0	10
Scholz	2	4	8	Martell	1	0	2
Barnes	1	0	2	Lobell	1	0	2
Stewart	1	5	7	Estrin	1	0	2
				Bailey	2	1	5
	17	24	58		33	8	74

MIT	20—58
Harvard	37—74

Three other frosh teams will be active this weekend: wrestling, squash and hockey. All these Saturday matches are away.

How They Did

Basketball

MIT (V) 86, Harvard 84

Harvard 74, MIT (F) 58

MIT (JV) 71, Wentworth 50

Sailing

MIT (V) finished 2nd in Sugar Bowl Regatta

Wrestling

MIT (JV) 45, Lowell State 0

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