By Alan Haisky

Dr. James E. Killian, Jr., chairman of the Massachusetts Institute of Technology, today happily satisfied himself for the second time in his career with no modesty. He climbed into the back seat of a Lincoln Continental and drove away from Memorial Hall at last, having spent the day completing the final presentation of a signal project which he had initiated and for which he had received a personal honor.

Dr. Killian, who was presented to MIT in 1959 after nearly ten years as president, is to be succeeded by his son, Dr. James R. Killian, Jr., who has served as a special assistant to the president. Dr. Killian will take up a new post as president of the Corporation of Massachusetts Institute of Technology, which he will hold for an additional term of five years.

Dr. Killian, who has been a leader in higher education and in the field of technology, has been a strong advocate of the importance of science and technology in society. He has been a frequent speaker on these topics and has written extensively on the subject.

In 1960, Dr. Killian was named the first recipient of the National Science Foundation's Distinguished Service Medal. He has also been a member of the National Academy of Sciences and the National Academy of Engineering.

In addition to his academic career, Dr. Killian has been involved in a number of philanthropic endeavors. He has been a member of the board of trustees of the Boston Museum of Fine Arts and has been a supporter of the arts in general.

Dr. Killian is married to the former Mary Goodwin and is the father of three children. He is the recipient of numerous awards and honors, including the Carnegie Medal of Honor.

Dr. Killian's successor, Dr. James R. Killian, Jr., is the son of the late Dr. James E. Killian, Jr., and has served as a special assistant to the president of MIT for the past five years.

He entered the hospital because of a urinary-tract condition, according to his physician, Dr. C. Prather. He is expected to be discharged in a week.

The onetime special assistant to science and technology in President Eisenhower was chairman of the Corporation of MIT in 1959 after nearly ten years as president.

His present appointment was made by a generous grant of the Institute, to increase responsibilities for science and technology in the administration.

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The Technology Store

12-Meter Yachting Is MIT TV Topic

By James Vollmeck

On Channel 4's "MIT Science Reporter" last Wednesday, members of the Department of Naval Architecture explained the fascinating complexity of designing 12 meter yachts for the America's Cup race.

Appearing on the program were Prof. Harvey Evans, Executive Officer of the Department, and Prof. Julian Kerwin, manager of the MIT Towing Tank. A third guest, Halsey Herreshoff, discussed the various functions of crew members on a racing yacht.

Prof. Evans emphasized the rigid specifications which must be met by boat designers in the Cup competition. All entries are classed as 12 meter yachts. This means that the specifications of the vessel must comply with the following formula, where R cannot exceed 12 meters:

\[ L = \frac{F \cdot T \cdot \alpha}{R} \]

Here, L represents the length of the hull, measured at a particular distance above the water line. D measures the shape of a cross-section of the hull, S is the sail area, and F is the average distance between the water line and the top of the hull. Using this formula, the yacht designer tries to produce the proper compromise between speed and stability.

Mr. Nettles, for example, was planned for greater stability than its competitors. By holding a more stable hull, and therefore increasing the values of D, he designed a hull which was forced to reduce sail area, in order to comply with the formula.

A hull shape is determined for a particular mast by the designer's formula. The Nettles is one of these.

The Boeing 727 Due Next Year; Has Engines In Tail

The Boeing 727, the first U.S. jetliner to have its power plant in the tail, is to be for commercial delivery next year, it was announced Thursday, Oct. 4. John Stutner, 41, chief project engineer for Boeing, gave the details in a seminar sponsored by Course XVI.

A medium range jetliner with a first class passenger capacity of seventy, the 727 is to have a longer speed range and shorter landing approach than the 707. Although its basic configuration follows from the 707 and the 720, in operation it is a radically different aircraft.

Mr. Stutner attributed its performance to two major alterations in design. One of these, a high-lift device called the triple-slotted flap, has given wing lift coefficients of 2.1 as compared to 1.7 for both the 707 and the 720.

The other engine is to be located in the tail. The airframe will accommodate two or three engines aft of the fuselage and the vertical stabilizer rather than two engines forward.

Due to the proximity of the engines to a rear door, the 727 will be entered by a vertical stairway. On our present Jumbo, the airliner will accommodate 100 and the fusel of cargo. With its lower approach speed, the 727 will serve many of the small airports with runways as short as 3,000 feet. Also, the 727 will make it suitable for continental service primarily.

Inscemm Seeks Delegates For Conference

Up to four undergraduates will be sent to Montreal to participate in McGill University's conference on the European Common Market, October 25-27.

Applications for the delegates to the conference are available in Upham Hall, 10-139, 2309. Dellegates will be chosen on Oct. 13. Financial Award will reimburse delegates for their transportation expenses.

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Western Electric engineers are working on various phases of solar cell manufacture, microelectronics, data transmission, radioelectric telephones, electronic central offices, and computer-controlled production lines—to name just a few.

