King Of Metallurgy
Named Dept. Head

Prof. Thomas B. King was appointed Head of the Department of Metallurgy, Thursday.

A graduate of the University of Glasgow, Scot-
land, he said he was "a little humble, but very
pleased and proud" of the appointment. He in-
dicated that he would build on and continue the
work of Prof. John Chipman, former Department
Head who retired last summer.

King came to MIT in 1963 at the age of 30. He
is internationally known for his work on het-
rogenous kinetics and thermodynamics of high
pressure systems. In 1960 and 1961, he at-
tended conferences in the USSR on his specialty.
His articles have appeared in the Transactions
of the Metallurgical Society of the AIME, and he is
currently authoring a textbook on metallurgical
engineering.

SCEP Head Al Kessler Resigns, Leaves Institute; Seek Chairman Nominees

by Herb Eagle

Incomm is looking for a new head of SCEP to replace Al Kessler resigned two weeks ago saying that he was withdrawing from the school for one year.

The Institute Committee will elect a new chairman of the Student Committee on Educational Policy at its next meeting. SCEP is presently in-
volving a number of important policy initiatives relating to education at MIT, among them evaluation of courses through feedback and consideration of
the examination rating.

All students interested in running for the office of chairman are requested to leave their names with the secretary in Litchfield Lounge.

Wooey Bowman, UAP, said that Incomm's Executive Committee would try to interview all candidates before the chairman is cho-

nominations to the full committee.

Incomm members felt that, whereas previous years' SCEP election had been in selecting the new chairman, it was not neces-
sary to exclude anyone from consideration. UAP Bowman summed it up by saying that the candidates should be creative and have a good understanding of the problems in-

Committee Recommends International University

An international university sponsored by the North Atlantic Treaty Organization has been re-

established for membership in Europe in a re-

presentation last week.

A seven-man working committee under chairman James R. Killian, Jr., says it is "feasible and desirable to establish in Europe an International Institute of Science and Technology." Their report urges the creation of five "interdiscipli-
nary centers" plus a Center for Advanced Study.

The proposed centers would be Applied Mathe-
matics and Theoretical Physics, Technological Pro-

"Such an international institution would have
the opportunity to encompass the advantages of North America, Britain and Continental univer-
sities...." the group concluded that the Institute
"could be a real asset for Western man in a and aCN
dramatic demonstration of the intellectual strength,
lignar, and unity of Western nations working to-
gether."

The report calls for rigorous admission stand-
ards, each NUCS, would be expected to en-
roll, with some percentage being left for the

The Ted

Controversy over the payment of commissions was heightened by the recent refusal to allow students not now members of SCEP to suspend a section of the by-laws of SCEP in order to allow students not now members of SCEP to

Whether commissions should be paid by activities either to mem-

ındaki or other students was discussed at length at the full con-

ference of MIT activities, held Sunday in the Vancouver Beach Room.

The group, composed of activities leaders, also considered help-

fulness of any way possible of improving the morale and condi-

tions to its staff salesmen and advertising staff. Inscomm had asked the MIT to give a new

the Boston Stein Club, the possibility of seminars for uni-

bers or to other students was discussed at length at the fall con-

ets is by a small percentage of tuition payment. Several
delegates assumed that the pres-

tances to be taken and attached. Inscomm Newsletter

et was further noted that the

A Hertz rental truck in front of Baker House after it tried

to get under the Memorial Drive underpass under Massachuseffs

At a meeting of the Working Group last week, the group

King Of Metallurgy

The delegates will then break up into

a conference will end Sunday the 7th with a

The conference, to be sponsored by the

"Such an international institution would have
the opportunity to encompass the advantages of North America, Britain and Continental univer-
sities...." the group concluded that the Institute
"could be a real asset for Western man in a and aCN
dramatic demonstration of the intellectual strength,
lignar, and unity of Western nations working to-
gether."

The report calls for rigorous admission stand-
ards, each NUCS, would be expected to en-
roll, with some percentage being left for the

The Ted

Controversy over the payment of commissions was heightened by the recent refusal to allow students not now members of SCEP to suspend a section of the by-laws of SCEP in order to allow students not now members of SCEP to

Whether commissions should be paid by activities either to mem-

ofday, November 21.

The extension was made, said

"I don't know if they had been interested in obtaining them but
discussed the possibility priv-

with some percentage being left

"Such an international institution would have
the opportunity to encompass the advantages of North America, Britain and Continental univer-
sities...." the group concluded that the Institute
"could be a real asset for Western man in a and aCN
dramatic demonstration of the intellectual strength,
lignar, and unity of Western nations working to-
gether."

The report calls for rigorous admission stand-
ards, each NUCS, would be expected to en-
roll, with some percentage being left for the

The Ted

Controversy over the payment of commissions was heightened by the recent refusal to allow students not now members of SCEP to suspend a section of the by-laws of SCEP in order to allow students not now members of SCEP to

Whether commissions should be paid by activities either to mem-

ofday, November 21.

The extension was made, said

"I don't know if they had been interested in obtaining them but
discussed the possibility priv-

"Such an international institution would have
the opportunity to encompass the advantages of North America, Britain and Continental univer-
sues...." the group concluded that the Institute
"could be a real asset for Western man in a and aCN
dramatic demonstration of the intellectual strength,
lignar, and unity of Western nations working to-
gether."

The report calls for rigorous admission stand-
ards, each NUCS, would be expected to en-
roll, with some percentage being left for the

The Ted

Controversy over the payment of commissions was heightened by the recent refusal to allow students not now members of SCEP to suspend a section of the by-laws of SCEP in order to allow students not now members of SCEP to

Whether commissions should be paid by activities either to mem-

ofday, November 21.

The extension was made, said

"I don't know if they had been interested in obtaining them but
discussed the possibility priv-

"Such an international institution would have
the opportunity to encompass the advantages of North America, Britain and Continental univer-
sues...." the group concluded that the Institute
"could be a real asset for Western man in a and aCN
dramatic demonstration of the intellectual strength,
lignar, and unity of Western nations working to-
gether."

The report calls for rigorous admission stand-
ards, each NUCS, would be expected to en-
roll, with some percentage being left for the
MUTS Lose 7-14 To Simmons
In New Tech Intercollegiate Sport
By Toby Zuko

MIT has gotten into one of the latest growing intercollegiate sports, and it appears that the MUTS (MIT Undergraduate Tiddlywink Society) have already played their first game. Unfortunately, the MUTS they were off to the short end of a 14-7 score in a home match against Simmons.

Captain Mike Platt '63 of the MUTS explained that his team (Tech Mall, W. Ivan Johnson W. Alan Frye, W. and Flutu) lost the match because of a lack of practice. Platt said that the MIT team was "in part to answer President Kennedy's call for physical fitness." Future MUTS tilts include a rematch with Simmons and a match against Wellesley. The team has already accepted a challenge from Harvard's GUTS (Gargantuan Undergraduate Tiddlywink Society).

In an exclusive interview with The Tech, Captain Pal Kanie of Simmons' WITS (Women's Intermediate Tiddlywink Society) said that the victory was expected. We had a little more practice," The WITS had played previous games, losing to the GUTS. Much credit was given by the Simmons' captain to the development of a new strategy—"a memorial candle to Count Karmovsky, the inventor of the sport."

The WITS also explained that the GUTS used "squopping" as a substitute for scoping, which is currently analogous to golf's "hole-in-one." The WITS attempted to "sink winks on a spliggers," which is apparently analogous to golf's "birdie-one."

Plans for the Simmons' team, in addition to a rematch with the MUTS, include matches with Newton College of the Sacred Heart, the Wellesley WARTS and the Smith SLUTS.

Attesting to the popularity of this new intercollegiate sport, MIT now boasts a second team—the Tech Newspaper Tiddlywinkers—formed this week by The Tech. The TNT's are now accepting challenges from teams equally as unorthodox as themselves.