To perfect the work now in progress and launch many new communications products, projects, procedures, and processes not yet in the mind of man—we need quality-minded engineers. If you feel that you can meet our standards, consider the opportunities offered by working with our company. In a few short years, you will be a Western Electric engineer. Challenges opportunities await you at Western Electric for scientific, mechanical, or electrical engineering careers, as well as physical science, liberal arts, and business careers. For full details, please write carefully consideration for employment without regard to race, color, religion or national origin. For more information about Western Electric, write College Relations, Western Electric Company, 500 Cambridgeport, Boston 49, Mass. Boston. There is no registration fee. Failure to register by the end of the week may result in a fifty dollar fee.

CRC Organization Meeting

Civil Rights Committee will hold an organizational meeting Monday, Oct. 21, in the Linekets for an organizational meeting. All are invited to attend. The meeting will be to discuss the following projects in the South End of Boston, to be run jointly with TCO, APV, and Delco.

Symphony Hall
Fri., Nov. 2, 8:30 P.M.
Tickets at Symphony Box Office
Huntington & Mass. Ave.
$4.75, 3.75, 2.75
Mail Orders Accepted
Suggestion
Obtain Ticket At Last Year's Selfout

The Limelights
WHOLLAN Omal Memorial Hospital School of Nursing will put on an "autumn leaves" mixer on Fri-

day, 8-12 p.m., $1.99 donation. It'll be at 351 Fremont Avenue in

Errett, Mass.

Also on Friday will be a mixer at Margaret Jewell Hall of Mt. As-

ham Hospital in Cambridge: 8-

15 p.m., $3.99 admission, with re-

freshments. Although it's being

sponsored by the Class of '63, it's

open to all classes. Music will be

provided by Mike Rizzo and his

orchestra.

Lesley has finally gotten around

to holding a mixer: Friday night a

one dollar ticket will treat you to

four hours ($1.50) of George

Graham's band music and the

group of girls from the whole

campus. It'll start in the lounge

of Tremont. Marlow Hall: ('10

corner of Everett & Oxford

streets in Cambridge) and prob-

ably spill out into the court Is-

sider. Of great interest to many Tech-

men will be the mixers at 8U

dams this weekend. 'Towers, as

previously mentioned, will be hold-

ing an invitation affairs Friday

night, 8-12 p.m., with music by ja-

kets and free refreshments. Invitations (a limited number)

have been sent to Burton, Baxter, and Good House, as well as to

several fraternities. And a few invitations can still be obtained

from the Towers social chairmen. Charter Hall will be throwing a

"castle coper" the same night, same time. Flippers are being sent

out, and there will give informa-

tion on how to get invitations.

They'll probably be about the

same arrangements as Towers.

There'll be a love (and lively)

band, and refreshments will be

served.

The activity Friday night will

ran out by a mixer at Em-

enical College: 8-12 p.m., in

Hartman Hall. The $2.50 donation

distributed among various chari-

ties, so give with a smile. Sa-

by Sunday night the main activ-

ity will be at Carmichael Hall of

Tuffs University. It'll be an all-

night affair with music by Bill

Nye's band; guys $7.50, girls free.

Sunday afternoon Emerson Col-

lege will be sponsoring an Open

House, 1-3 p.m. Although it's be-

ing held at the women's residence at Bill Brown Street, there'll be

girls from the other dorms, also.

As mentioned previously, Har-

rision D. Richardson House of BU is

holding an open house October 22,

8-12 p.m. The address is 135 Bay

State Road; all classes will be rep-

resented, and admission is free.

The week after that, November

2, State Academy's a busi-

ness school is having its annual

Harvest Hop on the roof garden of the office building; tickets are 

necessary for admission. There'll be folk singing as well as dancing, 

so anyone who wants to is invited to bring a guitar.

One of the last mixers of the 

term will be an affair at Shel-

ton (G40), November 30, 8-12 p.m.

It'll be an invitational mixer, and invitations will be sent to various 

spots on campus in the not too distant future. There'll be a band to

provide music. The above list should just give you a general idea of 

what's coming up, and there will be many other mixers to choose 

from in the near future.

It's going to be a very interesting 

term, and there will be many 

opportunities to meet people 

and have fun. Keep an ear open 

for any announcements of specifics and try to get to at least a few

of the mixers. It's a lot better than just sitting in a room waiting for 

your classes to start. Have fun, and keep your eye on the calendar!

Catherine Whidden Memorial Hospita. and 


to say a few words.

An equal opportunity 

educational institution.

Head Centers For 

Materials Science

Dr. Robert Allen Smith, British 

physicist and specialist in ma-

terials science, has been ap-

pointed the first di-

actor of the new Center for 

Materials Science and Engineer-

ing. Dr. Smith will also hold a 

simultaneous appointment as Pro-

fessor of Engineering in the 

Physics Department.

The inter-departmental center, 

which will be housed in a $6 

million building now under 

construction on the east side 

of the Cambridge campus, is 
a part of MIT's new-oriented approach to teaching and research 
in science and engineering. There will also be centers for earth 

sciences, life sciences, communica-

tions, and physical sciences and 

economics. Dr. Smith is expected to join the MIT faculty next 

year, after completing his post-doctoral work in Cambridge. 

He was educated at the University of Sheffield, England.
Letters to the Tech

To the Editor:

It seems that certain members of the Administration were offended by the songs in the East Campus Song Sheet Supplement which appeared in Tech last week. It was felt that the songs did not contain any obscenities or vulgarity and that Tech should have been more careful in reviewing the songs before publication.