---

MANSFIELD
University Club
Genuine Shell Cordovans

NEW LOWER Premium RATES
on all policies
SAVINGS BANK LIFE INSURANCE
Get your new
Cambridgeport Savings Bank
Right in Central Sq., Cambridge
Telephone UN 4-6271

Hank Perritt '66 Appointed Chairman
Of FroshCon 'Contact' Committee

In the last meeting of the Frosh- Council, Tom Jones, '65, President, appointed Hank Perritt, '66, Chairman of the Frosh- "Contact" Committee.

An outgrowth of the "SCEP" Feedback program last year, (The Tech, October 21), "Contact" hopes this year to establish a more informal relationship between the section representatives and the lecturers in the basic courses. Each section will be represented in a small group which will meet with the respective lecturers. This will enable the lecturers to talk directly with people to participate than participate in answer questions. Humanities subjects have been added to the program this year. Small groups of students will dis

---

Panel Examines Sino-India-Border-War

MacMahon Line Crucial

---

Quarantines at Harvard Experiments in Stereo

Four musicians will present a unique concert at Harvard Monday night.

The members of the First Arts String Quartet will perform on the stage of Paine Hall, near Cam- and Bard College, and in combination with their own specially arranged tape recording system. Separate performances will be given, at 7:30 and 8:30.

The Quartet will play selections from Mandelstarn, Tchaikovsky, Ravel, and Bartok. In the perfor- mances, the musicians will alternate their playing with the sound of their own tapes, reproduced through a stereo playback sys- tem. Switches will be made im- mediately, without losing the musical beat.

In the Mandelstarn selection, the Quartet departs from the normal quartet format in six parts of the Octet, Optina accepted any concert as a dem- onstration of music with the sound of a high fidelity equipment. The extended portions of the concert will be reproduced through Dyna- tics, a stereo reproduction system, and Acoustic Research AR-3 loud- speakers, a system that offers an additional charge of 5 cents.

---

THE SAFE WAY to stay alert without harmful stimulants

NoDoz keeps you mentally alert with the same safe re- freshed found in coffee and tea. NoDoz is strong, but it is easy to handle, more reliable. Abso- lutely not habit-forming.

Next time monotony makes you feel drowsy while driving, working or studying, do as millions do—take NoDoz. There is more value and less risk in effective NoDoz tablets.

Hank Perritt '66 Appointed Chairman
Of FroshCon 'Contact' Committee
Peace Corps Kauffman Seeks Seniors

Dr. Joseph F. Kauffman, Peace Corps Training Director, will discuss the Peace Corps in the Hopkins auditorium Nov. 28. The meeting, will begin at 5 PM.

Dr. Kauffman will particularly be interested in talking with senior students who might qualify for Peace Corps projects to be mancast in January and June.

Applications must be made through the Peace Corps office which is located in the career center in the new building.

The Peace Corps offers opportunities that could not be available anywhere else, according to Dr. Kauffman. He said that volunteers could readily go to work in the customs, history, culture and language of their host country.

Volunteers are assigned to two years in underdeveloped areas, and receive housing, food, and clothing expenses plus a termination payment of $575 per month for service.

Reemployment is also available.

Dr. Kauffman stresses that the facts and science teachers are desperately needed.

Students interested in the Peace Corps should contact their career center.

Conference Discusses Common Market Future

The Conference Committee for the Common Market of Europe will hold a meeting in the Tech auditorium on November 27.

The purpose of the meeting is to explain the aims and purposes of the Common Market and to discuss the future of the United States in the Common Market.

The conference will be held at 7:30 PM in the Tech auditorium.

Kosdon Wins Award For Rocket Fuel

Frank Kosdon 61, after experimenting for three years with rockets, has won his second Undergraduate Award from the American Rocket Society.

Working with Ronald Winston, a Harvard English major with a rocketry background, Kosdon was cited last year and this for "the best undergraduate paper on the art of rocketry."

The papers discuss research performed outside their regular academic programs to develop and perfect a reliable solid rocket propellant. These men are the first undergraduates to win the 1965 award.

Two Boston and Winston were guests of honor at the American Rocket Society's meeting in New York. There they received their first Undergraduate Award for development of the rubberized solid fuel, which consists of a highly impure residue and produces performance with ease and safety of manufacture.

The partnerships worked this year to perfect the most desirable properties of the propellant. They also were able to obtain more accurate data on their products, particularly on how it behaves when combined with different fuels and fuels under various conditions, and to investigate high-energy additives such as aluminum dust and more successful reliability testing.

The result was a reliable solid fuel with a much higher energy output than any other commercial solid fuel.

The partnership worked this year to perfect the most desirable properties of the propellant. They also were able to obtain more accurate data on their products, particularly on how it behaves when combined with different fuels and fuels under various conditions, and to investigate high-energy additives such as aluminum dust and more successful reliability testing.

The result was a reliable solid fuel with a much higher energy output than any other commercial solid fuel.

Three Years’ Research

Kosdon would like to assess the potential of his work and to assess the potential of his work and to assess the potential of his work and to assess the potential of his work.

De Soo Polo Analyzes Voting Patterns

Dr. Joseph F. Kauffman, Peace Corps Training Director, will discuss the Peace Corps in the Hopkins auditorium Nov. 28. The meeting, will begin at 5 PM. Dr. Kauffman will particularly be interested in talking with senior students who might qualify for Peace Corps projects to be mancast in January and June.

Applications must be made through the Peace Corps office which is located in the career center in the new building.

The Peace Corps offers opportunities that could not be available anywhere else, according to Dr. Kauffman. He said that volunteers could readily go to work in the customs, history, culture and language of their host country.

Volunteers are assigned to two years in underdeveloped areas, and receive housing, food, and clothing expenses plus a termination payment of $575 per month for service. Married couples who qualify can also apply.

Dr. Kauffman stresses that the facts and science teachers are desperately needed.

Students interested in the Peace Corps should contact their career center.

Conference Discusses Common Market Future

The Conference Committee for the Common Market of Europe will hold a meeting in the Tech auditorium on November 27. The purpose of the meeting is to explain the aims and purposes of the Common Market and to discuss the future of the United States in the Common Market.

The conference will be held at 7:30 PM in the Tech auditorium.

Kosdon Wins Award For Rocket Fuel

Frank Kosdon 61, after experimenting for three years with rockets, has won his second Undergraduate Award from the American Rocket Society.

Working with Ronald Winston, a Harvard English major with a rocketry background, Kosdon was cited last year and this for "the best undergraduate paper on the art of rocketry."

The papers discuss research performed outside their regular academic programs to develop and perfect a reliable solid rocket propellant. These men are the first undergraduates to win the 1965 award.

Two Boston and Winston were guests of honor at the American Rocket Society's meeting in New York. There they received their first Undergraduate Award for development of the rubberized solid fuel, which consists of a highly impure residue and produces performance with ease and safety of manufacture.

The partnerships worked this year to perfect the most desirable properties of the propellant. They also were able to obtain more accurate data on their products, particularly on how it behaves when combined with different fuels and fuels under various conditions, and to investigate high-energy additives such as aluminum dust and more successful reliability testing.

The result was a reliable solid fuel with a much higher energy output than any other commercial solid fuel.

The partnership worked this year to perfect the most desirable properties of the propellant. They also were able to obtain more accurate data on their products, particularly on how it behaves when combined with different fuels and fuels under various conditions, and to investigate high-energy additives such as aluminum dust and more successful reliability testing.

The result was a reliable solid fuel with a much higher energy output than any other commercial solid fuel.

The result was a reliable solid fuel with a much higher energy output than any other commercial solid fuel.
Letters to The Tech

SCRP Member Sues
Insomnic Action

To the Editor:

It came to my attention that the Institute Committee has given its approval to the proposal of the Student Senate to underwrite very soon so that plans may be made for the party event.

Conference

The Academic Council has given its approval to the proposal of the Student Senate to underwrite very soon so that plans may be made for the party event.

Senior Tutors

The Class of 1965 will get its first taste of the MIT tutoring system when midterm reports are distributed today. The system, which calls for the assignment of a tutor to help freshmen with their courses, has been in place for several years, but this year it will be used on a larger scale.