We are of the opinion that the Administration is wrong in its objection to the publication of the East Campus Song Sheet Supplement. The songs were not intended to be obscene or vulgar, but rather to express the opinions and feelings of the students.

The Board of Directors of Tech has accepted the resignation of Joseph Kibbitzer '64 as Business Manager and has appointed to succeed him Howard M. Brauer '65, of Senior House and Evanston, Illinois, as Acting Business Manager.

Boys Will Be Boys

Or so they say. In the letters column on this page there appears a rather humorous appeal to save the East Campus Song Sheet Supplement. This is a collection of unbelievably obscene songs placed in the wrong hands (dropped and procured by some less offensive ditties for mixed company). The cover page of this little pamphlet, "Massachusetts Institute of Technology East Campus Song Book" published by the East Campus Social Committee is a considerable question.

We are not inclined to pontificate on the matter of filthy songs in general, feeling very unwilling to admit the possibility that some people could see value in them. We do resent the immature attitude attached to us all by having the MIT name spelt in capital letters over the cover, and we are sure that there are members of this, and other living groups in a similar situation who are ashamed of having the name of their programs confused with such an assemblage of trash.

J. E. M.

Kibbitzer

By MICHAEL LIP '64

Kibbitzer is a singleton honor or doubleton trick. You hold the following hand:

North South East West

Queen of Clubs 10 Diamonds A Spades 3

Queen of Hearts 9 Clubs 4 Spades 7

4 3 2

The bid is "Pass".

North South East West

Pass 3 notrump Pass 3 notrump Pass 3 notrump Pass 3 notrump

Pass 3 notrump Pass 3 notrump Pass 3 notrump Pass 3 notrump

North South East West

K 9 7 6 A

K 9 7 6 A

The bidding: South East North West

pass 3 notrump pass 3 notrump pass 3 notrump pass 3 notrump

pass 3 notrump pass 3 notrump pass 3 notrump pass 3 notrump

The result is a singleton honor or doubleton trick.

Assuming that this cutting-off trick is made, any trick not cut-off would be the new singleton honor! South would have the luck his way.

Example: The first trick is South's King Club. North plays the Ten of Clubs. South leads the Ace of Spades, and West takes it. North plays the Ten of Clubs again, and South wins with the Ace of Spades.

Example: South leads the Ten of Diamonds. North plays the Ten of Clubs. South wins with the Ace of Spades and West plays the Ten of Clubs again.

Example: South leads the Ten of Diamonds. North plays the Ten of Clubs. South wins with the Ace of Spades and West plays the Ten of Clubs again.

In the second trick, West leads the Ten of Spades. North plays the Ten of Clubs. South wins with the Ace of Spades and West plays the Ten of Clubs again.

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Phosphate Dental Conference at MIT

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Phosphates have been associated with tooth decay only in the last few years. The connection between the two is uncertain in so far as it is not clear whether phosphates in the dental enamel crystal structure may contribute to whiteness and resistance to decay. Prof. Harris says removal of phosphates in food processing may be responsible for tooth decay in man.

Research seems to show that phosphates in cow's milk combat dental decay, at least in animals. Some experiments with human beings have been conducted, but MIT has not yet yielded conclusive evidence.

If phosphates do affect the teeth, they may do their work through the saliva, while passing through the mouth in ingestion, or through the blood system after digestion. Their exact mechanism of action with the agents of decay is also ill-defined.

Papers were presented on the stability of the human teeth itself, studies of edible phosphates, literature already published on the topic, and possible exploitation of the decay-stopping action of phosphates. It is hoped that results of the conference will be published within a month.

Three Penny Opera Held Over At Charles

"The Three Penny Opera's production will be extended through November 4 at the Charles playhouse." Featuring such songs as "Black and Blue," "Red Headed Black Knight," there are other musical numbers from the Broad," "Kurt Well" musicals, "Stephen Elliott, Gary Field, and Norman Roloff.

Perfomances are Tuesday-Fri- day at 8:30, Saturday at 5:30, 7:30, Sunday at 3:00, 7:30.

AT PRATT & WHITNEY AIRCRAFT...

YOUR 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 far sightedness 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 effects are being explored in every field of aerospace, marine and industrial power application.

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movies...

Diverse Styles Disrupt 'Summer Skin'

By Thomas B. Hetherington

"Summer Skin," my first Torre-Nilsson film, presents a comprehensive cross-section of the artist's diverse styles and techniques. The photography of the girl (Marcia) is reminiscent of those name/descriptive memories of her grandmother's lace. In return, she will receive a full color wardrobe and a trip to Paris. Mareia is to believe that she has found "true" love in Marcia. But instead, he is faced with her frigidity. Torre-Nilsson employs Bergman's broad technique. "Bloody Balls," the conversation at "L'Avventura," ("La Notte"), at which Torre-Nilsson is very dexterous, is one of the most insignificant of her movements. Any individual scene filmed with painstaking care is made into the movie a bit artificial. The weaving of the story is that it lacks unity of style. Any individual scene filmed with painstaking care is made into the movie a bit artificial. The weaving of the story is that it lacks unity of style. Any individual scene filmed with painstaking care is made into the movie a bit artificial.
BU Theater Presents "Beggar on Horseback" By Kaufman, Connelly

"Beggar on Horseback" is a comedy about the life of James Henry O'Farrell, the Irish theatrical actor and singer. The play is set in an Irish tavern in the 1860s and follows O'Farrell as he tries to make it in the American theater world. The play is known for its fast-paced dialogue and humorous situations.

**SYMPHONY HALL**

One Performance Only FRIDAY EVE., OCT. 19 at 8:30 p.m.

**THE MODERN JAZZ QUARTET**

SPECIAL Student Discount Tickets Available at TCA

**CAFE YANA**

50 Brookline Ave. Near Kenmore Sq.

**THE TECH**

WEDNESDAY, OCT. 17, 1962

Page 7

At Kresge Saturday: Musical Clubs Concert

MTT Musical Clubs will present its annual combined concert in Kresge Auditorium Saturday evening at 8:00 p.m. Admission will be free.

Fred H. Liebmann, Director of Music, will conduct the Glee Club in works by Schubert, Schiller, Brahms, and others. The Symphony Orchestra, under the baton of John Corley, will play Brahms' "Tragic Overture" and Chopin's "E ocalism." The Concert Band, also directed by Corley, will perform J. H. "Americon Overture" and J. J. "Original Suite." The Brass Choir, conducted by Andrew Kudielka, and the Technicians, MTT Jazz group, will also perform.

The Unicorn

33 High St., doorway to Washington St.

Cafe Yana

50 Brookline Ave., near Kenmore Sq.

Brooke by Gregory Tucker, will be played. Harris Moore's "American Overture," will be performed at 8:00 p.m.

Cafe Yana

50 Brookline Ave., near Kenmore Sq.

Near Kenmore Sq.

Cafe Yana presents Hedy West

NEW YORK TIMES...adaptable...pleasing...charming...refined...sensitive...worth watching.

FRIDAY, OCT. 19 & SATURDAY, OCT. 20

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Fred H. Liebmann, Director of Music, will conduct the Glee Club in works by Schubert, Schiller, Brahms, and others. The Symphony Orchestra, under the baton of John Corley, will play Brahms' "Tragic Overture" and Chopin's "E ocalism." The Concert Band, also directed by Corley, will perform J. H. "Americon Overture" and J. J. "Original Suite." The Brass Choir, conducted by Andrew Kudielka, and the Technicians, MTT Jazz group, will also perform.

The Unicorn

33 High St., doorway to Washington St.

Cafe Yana

50 Brookline Ave., near Kenmore Sq.

Brooke by Gregory Tucker, will be played. Harris Moore's "American Overture," will be performed at 8:00 p.m.

Cafe Yana

50 Brookline Ave., near Kenmore Sq.

Near Kenmore Sq.

Cafe Yana presents Hedy West

NEW YORK TIMES...adaptable...pleasing...charming...refined...sensitive...worth watching.

FRIDAY, OCT. 19 & SATURDAY, OCT. 20

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movies...

"Barabbas" A Desecration
Of A Magnificent Book

"It begins where the other big ones leave off," claim the ads for "Barabbas." However, the cross-cuts today made out of past opportunism. The fresh approach does not lead to originality. Barabbas, for instance, is eventually taken to Rome, not as an ancient hero, but as a gladiator ("Dantonius and the Gladiators").

In the book, Sahak is chased around the Colosseum by Jack Palance in a chariot ("Omen Hair"). Early in the film when Jack's chariot puts off the old man's red mane into a gladiator, and at its end there is a pan-shot of a whole fort of crosses ("Horace").

These gratuitous additions to Par Lagerkvist's basic story seem a little tired by now. They can be ignored, of course, but what then remains is the desecration of a magnificent book.

Lagerkvist is a classicist. His book is spare and simple, with all unnecessary removed. If ever a book cried out for square screen, black and white film, this is it. The only excuse for adding spectacular scenes here would be to project a background Lagerkvist ignored. In the Columbia release they mere often get in the way.

Lagerkvist's Barabbas was a man unwilling to die. The savior's willingness to die is therefore a permanent enigma to him, aggravated because people seem to have heard of "the rock" wherever Barabbas goes.

Barabbas saw Christ; saw him crucified; saw the empty tomb. He talked with the disciples and even to Lazarus . . . and still remained.

Prausnitz Conducts
Symphonic Series
Starting October 25

The Conservatory Symphony Orchestra will present the first in its annual series of concerts Thursday, October 25, in Jordan Hall at 8:30 p.m. There will be no admission charge.

The program will include Brahms' Third Symphony, Stravinsky's Overture to The Firebird, and Beethoven's Overture to Fidelio.

The sections, which will be conducted by Frederic Prausnitz, will include a number of new or rarely heard works, such as Dariusz's Choreographic Poem Jann and Frederic's Second Symphony.

Why is Schaefer a best seller with college men? Because it's the one beer to have when you're having more than one.
A man needs Jockey support

Jockey is for men. Made from 13 separate pieces to give the support and protection every man needs.

A man needs a special kind of support for true male comfort. And only Jockey builds a brief from 13 separate, tailored pieces to give that support—plus comfort. No other brief has such a firm, long-lasting waistband to hold the brief up for constant support, and no other brief has the Jockey assurance of no-gap security.