The benefits which could be derived from the system include:

- A more personalized approach to education
- Improved academic performance among students
- Reduced workload for faculty

Kibitzer

Kibitzer by Michael Liner

The freshmen will have an opportunity to go over the course material carefully with a senior who has taken the course before. This will be especially helpful for those who find that what they would like more help with.

Conference

The Academic Council has given its approval to the proposal of the Student Senate to underwrite very soon so that plans may be made for the party event.

Senior Tutors

The Class of 1965 will get its first taste of the MIT tutoring system when midterm reports are distributed today. The system, which calls for the assignment of a tutor to help freshmen with their courses, has been in place for several years, but this year it will be used on a larger scale.

The benefits which could be derived from the system include:

- A more personalized approach to education
- Improved academic performance among students
- Reduced workload for faculty

Kibitzer

Kibitzer by Michael Liner

The freshmen will have an opportunity to go over the course material carefully with a senior who has taken the course before. This will be especially helpful for those who find that what they would like more help with.
Letters to The Tech

(Continued from Page 4)

"It:"

al who disagrees with this moment and reflect on just what the Cigarette Again —

The Editor: As a parent of a recent graduate, I write you regarding your "Public Librarians"

To Read or Not To Read, Library Services fee from using the library. I know that one of the most serious girls in the library is probably one of the most serious girls in the country. However, she has no desire to go to college because of the "legaistic" mind from the party line. It is the publishers who are concentrating. The Student's Guide to Military Service, a recently published book, explains Reserve Plan, tuition assistance, and early discharge to return to school. To the parties directly involved, the book that makes the scene is the Arrow "Gordon Dover Club" shirt. It is a cotton Oxford cloth dress shirt with the revolving button-down Arrow collar, placket front, plait in back — and back collar button. Master craftsmanship gives it the comfort of the finest wool sweaters.

Ad Inequities To Be Probed

WASHINGTON — The 85th session of the U.S. Congress will hold hearings next year on the insubordination of federal aid to high schools and colleges — one of the hottest controversies on the American campus.

Putting the problem before Congress will be a House Labor and Education subcommittee headed by Rep. Edith Green, D-Ore. After three days of hearing, there will be many of the problems cited by Harold Orleans in a Brookings Institution report, "The effects of federal programs on higher education," published last July. After a detailed study of 26 colleges and universities receiving varying amounts of federal aid, Orleans spelled out the problems this way:

1. Leading universities with top-quality faculty are getting the lion's share of the federal funds for research in their science departments. Some social science departments are receiving aid while the humanities are being transferred. Orleans reports that federal programs are directed at the larger, more prestigious schools, and that many of the problems cited by Perkins during these hearings will be examined in the report of the U.S. Congress will be a House labor and education subcommittee headed by Rep. Edith Green, D-Ore. After three days of hearing, there will be many of the problems cited by Perkins during these hearings will be examined in the report of the

Military Service Guide

Explain's Reserve Plan, Draft System, ROTC

The Student's Guide to Military Service, a recently published book by the National Science Foundation, explains Reserve Plan, tuition assistance, and early discharge to return to school. To the parties directly involved, the book that makes the scene is the Arrow "Gordon Dover Club" shirt. It is a cotton Oxford cloth dress shirt with the revolving button-down Arrow collar, placket front, plait in back — and back collar button. Master craftsmanship gives it the comfort of the finest wool sweaters.

Correctly Casual

The shirt that makes the scene is the Arrow "Gordon Dover Club" shirt. It is a cotton Oxford cloth dress shirt with the revolving button-down Arrow collar, placket front, plait in back — and back collar button. Master craftsmanship gives it the comfort of the finest wool sweaters.

Finest Wool Sweaters styled for the man who makes a habit of quality.

St. "ARROW" FOUNDED 1921

Traditionally the Finest for Discriminating Men
The Black Muslim Negro separatist movement will be the subject of a special report to be broadcast Tuesday, November 29, 30, and December 1, with interviews with the Rev. Malcom X, leader of the movement. The key role of Arkenholz, who should be much better played. (P. Kirkwood has trouble, in set one, in sustaining the force of D. Simon's Human.) During the last act, where a growing confusion and melancholy should be apparent, there is too much falsehood in Arkenholz's playing. Some of the living phantoms might be better played, also. The cook, for instance, is a monstrous figure who says the master's words, but he realizes that the household and refuses to be fired. Yet she is played as a self-conscious, comic figure — which totally ruins the ominous mood established.

Steven Tucker's set is really the outline of a whole scene, presenting interior rooms which were partly visible, in the original exterior view. The pentimento stand without any symbolism, everything as in a dream, a mood quite in keeping with the play.

Open from 11:00 to 12:00 p.m. on the 3rd floor. Phone 583-2805 Air Conditioned Bedroom and Bathrooms. SAI Clrooms, and American Food and Groceries. Orders Put Up To 6:00 p.m. 35 Mass Ave., cor., Beacon St.

STANFORD LINEAR MACHINE DESIGN.

Each phosphor tube is situated on the 9,000 acre Stanford University campus on the Silicon Valley South border, approximately midway between San Francisco and San Jose in the California highlands. It has about 1,500 employees, plus students and visitors, almost all of whom have a university degree and most of whom have degrees in the natural sciences. The buildings are located in a rural setting, with the main laboratory building being the highest building in the area. The main laboratory building is a large, white building with a dome on top and several smaller buildings scattered around it. The laboratory is situated near the town of Stanford, which is located just south of San Francisco Bay. The laboratory is open to the public, and tours are available by appointment. Visitors can see the laboratory at any time during regular business hours. The laboratory is a large, well-equipped facility with state-of-the-art equipment. The laboratory is used for a variety of research projects, including physics, chemistry, and biology. The laboratory is open to the public, and tours are available by appointment. Visitors can see the laboratory at any time during regular business hours.
The New England Conservatory presents
LOTTE LEHMANN
A MAJOR PASS IN OPERA AND REPETTOIRE
Monday, November 26, 8:30, Jordan Hall
DONELLY MEMORIAL DONATION
Tickets at Box Office $3, $2, $1
155 Mass. Ave., Boston 224

The Pastoral, especially in the voice of Lotte Lehmann, was not as pure and sinuous as the work that it inspired. The voice was especially beautiful in the first Allegro, as did the repetition of the voices in the second Allegro. The dynamics were good and well contrasted, and the effect was reduced by the fineness of the orchestra. The Pastoral, in particular, is very fine and large and simple as the shepherd's song was greater. The牧歌, however, is a piece of the highest rank and had all the requirements of a great orchestra. It was well and beautiful, and the effect was reduced by the fineness of the orchestra. The Pastoral, especially in the voice of Lotte Lehmann, was not as pure and sinuous as the work that it inspired. The voice was especially beautiful in the first Allegro, as did the repetition of the voices in the second Allegro. The dynamics were good and well contrasted, and the effect was reduced by the fineness of the orchestra. The Pastoral, in particular, is very fine and large and simple as the shepherd's song was greater. The牧歌, however, is a piece of the highest rank and had all the requirements of a great orchestra. It was well and beautiful, and the effect was reduced by the fineness of the orchestra. The Pastoral, especially in the voice of Lotte Lehmann, was not as pure and sinuous as the work that it inspired. The voice was especially beautiful in the first Allegro, as did the repetition of the voices in the second Allegro. The dynamics were good and well contrasted, and the effect was reduced by the fineness of the orchestra. The Pastoral, in particular, is very fine and large and simple as the shepherd's song was greater. The牧歌, however, is a piece of the highest rank and had all the requirements of a great orchestra. It was well and beautiful, and the effect was reduced by the fineness of the orchestra.
Western Union
To President, U.S.A.:

Congratulations for your firm stand in the Cuban crisis.
Will stand behind you always and back you with all our submarines.

THE COVE

Special to M.I.T. Students
SUBMARINES 45c

THE COVE
27 Columbia St., Cambridge

Schick engineering solves the two biggest problems in shaving!

Tough beard?
Schick designs the first electric shaver that shaves really close

Sensitive skin?
Schick makes a completely different shaver that ends razor burn forever

Only Schick makes two different electric shavers...pick the one to match your face!

Both new Super Speed shavers have Schick's exclusive washable blade, made of surgical stainless steel. Snap it off and wash away dirt, stubble, and perspiration.

For tough & regular beards

For sensitive skin

Get the new Schick Easy Shine Electric Shoe Shiner for a bootblack shine in 60 seconds!
The Image Theatre has begun its new season with Jean Cocteau's "Intimate Relations." They performed one-act plays last season with much success in the Gipsy Hotel and The Place.

The play deals with the problem of a family of four. They range from an incisive relationship between the mother and son to the young man of the family stealing his father's mistress from him. Cocteau manages to give new life to this theme which has interested many a playwright. His best device is to have the characters laugh or weep at the characters they are at their most vulnerable.

Mr. Austin has staged the production beautifully within a small working area. The production has an organic quality, in that every moment has meaning and adds up to the total. The production starts off at a high intensity and the audience is immediately propelled into a whirlpool of high emotional pitch. It builds up from there. After the first act one wonders where it can go, but Mr. Cocteau begins his second act with a light love scene between the young people — Madeleine and Michael — and again builds to where the play — for example — in the meeting of the two but, for good reasons. In this way he can keep the play moving toward its inevitable conclusion.

The difficult role of the mother, Yvonne, is played by Nina Jette. It is amusing that she must do everything by Burgess. She is glib with a deep, rich voice, and is able to add dimension to the role in certain places. This tends to draw focus to herself rather than to the whole production. She is the perfect piece of acting as given by Ann Sampolo as the constant and repressed Jean, and Miss Sampolo is a woman of great depth and great beauty. The performance is perfectly controlled and restrained, and the final impression of a muted ooze. Her performance had a completeness and fullness one rarely sees.

As the father, Peter D. MacLean does very truthful characterization, but his movements were quite stiff. He didn't seem quite relaxed in the role. The most perfect piece of acting is given by Mrs. Jette as Madeleine, in lovely and gave a beautifully restrained performance. She can shift from mood to mood with ease and clarity. The production will play two more weeks. Very few Broadway bound shows have achieved this degree of polish.

Space Developments

Displayed At Kresge

By Joseph Sullivan

Samples and interpretive displays of new developments in space technology were displayed last week in Kresge Auditorium as part of the New England Conference on Science, Technology, and Space. Included in the displays were several laboratory models of equipment which will be used to radar map the close-neighbor surface of Venus, where in the galaxy high energy cosmic rays and neutrons are evident. The equipment which will be used to detect the equipment used to make-up of alien atmospheres.

Highlights of the week which were displayed included a model of Explorer XI, which will be directed at the planet from an unmanned spacecraft and the reflected signals will be timed and their strength measured. Ionized gas, or plasma emitted by the sun, is the theme of another display. One of the most recent artificial satellites, Explorer XI, is measuring the flux of plasma photons around the earth. The charged particles are believed to be the cause of the aurorae, radio interference, and the Van Allen radiation belts. A model of Explorer XI showed the equipment used to measure the density of gamma rays and devices for determining where in the galaxy high energy gamma rays are located. MIT's Research Laboratory for Electronics displayed models of microwave radiometers used in radio astronomy. The radiometer is a device to measure the flux of photons emitted by distant objects. The model showed the equipment used to measure the temperature of stars, galaxies, and other celestial objects. The equipment is used to study the universe and to determine the age and composition of the universe.

ZBT Brothers Help

Young Korean Boy

Zeta Beta Tau has financially "adopted" Jo Su Whan, a 7-year-old boy, through Foster Parents' Plan, Inc. of New York City. The boys have promised to contribute $15 a month toward the child's support for at least one year. Foster Parents' Plan, Inc. is an independent relief organization which provides Guidance for parents in need of care and education has rehabilitated more than 7,000 children since 1937. It is now helping more than 22,000 youngsters in Greece, Italy, Korea, Vietnam, Hong Kong, and the Philippines.
Frosh Advisors Aid Adjusting Freshmen

The Frosh Advisory Council has been in operation since 1952, and is currently chartered with the registration and counseling of all entering freshmen. They have chosen a departmental committee. The council is under the chairmanship of Professor Nathan B. Holden, Assistant Secretary of the Committee. Committee of the members working with Robert J. Holden, Associate Dean of Students, is Executive Secretary of the council.

The formal activities of the council begin with participation in Freshmen Week, approval of registration material, and counseling the student on matters of curricula, and course orientation, until he has joined a department.

The council is responsible for giving advice and guidance to students .and guidances are necessary for the student to keep the maximum benefits from SIT. Toward this end, most students are assigned an advisor which is the individual's best friend. The advisor strongly recommends the renewal of the student-advisor relationship which is the individual's link to his Institute.

To help meet the specific needs of the student, Frosh Advisors aid adjusting freshmen. The advisor's responsibilities are to give whenever assistance and guidance are necessary for the student to keep the maximum benefits from SIT. Toward this end, most students are assigned to advisors on the basis of common interests. However, the most anyone advisors can answer any question on academic matters, sports, activities, religious organizations, or any other phase of life at the Institute.

A special personal relationship between advisor and student can help materially in adjusting the student to the way of thinking at SIT—a technologically advanced school. Each student owes it to himself to keep in touch with his advisor and to report any problems to him. The Frosh Advisory Council represents the student as the individual; as the council experiments, the Council strongly recommends the renewal of the student-advisor relationship which is the individual's link to the Institute.

GLOOM AT THE TOP

Oh, sure, you've been busy, what with going to classes, doing your homework, catching night crawlers, getting married—but can't you pause for just a moment and give thought to that dear, dedicated, lonely man in the big white house on the hill? I refer, of course, to the Prexy. (It is interesting to note here that college presidents are always called "Prexy." Similarly, trustees are called "Trice." Associate professors are called "Asso-Pex." Runners are called "Prexy-Weary." Students are called "Algae.")

But I digress. We were speaking of the Prexy, a personage at once august and pathetic. Why pathetic? Well sir, consider how Prexy spends his days. He is busy, busy, busy. He talks to dean after dean at his office, he talks to trustees, he talks to alumni. In fact, he talks to everybody except the one group who could lift his heart and call his spirits. I mean, of course, the students, and the students, as the exasperated man in the college—you, the students.

It is Prexy's sad fate to be forever a stranger to your thoughts, your loves, your losses, your gains, your laughter, your tears. He can only gaze wistfully out the window of his big white house on the hill and watch you at your games and sports and with all his tormented heart to bask in your warmth. But how? It would hardly be fitting for Prexy to have a window box of Golden Selves. He can only gaze wistfully out the window of his big white house on the hill and watch you at your games and sports and—well, you understand.

"Foxy-Woxy." "Yes," you will say. "Moreover, Marlboro has a soft pack, and so do you." "My limp leather briefcase, you mean," he will say.

"Yes," you will say. "Moreover, the Marlboro box has a flip-top," he will say. "But I don't have a flip-top," he will say.

"Aw, go on," he will say, blushing furiously.

"Foxy-Woxy." "Yes," you will say. "Moreover, Marlboro has a soft pack, and so do you." "My limp leather briefcase, you mean," he will say.

"Yes," you will say. "Moreover, Marlboro has a soft pack, and so do you.

"My limp leather briefcase, you mean," he will say.

"Yes," you will say. "Moreover, Marlboro has a soft pack, and so do you.

"My limp leather briefcase, you mean," he will say.

"Yes," you will say. "Moreover, Marlboro has a soft pack, and so do you.

"My limp leather briefcase, you mean," he will say.

"Yes," you will say. "Moreover, Marlboro has a soft pack, and so do you.

"My limp leather briefcase, you mean," he will say.

"Yes," you will say. "Moreover, Marlboro has a soft pack, and so do you.