Get the real thing...it isn’t Jockey if it doesn’t have the Jockey Box.

1963 GRADUATES!

CON EDISON WOULD LIKE TO TALK WITH YOU ABOUT WHAT YOU CAN BE DOING IN 1973

Wire looking ahead 15 years, because within this period Con Edison will have about 800 top management and staff positions opening up.

Right now we can offer ambitious young college graduates unique opportunities to move to the top. We’re looking for engineers...math majors...and chemists who can be trained now to be ready to move into these important posts.

Immediate prospects at Con Edison are bright. Job for the right men: good starting salary...an individually tailored training program, with interesting assignments from the start....the chance to do original, creative work in a progressive company that’s pioneered many developments in the power field....valuable financial help toward graduate studies. And all in the stimulating environment of exciting New York!

So don’t miss the chance to get the low-down on this dynamic company that supplies the energy—electricity, gas and steam—that keeps New York going and growing. Talk with the Con Edison man.

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THE TECH

WEDNESDAY, OCTOBER 17, 1962

CAMPUS INTERVIEWS...OCTOBER 24

Drop in at your College Placement Office. Get a copy of our brochure...also time and place for your interview.

Electronic Marvels

New Detector To Study Mars, Smoke

Electronic instruments which pre-test food, measure how much smoke there is in the air, and count billions of white blood cells to spot abnormal ones are a few of the thousands of new scientific devices now in use.

Because so many of these newly developed instruments of science are used only in research, their discoveries are rarely published. A few of the more important ones follow: an infrared spectrophotometer, a 360-speed detection device that can answer a wide variety of questions with deadly accuracy, a cellscan, a device which, when fully developed, may permit rapid analysis of low-level radiation damage to blood cells; a hydrocarbon detector, a device which is essentially a counter of carbon atoms; and a gas chromatograph, a detection tool that can figure out the composition of a tiny sample of complex material with very high speed and accuracy.

Multi-Purpose Detector

The infrared spectrophotometer can trace rare poisons in the water, blood or dust for which cell damage may be measured, although researchers suspect that the number of double-stranded DNA helices in a certain type exists with the amount of radiation damage.

To determine this damage at present a technician with a microscope must count the double-stranded DNA helices in a sample. Even in its present state of development the cellscan can remove the tedium from this task by using a combination of computer and television camera to do the job. New techniques are aimed at cutting all counting times to fifteen minutes. The hydrocarbon detector can be used in conjunction with a "flying telescope"—the Stratoscope II to examine Mars. The goal is to determine whether there is any form of life on the Red Planet.

Colburn Scans Cells.

The cellscan holds great hopes for the future. At present there is no absolutely certain index by which cell damage may be measured, although researchers suspect that the number of double-stranded DNA helices in a certain type exists with the amount of radiation damage.

A spectrophotometer can examine 2.055 ounce of any substance—solid, liquid, or gas—and in most cases identify it within fifteen minutes. Already scientists are using it to make analyses; manufacturers use it to learn the exact composition of the materials they work with.

Early in 1963, a special infrared spectrophotometer will be used in conjunction with a "flying telescope"—the Stratoscope II

Variety of Uses

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Town Planner Advocates Maximum Use Of Walking

By Susan Henley

Paul Ritter, town planner, of Nottingham, England, lectured at MIT October 11 on the problems of traffic separation. This talk was the first in a series of ten, sponsored by the Department of City and Regional Planning.

Traffic separation is the problem of separating man and motor, which Mr. Ritter feels lead at best to dullness and at worst to danger when brought together. Mr. Ritter showed slides of various towns, including the "new towns" of England and developments in Germany, Sweden, France, and the United States, which had been planned so as to enable man to make the maximum use of walking. Such planning, believes, which allows utilization of the motor car almost solely for longer trips than within the town, encourages neighborhood unity and physical fitness.

Mr. Ritter is singularly qualified to talk on this topic because he holds not only the office of town planner but is also an architect, and a sociologist.

The first town built on the plan that Mr. Ritter advocates was Radburn, England, built in 1928. In Radburn and other towns of its type, the homes are grouped around central pedestrian areas which provide, in their different facets, meeting places for all dwellers from young children to their grandparents.

Mr. Ritter believes that Radburn and similar towns should be studied as experiments, not as final and unchangeable models which must be either totally condemned or totally approved. If they could be analyzed point by point, he feels, their disadvantages could be corrected while their underlying principles would be seen to be basically worthwhile.

Attention, all witty, urbane college students:

Get Lucky! MAKE $25 (or would you like to try for $50?)

ENTER LUCKY STRIKES' ZANY NEW "Crazy Questions" Contest

50 CASH AWARDS A MONTH. ENTER NOW. HERE'S HOW:

First, think of an answer. Any answer. Then come up with a nutty, surprising question for it, and you've done a "Crazy Question." It's the easy new way for students to make loot. Study the examples below, then do your own. Send them, with your name, address, college and class, to GET LUCKY, Box 64F, Mt. Vernon 10, N. Y. Winning entries will be awarded $25.00. Winning entries submitted on the inside of a Lucky Strike wrapper will get a $25.00 bonus. Enter as often as you like. Start right now!