"My limp leather briefcase, you mean," he will say.

"Yes," you will say. "Moreover, Marlboro has a soft pack, and so do you.

"My limp leather briefcase, you mean," he will say.

"Yes," you will say. "Moreover, Marlboro has a soft pack, and so do you.

"My limp leather briefcase, you mean," he will say.

"Yes," you will say. "Moreover, Marlboro has a soft pack, and so do you.

"My limp leather briefcase, you mean," he will say.

"Yes," you will say. "Moreover, Marlboro has a soft pack, and so do you.

"My limp leather briefcase, you mean," he will say.

"Yes," you will say. "Moreover, Marlboro has a soft pack, and so do you.

"My limp leather briefcase, you mean," he will say.

"Yes," you will say. "Moreover, Marlboro has a soft pack, and so do you.

"My limp leather briefcase, you mean," he will say.

"Yes," you will say. "Moreover, Marlboro has a soft pack, and so do you.

"My limp leather briefcase, you mean," he will say.

"Yes," you will say. "Moreover, Marlboro has a soft pack, and so do you.

"My limp leather briefcase, you mean," he will say.

"Yes," you will say. "Moreover, Marlboro has a soft pack, and so do you.

"My limp leather briefcase, you mean," he will say.

"Yes," you will say. "Moreover, Marlboro has a soft pack, and so do you.

"My limp leather briefcase, you mean," he will say.

"Yes," you will say. "Moreover, Marlboro has a soft pack, and so do you.

"My limp leather briefcase, you mean," he will say.

"Yes," you will say. "Moreover, Marlboro has a soft pack, and so do you.

"My limp leather briefcase, you mean," he will say.

"Yes," you will say. "Moreover, Marlboro has a soft pack, and so do you.

"My limp leather briefcase, you mean," he will say.

"Yes," you will say. "Moreover, Marlboro has a soft pack, and so do you.

"My limp leather briefcase, you mean," he will say.

"Yes," you will say. "Moreover, Marlboro has a soft pack, and so do you.

"My limp leather briefcase, you mean," he will say.

"Yes," you will say. "Moreover, Marlboro has a soft pack, and so do you.

"My limp leather briefcase, you mean," he will say.

"Yes," you will say. "Moreover, Marlboro has a soft pack, and so do you.

"My limp leather briefcase, you mean," he will say.

"Yes," you will say. "Moreover, Marlboro has a soft pack, and so do you.

"My limp leather briefcase, you mean," he will say.

"Yes," you will say. "Moreover, Marlboro has a soft pack, and so do you.

"My limp leather briefcase, you mean," he will say.

"Yes," you will say. "Moreover, Marlboro has a soft pack, and so do you.

"My limp leather briefcase, you mean," he will say.

"Yes," you will say. "Moreover, Marlboro has a soft pack, and so do you.

"My limp leather briefcase, you mean," he will say.

"Yes," you will say. "Moreover, Marlboro has a soft pack, and so do you.

"My limp leather briefcase, you mean," he will say.
The one lotion that's cool, exciting—brisk as an ocean breeze!
The one-and-only Old Spice exhilarates...gives you that great-to-be-alive feeling...refreshes after every shave...adds to your assurance...and wins feminine approval every time. Old Spice After Shave Lotion, 1.25 and 2.00 plus tax.

Old Spice — the shave lotion men recommend to other men!

**MIT Science Reporter:**

'Tempest In A Tank' Study Of Mud Oceanography

Channel 2's "MIT Science Reporter" explored the Hydrodynamics Laboratory last week in the program "Tempest in a Tank." Prof. Arthur T. Ippen and Prof. Peter R. Eagleson, civil engineering, illustrated many of the department's projects in the field of coastal engineering, or what is often called "mud oceanography."

In this study one considers the characteristic wave motions of ocean water in harbors or near the shore. It has been found that a particle suspended in deep water which has wave motion will experience a circular orbit. Waves in shallow water, however, produce elliptical orbits, as the proximity of the ocean floor retards the bottom portion of the wave, distorting its form. Thus the wave motion of water has no effect below a certain depth, which is one-half the wave length.

Another property of coastal waves is in its capacity for transmitting sedimentation from one part of a beach to another. When waves approach the shore diagonally, they drag sand and debris in a direction parallel to the beach.

When breakwaters, or jetties, are used to protect harbors and other inlets, ocean waves pile up debris on one side of them. This sedimentation has to be dredged frequently to maintain navigation. Moreover, the initial cost of installing breakwaters is tremendous.

To solve this problem, the coastal engineers are developing a device which dampens ocean waves, yet does not require the cumbersome foundations of a conventional breakwater and eliminates the need for periodical dredging.

It consists of several parallel pipes suspended on the surface of the water and pointed perpendicular to the incoming wave fronts. As a wave strikes the front portion of the pipe, as a sound wave is transmitted to the other end at a speed considerably greater than that of the water wave. This creates a jet of water to flow through the tube, and the energy of the incoming wave is reduced to 15%-20% of its original value.

Strongly enough, a problem of many harbors today is that of resonance. If a harbor is "tuned" to the frequency of incoming ocean waves by natural and/or geometrical properties, it will contain large standing waves of resonance. This leads to many difficulties when ships are being loaded and unloaded while in dock.

Various harbor shapes are tested in the laboratory tanks by propagating water waves toward an opening in a cylindrical can. Since it is nearly impossible to theoretically predict the resonance of a harbor, the scale-model method is the only practical means of solving this problem. If the resonance is determined, an adequate breakwater system can be installed to reduce its effect.

**Tau Beta Phi Picks**

Sixty-Five Seniors

Mass Beta Chapter of Tau Beta Phi selected sixty-five seniors at its election meeting November 3. The seniors were selected from the upper fifth of their class in the School of Engineering, Architecture, and Industrial Management.

Two Honorary Juniors and a Graduate Student were also selected.

**Ski Instructors**

Week-end positions available for skilled, enthusiastic high school boys and girls. Prior instruction experience not required. Good compensation. Excellent ski facilities. Winch or sail!

Shaker Village Ski Group
P.O. Box 1149
Pittsfield, Massachusetts
Lebanon Springs (N.Y.)

7-255

**RACQUETS RESTRUNG**

Tennis & Squash Shop
67A Mt. Auburn St., Cambridge
(Opp. Lowell House)
TR 1-5417

**The Prospectors Ski Club**

WARRREN MILLER and his latest 2-hour color film "AROUND THE WORLD ON SKIS"

Wednesday, Nov. 28—8:15 p.m.
CAMBRIDGE HIGH & LATIN AUDITORIUM
Trowbridge St., Cambridge
$1.50 tax incl.
The recent Cuban crisis has brought about a rash of activity on the nation's campuses. MIT had its "Cuba No!" pact and other schools have had various demonstrations either for or against the United States' position on the issue. Egg-throwing because the rule of the day at a University of Minnesota demonstration.

At other schools, reaction took a different turn. The Polytechnic Institute of Brooklyn's Polytechnic Repoter devoted a full page to Civilian Defense preparations, more specifically, a New York area survey on fallout shelters. "Women Are Ridiculous."

After spending the summer working on this federally-sponsored survey, Sheldon Gordon, in his article, concludes "Fallout shelters are ridiculous."

This conclusion was drawn from several sources: the assumptions made by experts, the approximations used to calculate the effectiveness of protective shiel-~

delar and actual surveying experience. Gordon's job involved structural inspection of po-~
tential shelters and proposing modifications which would lower the percentage of penetrating rad-
omination to one percent. Gordon relates parenthetically that the Army engineers who gave instructions to the men who oversaw the project claimed they would only have their families in a shelter with a shielding rating of less than 0.1 per cent.

As one of the reasons for his conclusions, Gor-
den cites the fact that fallout is able to snow when it falls. It will land on any moderately smooth surface and, if it remains long enough, it will either be washed away or lose its radioactivity. Apparently, some conventionally happened only in ancient or the fact that snow has a tendency to drift and will usually end up in some place against walls. Inversely, fallout shelters will be located behind these self-same walls. The result: a far greater concentration of radioactivity than was considered in the project computations.

Fallout Fallacy

His point is another fallacy concerning fallout. Much of the fallout will be of dust-particle size and consequently will pass through the filters of even the best ventilation systems. The only way to eliminate this problem, Gordon says, is to hermetically seal the shelter, but this will lead to the immense danger of asphyxiation.

Other considerations include minimum space allotments for individuals and also per capita costs. Gordon contends the space allotted per person is too restrictive and that the actual costs of fallout shelters are much greater than Congress is allowing. He points out also that shelters to be well stocked with food and water to be of any practical value, but if shelters in New York (and other metropolitan areas) are not to be immediately located at their present sites they must be locked and kept locked. But what good is the "perfect shelter" if it is locked at the time of attack?

Undoubtedly also, are methods of testing "survival" in the shelters. The Army uses volunteers who are especially well physical-ly and psychologically-fit for these tests. Many of the test persons have to be carried out of the shelters before the end of the fall-out test. How long, asks Gordon, will random people who are not physically ready for this have to be the test persons? Gordon says, "I have read fully these shelters?"

In the same issue of the Polytechnic Repoter appeared the fol-

lowing account of an episode which happened last April, ent-~

tled: "ToZy's fallout shelter."

He greeted them heartily — it was rare for him to have visitors. He was a large and solitary man who was obviously in charge. A plaque proclaimed this to be the Control Center. He greeted them heartily — it was rare for him to have visitors. He was a large and solitary man who was obviously in charge. A plaque proclaimed this to be the Control Center. He greeted them heartily — it was rare for him to have visitors. He was a large and solitary man who was obviously in charge. A plaque proclaimed this to be the Control Center.

"Eyes can be on the stars but your feet must be on the ground."

The glamour and excitement of space age programs often obscure a fundamental fact. It is simply that farsightedness must be coupled with sound, practical, down-to-earth engineering if goals are to be attained. This is the philosophy upon which Pratt & Whitney Aircraft's position as a world leader in flight propulsion systems has been built.

Almost four decades of solid engineering achievement at Pratt & Whitney Aircraft can be credited to management's conviction that basic and applied research is essential to healthy progress. In addition to concentrated research and development efforts on advanced gas turbine and rocket engines, new and exciting efforts are being explored in every field of aerospace, marine and industrial power application.

The challenge of the future is indicated by current programs. Presently Pratt & Whitney Aircraft is exploring the areas of technical knowledge in magnetohydrodynamics...termonuclear and thermoelectric conversion...hypersonic propulsion...fuel cells and nuclear power.

If you have interests in common with us, if you lock to the future but desire to take a down-to-earth approach to get there, investigate career opportunities at Pratt & Whitney Aircraft.

To help move tomorrow closer to today, we continually seek ambitious young engineers and scientists. Your degree — it can be a B.S., M.S., or Ph.D. in: MECHANICAL: AERONAUTICAL: ELECTRICAL: CHEMICAL and NUCLEAR ENGINEERING: PHYSICS: CHEMISTRY: METALLURGY: CERAMICS: MATHEMATICS: ENGINEERING SCIENCE or APPLIED MECHANICS. The field still broadens. The challenge grows greater. A future of recognition and advancement may be here for you.

For further information regarding an engineering career at Pratt & Whitney Aircraft, consult your college placement officer or write to Mr. William L. Stoner, Engineering Department, Pratt & Whitney Aircraft, East Hartford, Conn.
SQUASH TIME
AGAIN
10 Rackets
3 Manufacturers
Prices — $5.95 to $17.95

Tech Coop

COMPASS Organized To Offer Grad
Students Further Space Science Study
By James Veillick
A new interdepartmental group
called COMPASS (Committee on
Planetary and Space Science) haseen formed at MIT. Evolving
from several recent inter-department
meetings concerning the outstanding
developments in planetary and space
science during the past twenty
years, the Committee is designed
to coordinate the widely distrib-
uted facilities of MIT for the use
of students interested in this field.
The COMPASS curriculum, chief-
ly for graduate students, offers a
broad selection from the de-
partments of Geology and Geo-
physics, Mathematics, Meteorology,
Physics, Aeronautics and Au-
nautics, and Electrical Engineer-
ing. These courses include the
study of cosmology, formation and
evolution of the stars, solar activi-
ty, planetary spectra, dynamics of
planetary atmospheres, internal
constitution, magnetic and graviti-
tational fields of planets, dynami-
cosmic rays, and solar prominences.

The student graduate interested
in this field may follow inter-
ests course which suits his qualifi-
cations. A Thesis committee is ap-
pointed for each student, which
may consist of members from one
department, or from several, if
necessary. Research facilities of
both MIT and Lincoln Laboratory
are available to post-graduate and
post-doctoral work in planetary
and space science. Students whose
theses program is not con-
cerned with this curriculum may
still use some subjects to
their
advantage.

This year COMPASS offers a
course on various topics in inter-
Planetary physics, cosmic rays,
and solar prominences. These subjects
are discussed by outside speakers,
many of whom are leaders in
their field. Last Friday, for ex-
ample, Prof. James Van Allen
presented a lecture on radiation
yeis in 26-100.

In his annual report, President
Stratton directs considerable at-
tention to the newly-formed Com-
mittee. In his opinion, the efforts of
COMPASS "demonstrates pre-
cisely how the evolving interests of
the outstanding developments in the
the teaching program, the raw-
ness to experiment and innovate,
and a freedom from departmental
restraints.

The answer is:

CHINESE CHECKERS

THE ANSWER:

THE QUESTION: What is the most common
word on a pool table?

THE ANSWER:

38-22-32

THE QUESTION: What is the last great
American novel?

THE ANSWER:

THE QUESTION: What is the largest
boots?

THE ANSWER:

THE QUESTION: What is the best place
to start with Lucky Strike?

THE ANSWER:

THE QUESTION: What is the most popular
regular-size cigarette among college
students? Right! You get Lucky, you get the
fine-tobacco taste of Lucky Strike. This great
taste is the best reason why Lucky smokers
stay Lucky smokers. So get with it. Get Lucky today!

Product of The American Tobacco Company — Please be our middle man.

The answer is:

1000 A.M.

THE ANSWER:

THE QUESTION: What is the purpose of
the polyenema? The Polymen in-
clude "stay Lucky, stay Lucky
smokers. So get with it. Get Lucky today!"

THE QUESTION: What is the purpose of
the polyenema? The Polymen in-
clude "stay Lucky, stay Lucky
smokers. So get with it. Get Lucky today!"

THE QUESTION: What is the purpose of
the polyenema? The Polymen in-
clude "stay Lucky, stay Lucky
smokers. So get with it. Get Lucky today!"

THE QUESTION: What is the purpose of
the polyenema? The Polymen in-
clude "stay Lucky, stay Lucky
smokers. So get with it. Get Lucky today!"

THE QUESTION: What is the purpose of
the polyenema? The Polymen in-
include "stay Lucky, stay Lucky
smokers. So get with it. Get Lucky today!"

THE QUESTION: What is the purpose of
the polyenema? The Polymen in-
clude "stay Lucky, stay Lucky
smokers. So get with it. Get Lucky today!"

THE QUESTION: What is the purpose of
the polyenema? The Polymen in-
clude "stay Lucky, stay Lucky
smokers. So get with it. Get Lucky today!"

THE QUESTION: What is the purpose of
the polyenema? The Polymen in-
clude "stay Lucky, stay Lucky
smokers. So get with it. Get Lucky today!"

THE QUESTION: What is the purpose of
the polyenema? The Polymen in-
clude "stay Lucky, stay Lucky
smokers. So get with it. Get Lucky today!"

THE QUESTION: What is the purpose of
the polyenema? The Polymen in-
clude "stay Lucky, stay Lucky
smokers. So get with it. Get Lucky today!"