THE ANSWER:

ANCIENT EGYPTIAN MUMMIES

This is the name of an ancient Egyptian hairstyle. Do you know what it's called? (Up to 41 characters)

THE QUESTION:

What was the name of a hairdo for men, with a mummy-like look, that was popular in ancient Egypt? (Up to 41 characters)

THE ANSWER:

TWAIN

The question is:

The answer is:

THE QUESTION:

What was the name of a newspaper that Mark Twain was, at one time, editor of? (Up to 41 characters)

THE ANSWER:

James Joyce

The question is:

The answer is:

THE QUESTION:

What was the name of a Dublin newspaper that James Joyce was editor of? (Up to 41 characters)

THE ANSWER:

Art Appreciation

The question is:

The answer is:

THE QUESTION:

What is the field of study that involves the appreciation of fine art? (Up to 41 characters)

THE ANSWER:

Across the river and into the trees

The question is:

The answer is:

THE QUESTION:

What is the answer to the question "How do you get to the Prom?" (Up to 41 characters)

THE ANSWER:

Get Lucky

the taste to start with...the taste to stay with

The question is: WHAT IS THE SLOGAN OF THE FAVORITE REGULAR CIGARETTE OF TODAY'S COLLEGE STUDENTS? If you missed that one, go to the rear of the class. Everyone should know that "Get Lucky" is the slogan of the cigarette to start with Luckyies, and that taste is the big reason Lucky smokers stay Lucky smokers. Prove it to yourself. Get Lucky today.

The American Tobacco Company - "Lucky is our middle name"
New Muller Microscope Renders Atoms Visible

Scientists, for the first time, are now able to see individual atoms of matter using the world’s most powerful microscopic device, the Muller Field Ion Microscope. Although it has been known for nearly fifty years that the atomic lattice—literally a lattice work of atoms—is the basic structure of solid matter, not until this new microscope was introduced this year has this phenomenon been visible to the eyes of science.

Capable of magnifying up to two million diameters with good definition and clarity, the Muller Field Ion Microscope, introduced by Central Scientific Company, a division of Cenco Instruments Corp., surpasses the well-known electron and field emission microscopes in power. The latter two devices produce images that are somewhat blurred and diffused at magnifications approaching one million diameters.

This new microscopic research tool, developed by Dr. Erwin W. Muller of Pennsylvania State University, is expected to help scientists learn the answers to many important problems in metallurgy, especially problems dealing with the refractory or high-melting-point metals. Using the Cenco microscope, minute imperfections in the crystal structure of metals can be detected, photographed and intimately studied. In this way, scientists will come to fully understand the mechanism of failure or fatigue in metals subjected to high stress and temperatures such as those used in missile and outer space vehicles.

Other applications for the new instrument include studying the effects radiation has on metal. This information will be of prime importance to engineers working with nuclear reactors aboard our submarines and in electric power plants.

The super-powered microscope operates much the same as a conventional television picture tube. A fluorescent screen is bombarded with helium ions catapulted from a sample of the metal being examined. Extremely high voltages operating in a vacuum are used to produce a high field strength in the sample which is etched to an extremely fine point. These ions, as they hit the screen, depict their path and origin on the metal sample and produce what amounts to a picture of the atomic structure of the metal.

Dave Brubeck
I’m Gonna Dig Myself

Ray Conniff
The Day You Look From

Miles Davis
I Can’t Stop Loving You

The Brothers Four
Magazine

André Previn
Law Lord

Duke Ellington
Paffles

Carmen McRae
Possibility

Roy Hamilton
Angel Eyes

Gerry Mulligan
What Is There To Say

The Hi-Lo’s
Countryside

Lambert, Hendricks & Ross
Cloud Burst

Buddy Greco
The Lady Is a Tramp

Great new record offer ($3.98 value)...just $1.00 when you buy Sheaffer’s back-to-school special!

Now when you buy your Sheaffer Cartridge Pen for school, you get 4 free $0.95 Sheaffer cartridges FREE...a $3.93 value for just $1.00. Look for Sheaffer’s back-to-school capstone offer on all Sheaffer school products everywhere. On the back of the package, there’s a bonus for you as a coupon good for a $3.93 value Columbia limited-edition record. It’s “Swingin’ Sound”, twelve top artists playing top hits for the first time on a 12” L.P. This double-album back-to-school offer good only while they last! So hurry, choose your Sheaffer Cartridge Pen from five smart colors...and mail your “Swingin’ Sound” record coupon today.

SHEAFFER’S BACK-TO-SCHOOL SPECIAL! New cartridge pen with $4.00 worth of cartridges FREE.

$3.93 VALUE FOR $2.95

SHEAFFER’S
**Happiness Can’t Buy Money**

Can education bring happiness?

This is a question that in recent years has caused much lively debate and several hundred stances among American college professors. Some contend that if a student’s intellect is sufficiently aroused, happiness will automatically follow. Others say that while it is true that the intellect and ignorance and the rest of the personality can only lead to misery.

I myself favor the second view, and I offer in evidence the well-known case of Agatha Fuso.