THE QUESTION: What is the purpose of
the polyenema? The Polymen in-
clude "stay Lucky, stay Lucky
smokers. So get with it. Get Lucky today!"

THE QUESTION: What is the purpose of
the polyenema? The Polymen in-
clude "stay Lucky, stay Lucky
smokers. So get with it. Get Lucky today!"

THE QUESTION: What is the purpose of
the polyenema? The Polymen in-
clude "stay Lucky, stay Lucky
smokers. So get with it. Get Lucky today!"

THE QUESTION: What is the purpose of
the polyenema? The Polymen in-
clude "stay Lucky, stay Lucky
smokers. So get with it. Get Lucky today!"

THE QUESTION: What is the purpose of
the polyenema? The Polymen in-
clude "stay Lucky, stay Lucky
smokers. So get with it. Get Lucky today!"

THE QUESTION: What is the purpose of
the polyenema? The Polymen in-
clude "stay Lucky, stay Lucky
smokers. So get with it. Get Lucky today!"

THE QUESTION: What is the purpose of
the polyenema? The Polymen in-
clude "stay Lucky, stay Lucky
smokers. So get with it. Get Lucky today!"

THE QUESTION: What is the purpose of
the polyenema? The Polymen in-
clude "stay Lucky, stay Lucky
smokers. So get with it. Get Lucky today!"

THE QUESTION: What is the purpose of
the polyenema? The Polymen in-
clude "stay Lucky, stay Lucky
smokers. So get with it. Get Lucky today!"

THE QUESTION: What is the purpose of
the polyenema? The Polymen in-
include "stay Lucky, stay Lucky
smokers. So get with it. Get Lucky today!"

THE QUESTION: What is the purpose of
the polyenema? The Polymen in-
clude "stay Lucky, stay Lucky
smokers. So get with it. Get Lucky today!"

THE QUESTION: What is the purpose of
the polyenema? The Polymen in-
clude "stay Lucky, stay Lucky
smokers. So get with it. Get Lucky today!"

THE QUESTION: What is the purpose of
the polyenema? The Polymen in-
clude "stay Lucky, stay Lucky
smokers. So get with it. Get Lucky today!"

THE QUESTION: What is the purpose of
the polyenema? The Polymen in-
clude "stay Lucky, stay Lucky
smokers. So get with it. Get Lucky today!"

THE QUESTION: What is the purpose of
the polyenema? The Polymen in-
clude "stay Lucky, stay Lucky
smokers. So get with it. Get Lucky today!"

THE QUESTION: What is the purpose of
the polyenema? The Polymen in-
clude "stay Lucky, stay Lucky
smokers. So get with it. Get Lucky today!"

THE QUESTION: What is the purpose of
the polyenema? The Polymen in-
clude "stay Lucky, stay Lucky
smokers. So get with it. Get Lucky today!"

THE QUESTION: What is the purpose of
the polyenema? The Polymen in-
clude "stay Lucky, stay Lucky
smokers. So get with it. Get Lucky today!"

THE QUESTION: What is the purpose of
the polyenema? The Polymen in-
clude "stay Lucky, stay Lucky
smokers. So get with it. Get Lucky today!"

THE QUESTION: What is the purpose of
the polyenema? The Polymen in-
include "stay Lucky, stay Lucky
smokers. So get with it. Get Lucky today!"
Sir Ernest Vasey Describes African Problems

by Anthony Pappas

Uganda and Tanganyika have both recently become independent. They face many similar problems in making the transition from colonialism. In addition, various circumstances in each nation pose special problems.

Last Thursday Sir Ernest Vasey discussed these countries and the possibility of their forming with Kenya an East African federation. For many years the three lands have formed a loose, regional system whereby they had benefited by common services, such as a common customs union, postal, currency, and railway systems.

Zanzibar, an island near the East African coast, was not a full member of this grouping. Together with Aden, it had only a currency in common with the mainland territories.

Sir Ernest emphasized what he called the "accidents of origin." Thus, Kenya is beset by a racial problem since white immigration to the country was encouraged. On the other hand, Uganda and Tanganyika do not possess this problem to any great degree since their European minorities are comparatively insignificant. This has been due to the policy of not allowing the European to own any land.

Uganda and Tanganyika are British protectorates. Uganda has expressed "positive neutrality" and "non-alignment." It has indicated that if Britain joins the European Common Market, it will refuse any association with it, for fear of compromising its independence. At present there is no indication that Uganda will not remain a British protectorate.

Kingdom East of Uganda. A striking feature in Uganda is the existence of a monarchical form of government. This system prevailed when, in 1890, an Anglo-German agreement placed Uganda under British control. Rather than disrupt the local kingdoms, Britain ruled through them. Today, Uganda is a monarchical semi-federation, divided into four kingdoms, each with a ruling head and a parliament. Together with its national parliament, there are three legislative bodies. The situation will hinder progress and cause great difficulties in future. Already, there are disagreements over the boundaries of the various kingdoms.

In formulating its policy toward an East African federation, Uganda is guided by the paramount factor that it is land-locked. It is dependent on the railroad through Kenya to the port of Mombassa. As a result, it is anxious to see the formation of a federation which will guarantee its access to the sea.

Like many other African states, Uganda has espoused "positive neutrality" and "non-alignment." It has indicated that if Britain joins the European Common Market, it will refuse any association with it, for fear of compromising its independence. At present there is no indication that Uganda will not remain a British protectorate. Its premier, Milton Obote, seems vigilant of Commonwealth designs and recently criticized red China for invading India.

Sir Ernest Vasey talking on Tanganyika and Uganda last Thursday evening in Kresge Little Theatre. Photo by Conrad Grindelhoefer.

Nyerere Guides Tanganyika

Five years ago Tanganyika was regarded as the most backward of the three East African territories, in terms of economic development. That it was the first of the three to gain independence is due to the man, Julius Nyerere.

For many years Tanganyika's future was unclear. Prior to World War I it was part of German East Africa. In 1890 Britain received a mandate for it, while Belgium received a mandate for the rest of German East Africa, Ruanda-Huturi. In the 30's the German Foreign Minister, von Ribbentrop, hinted that Germany would like Tanganyika included in any agreement among the European powers. Such a deal was ruled out. In 1946 a declaration stated Tanganyika would develop as an African state. This was an economic disadvantage, but a political advantage. Agricultural development lagged, but no economic strata were formed. A former teacher, Julius Nyerere recognized that unity was a prerequisite for independence. He organized the Tanganyika African National Union, which has the support of over 90% of the African population.

When Tanganyika received its independence, it became a member of the Commonwealth and declared its allegiance to the Crown. To many Africans this seemed strange and the link to the Queen was misunderstood and criticized. Tanganyika will soon write a new constitution and become a republic, breaking its allegiance to the Crown. Sir Ernest thinks this is the wisest course.

The new Tanganyika constitution will be based on four premises: the national institutions must be understood by the people; the Executive must have the necessary power to perform its duties; Parliament will remain supreme; the rule of law must be preserved. The Executive will be chosen at the same time as Parliament, and he must be a member of the majority party. Nyerere will be the first president of the new republic.

Future Course Outlined

Sir Ernest praised the new constitution of African leaders. He stressed that the problems they face are enormous. Continuing impressions which Americans may have gained from certain countries, most of the leaders are honest, sincere, and responsible men. Their mistakes will be mistakes of judgment, not of intent.

When Kenya becomes independent, an East African federation will be possible. In time other nations like Mozambique, the Rhodesia, Nyasaland, and Rwanda-Huturi may join in establishing a regional grouping. Sir Ernest speculated that a United States of East and Central Africa, with great economic and political power, may emerge in the decades ahead.
Burton, Baker SPE Lead Intramural Bowling League

After one week of IM bowling, Burton A, Baker A and Sigma Phi Epsilon occupy the top three positions in a field of 44 teams. Gary Paine, '62, of Phi Sigma Kappa, and Jim Redfern, '65 (SPE), lead all individual scorers.

Team standings in this league are compiled on the basis of cumulative Petterson points. One point is awarded for each game won, and one for each 50 pins knocked down. There are three men on a team, and each match consists of three games. At the end of eight weeks total Petterson points will determine the final standings.

**TEAM STANDINGS**

<table>
<thead>
<tr>
<th>Team Name</th>
<th>Pettersen Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Burton A</td>
<td>70</td>
</tr>
<tr>
<td>Baker A</td>
<td>52</td>
</tr>
<tr>
<td>Sigma Phi Epsilon</td>
<td>51</td>
</tr>
<tr>
<td>Schatz, Sr.</td>
<td>44</td>
</tr>
<tr>
<td>Pi Lambda</td>
<td>38</td>
</tr>
<tr>
<td>Phi Sigma Kappa</td>
<td>34</td>
</tr>
<tr>
<td>Sigma Phi Alpha A</td>
<td>33</td>
</tr>
<tr>
<td>Senior House A</td>
<td>30</td>
</tr>
<tr>
<td>Senior House B</td>
<td>24</td>
</tr>
<tr>
<td>Grad House B</td>
<td>22</td>
</tr>
<tr>
<td>Grad House C</td>
<td>21</td>
</tr>
</tbody>
</table>

**BASKETBALL STANDINGS**

<table>
<thead>
<tr>
<th>Team Name</th>
<th>Wins</th>
<th>Losses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Burton B</td>
<td>6</td>
<td>1</td>
</tr>
<tr>
<td>Baker B</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>Sigma Phi Alpha A</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>Schatz, Sr.</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>Pi Lambda</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Phi Sigma Kappa</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Sigma Phi Alpha A</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Senior House A</td>
<td>2</td>
<td>5</td>
</tr>
<tr>
<td>Senior House B</td>
<td>2</td>
<td>5</td>
</tr>
<tr>
<td>Grad House A</td>
<td>2</td>
<td>5</td>
</tr>
<tr>
<td>Grad House B</td>
<td>2</td>
<td>5</td>
</tr>
<tr>
<td>Grad House C</td>
<td>2</td>
<td>5</td>
</tr>
</tbody>
</table>

IM Basketball Leaders Emerge As Season Reaches 1/2-Way Mark

As the IM basketball season approaches its halfway mark, a few strong contenders have emerged in each league to battle for their respective championships.

In the American League, Gradution House A and Delta Phi Epsilon claim the lead with identical 3-0 records. Delta Phi Epsilon won a tight 21-20 victory over Sigma Alpha Epsilon to move into this position. Senior House A downed Sigma Chi, 96-31, to tie SAF for second place.

The most important action in the National League was the meeting of Burton A by Baker A, 74-45. Grad House B edged Delta Phi Epsilon, 36-33, tying Baker for the league leadership. In another close contest, Theta Chi defeated Phi Gamma Delta, 41-37, to lose the slight edge of contention for the lead.

In the American Association, Delta Phi Epsilon overruns Burton B, 77-50, to move into a first place tie with Delta Tau Delta. These teams meet Dec. 18 in a game that could decide the league championship.

In an exciting contest in the Pacific Coast League, Phi Gamma Delta of Phi Kappa Psi and Sigma Alpha Epsilon of Theta Chi A, 31-29, in a close finish.

**WEEK'S RESULTS**

<table>
<thead>
<tr>
<th>Team Name</th>
<th>Wins</th>
<th>Losses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sigma Phi Alpha A</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>Delta Phi Epsilon</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>Senior House C</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Sigma Chi</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Phi Gamma Delta</td>
<td>2</td>
<td>2</td>
</tr>
</tbody>
</table>

**BASKETBALL STANDINGS**

<table>
<thead>
<tr>
<th>Team Name</th>
<th>Wins</th>
<th>Losses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sigma Phi Alpha A</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>Delta Phi Epsilon</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>Senior House C</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>Sigma Chi</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>Phi Gamma Delta</td>
<td>3</td>
<td>2</td>
</tr>
</tbody>
</table>

**Ski Team To Rebuild; Two Veterans Return**

The loss of three of his top ski- ing stars has left Coach Jorgensen, MIT's ski coach, with the problem of equaling last year's team, with only a few veterans. Peter Gol- ston, George Ellis and Roberto Perzol graduated last year after leading the team to victory in Maine.

Assistant, Wessel Returns

The leading members on this year's squad are Captain Bent Angus, '62, and Henrik Wessel '64. Angus, Tech's Norwegian tennis star, won the distance competition at Sugarbush Mountain in Maple Leaf last February. Wessel, a fellow countryman of Angus', has received an invitation to the Olympic training camp in preparation for the 364 games. In last year's competition in Maine, Wes- sel placed first in the slalom race.

All told, Coach Jorgensen has fourteen, or nearly eight, players on the squad. These include four freshmen, and several transfer students who have displayed fine potential.

Season To Start Feb. 3

The "A" team starts its season February 3 in the Eastern Colle- giate Ski Association contest at Williams College. The "B" team will join the New England Inter- collegiate Ski Conference competition.

Who, me?

I've had three interviews already!

But your fourth interview might be the most important. Especially if it's with the man from JPL.

That's right, JPL Propulsion Laboratory.

Carlotch operates JPL for NASA.

Gives the people a campus atmosphere. 350 people there. Eleven hundred of the scientists and engineers. The rest are technicians, secretaries, librarians, all kinds of people who back up these scientists and engineers.

JPL's job? Space exploration.

Designing the spacecraft and instrumentation that will explore the moon and planets. They want to find out what the moon is made of and if there's life on other planets. And they will. They're dedicated bunch. And they like their work. After all, what could be more fascinating and more challenging than the work they do?

Take a half hour or so to talk to the man from JPL. Make an appointment now. It's the most important 30 minutes in your life.

**JET PROPULSION LABORATORY**

4000 Oak Grove Drive, Pasadena, California

In space, nobody cares about you.
Sophomores Roll To Victory; 5 Marks Fall In Swim Meet

MIT's Seventh Annual Institute Swimming Championships took place last Saturday before an enthusiastic crowd at the Alumni Pool. Charlie Eisen swimming breaststroke, Ron Mallin swimming butterfly, and Joe Schaefer swimming freestyle all tied for first place last Saturday as the junior class showed its best performance through the meet.

New Records Set

The junior class also starred in the stroke meet breathing its first yards medley relay record by 5.6 seconds. The medley relay team of Tim Stolt swimming backstroke, Don Manley swimming breaststroke, Ron Mallin swimming butterfly, and Joe Schaefer swimming freestyle all tied for first place last Saturday as the junior class showed its best performance through the meet. The sophomore class, winner of the Richards Cup, set new records in new events, as the class of '65 roiled to victory setting four of those marks. The final team scores were: '65, 84 points; '64, 78 points; '63, 67 points; '62, 59 points; Grads, 32 points.

'63, Baker, Coxsawns Win Class Day Races

The races were followed by the annual All-Crew Steak Fry and Party, at which the competitors' determination was reenacted as the premier show of last summer's Henley movies, and a rendition of several songs by a newly-formered group known as The Veggie Bandits.

Tech Riflemen Score Win Over Harvard and Bowdoin

By John Reiter

MIT's Rugby Club terminated the fall season with a 34-0 defeat at the hands of the Boston College last Saturday. The loss set Tech's record at 1-4-1.

Frosh Hockey Rally

Monday, November 26 marks the final game of the 1962-63 hockey season.

T-Club Lounge Provides Meeting Place for Athletes

The latest addition to Tech's athletic facilities in the T-Club Lounge, which opened its doors a year ago with a 25-foot cover under the fall term. The lounge is located in Briggs Field House. Charles T. Brad tend to the lounge.

Tech Rugbymen Topped By Boston Rugby Club; Close Season At 1-4-1

By John Reiter

MIT's Rugby Club terminated the fall season with a 34-0 defeat at the hands of the Boston College last Saturday. The loss set Tech's record at 1-4-1.

Frosh Hockey Rally

Monday, November 26 marks the final game of the 1962-63 hockey season.