Agatha, a forestry major, never got anything less than a straight "A." At twenty she accorded her B.T. (Bachelor of Trees) in only two years, her M.B. (Master of Sap and Bark) in only three, and her D.B.C. (Doctor of Blight and Cutsworms) in only seven.

Academic glory was hers. Her intellect was the envy of every intellectual on campus. But was she happy? The answer is no. Agatha—she knew not why—was miserable, so miserable, in fact, that one day while walking across campus, she was suddenly overcome with melancholy that she flung herself, weeping, upon the statue of the Founder.

"Suppose you tell me," you dumb old liberal arts major," said R. Twinkle Plenty, "I am not saying that you have the answer, alas, was no. Agathe—she knew not why—was miserable, in fact, that one day while walking across campus, she was suddenly overcome with melancholy that she flung herself, weeping, upon the statue of the Founder.

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Annual Meeting

The annual meeting of the membership of the Harvard Cooperative Society, in accordance with Article XIV of the By-Laws, will be held in . . .

Harvard Hall 1
Wednesday, Oct. 24, 1962
5 p.m.

Members who have joined since July 1, 1962 are Participating Members and are cordially invited to attend.

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Book Review

Egghead Guide Derides Institutions --Especially Colleges, FBI, and DAR

By David G. Johnson

The author claims that the purpose of this book is "to teach the reader on a sort of demystification tour of America--to strip some of our most sacred institutions of their BVD's and to show what can be done about them if anybody feels so inclined."

Mr. Thompson does manage to strip various institutions down to their BVD's, or even less. He gets his digs in at everything characteristic of America, except marriage, apple pie, suffrage woman, and farm life. Special attention is given to the ridicule of colleges, armed forces, senate investigations, and the trends of our inhumanity society. Wade Thompson definitely manages to knock all revered institutions from their pedestals as powers.

The second part of Mr. Thompson's avowed purpose, however, is neglected as thoroughly as the first premise is fulfilled. He never comes close to reshaping "what can be done about [his sacred institutions] if anyone feels so inclined." The demolition of Egghead's Guide to American Wade Thompson

Macmillan Company
130 pages, $3.50

Americanism is accomplished with thoroughness, rapidity, and infectious glee. The reconstruction is innocuously avoided. Any reader is sure to be offended of enough during the course of this book, but that same reader will also find one of his own minor complaints eloquently expressed. You will have a chance to laugh at Norman Vincent Paul's. J. Edgar Hoover, and the DAR. You will also be subjected to an abundance of the difficulties of organizing a peace march. The one peace march is of particular interest to Mr. Thompson for two reasons. The first reason is that Wade Thompson himself is a peace marcher. (He is still able to discuss the situation humorously through. Secondly, the peace march illustrates the author's belief that the U.S.A. is one big bundle of self-constructions, e.g., Americanism love peace, they keep marching, but they abhor peace marches.

Although Wade Thompson is a fundamentalist in another sense, he usually uses precise logic and tangibly means what he says. Here are a few of my favorite examples:

"Ferry Freeman -- said that football scholarships are Good Things because they parseIntantly help a student who might otherwise have to go to college. He could have justified prosaic negotiations of the same reasoning, but he didn't bother."

Concerning the FBI: "But surely it is more important to the average American to know that a criminal's mother has been cleared of any hint of Commu-

mism than that a few millionaire gangsters got caught."

"I doubt that we can begin fighting a conventional war without tension. For example, unconventional, especially if we are so unrealistic as to start win-

ning the war. Desperate peoples do desperate things, and no na-
sion will ever lose a war with grace and loving-kindness." Con-

vincing the results of working a "How to" book: "Everybody will

hate you and praise you as though you had just saved Eliza-
debt son."

An alleged quote from the DAR: "Daughters, we must reach and teach again the principles of

Every College Student Can Benefit by Reading This Book

An understanding of the truth contained in Science and Health with Key to the Scrip-
tures by Mary Baker Eddy can remove the pressure which concerns today's college student upon whom increasing demands are being made for academic excellence.

Free to You for 30 Days

Science and Health may be read, borrowed, or purchased for $3 at any Christian Science Reading Room. On request a copy will be mailed to you post-

paid. After 30 days you may keep the book by remitting the cost or return it to the Reading Room in the mailing carton provided.

Information about Science and Health may also be ob-
tained on campus through the

Christian Science Organization

M. I. T.
Meeting Time
7:15 P.M. Tuesdays
Meeting Place
MIT Chapel

Assignment: build a brake that will make its own adjustments.

It's now a fact: every Ford-built car in '63 has self-adjusting brakes.

"Give us a brake," Ford Motor Company engineers were told, "that will automatically compensate for lining wear whenever an adjustment is needed--and make it work for the entire life of the lining."

Tough assignment--but not insurmountable. Today, not only does every Ford-built car boast self-adjusting brakes, but the design is so

excellent that adjustments can be made more precisely than by hand. This Ford-pioneered concept is not complex. Key to it is a simple

brake drum and lining.

Self-adjustment takes place when the brakes are applied while backing up. This adjustment normally occurs but once in several hundred miles of driving. The brake pedal stays up, providing full pedal reserve for braking.

Another assignment completed--and another example of how Ford Motor Company provides engineering leadership for the American Road.
Brookhaven College Visitors' Day Scheduled Oct. 20

The Brookhaven National Laboratory, Upton, Long Island, New York, will hold its third annual Visitors' Day, Saturday, October 20. In conjunction with this day, Brookhaven plans its fifth annual College Visitors' Day, Friday, October 18 and its sixth annual High School Visitors' Day, open to Junior and Senior High School students, October 21.

On these three days the Laboratory will provide tours of four of its major research facilities: the nuclear reactor, the Hot Laboratory, where special devices are used to handle highly radioactive materials; the High intensity Radiation Development Laboratory, where techniques are developed for high level radiation studies; and the new 80-inch Bubble Chamber, the world's largest device of its kind, which detects nuclear interactions resulting from the bombardment of high energy particles from the Alternating Gradient Synchrotron.

In addition, an exhibit hall will contain a display on particle physics research. This display will contain a diffusion cloud chamber and a spark chamber. Other exhibits will be devoted to various aspects of research in the life and physical sciences.

if...

You have (or will have) your Ph.D. or Master's Degree

YOU MAY FIND THAT A MOVE TO MARTIN WILL BE A MOVE UP IN YOUR CAREER...A MOVE AHEAD TOWARD SIGNIFICANT ACCOMPLISHMENT

Important Martin positions for PHYSICISTS, ENGINEERS, APPLIED MATHEMATICIANS and SCIENTISTS with advanced degrees in:

**AERONAUTICAL OR ASTRONAUTICS**
- Dynamics Analysis
- Magnetohydrodynamics
- Fluid Dynamics
- Wave Propagation
- Reactor Heating Problems

**ELECTRICAL AND ELECTRONICS**
- Electricity and Electromagnetic Loading
- Solid State Devices
- Solid State Circuits
- Microwave
- Guidance and Navigation
- Visual Presentation Systems

**CHEMISTRY (Physical-Organic)**
- Non-equilibrium and Aero-chemical aspects of very high temperatures
- Radiochemistry
- High chemical reactivity

**ELECTRICAL OR ELECTRONICS**
- Data Processing
- Infrared
- Microwaves
- Guidance & Navigation
- Visual Presentation Systems
- Cryogenics
- Propagation
- Interference
- Spacecraft
- Internal Control
- Microwave Interactions
- Visual Presentation
- Cryogenics
- Information Theory
- Propagation Problems
- Spacecraft Systems
- Advanced Communication Systems
- Automatic Control Systems
- Aerodynamic Vehicle Control Systems
- Nuclear Power Systems
- Nuclear Systems

**PHYSICS, NUCLEAR PHYSICS & SCIENCE**
- Fluid Dynamics of multi-phase gases
- Liquid Rocket Engines
- Solid State Devices
- Solid State Devices
- Infrared
- Hydrogen-Rared Gas Flow
- Experimental Stress Analysis of Structures at Elevated Temperatures
- Hydrogen-Rared Gas Flow
- Hydrogen-Rared Gas Flow

**PROPULSION & THERMODYNAMICS**
- Fluid Dynamics of multi-phase gases
- Liquid Rocket Engines
- Solid State Devices
- Solid State Devices
- Infrared
- Hydrogen-Rared Gas Flow
- Hydrogen-Rared Gas Flow

**MATHEMATICS (Applied)**
- Classical Mechanics
- Orbits in Celestial Mechanics
- System Evaluation of Reactor Systems
- System Optimization & Nonlinear Methods
- Advanced Computing Systems
- Advanced Computing Systems
- Automatic Control Systems
- Automatic Control Systems
- Advanced Computation Systems
- Advanced Computation Systems

**METALLURGY**
- Hi-temp Materials
- Solid-State Devices
- Advanced Welding
- Joinder Techniques

**EXPERIMENTAL OR INDUSTRIAL PSYCHOLOGY**
- (Ph.D.'s Only)
- Cognitive Psychology
- Decision-making
- Experimental Psychology
- Decision-making
- Human Factors Field Evaluation
- Human Factors Field Evaluation
- Human Factors Field Evaluation

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Chesterfield King
Tobacco too mild to filter, pleasure too good to miss

BOOK REVIEW

'Cookbook' Selections Too Selective

(Continued from Page 13)

Americanism to our Negroes, our war babies, our foreigners and our Brandeisians!'1

These have been a few random samples of quotable length. One might call the book a meditation, a situation comedy. I wish I had the space to quote the hypothetical trail of the FBI or an interview with the head of the HUAC, for example.

Mr. Thompson's style is very pleasant to the reader. The whole book reminds me of a monologue at a cocktail party. The author sounds, like he has had three or four martinis. He is quite un-pretentious, yet still intelligible and in command of his faculties.

The author's evaluation of himself as found on the book's jacket gave me the impression that he is an egoist with whom I might correspond, but not wish to argue personally or to be seen with. The general effect of the text confirmed my first impression. I enjoyed reading his writing and thinking about his arguments, but I would not want him to read my work's philosophy. Life can be difficult enough without being convinced that one's country is controlled by movie stars and baboons, even though it may actually be so.

The book is printed with large type and that font. Each chapter is independent of the others. One may read the sections in any order or hurried straight through. Whether you read this book in a two hour session or in ten minute portions, predict that Egghead's Guide To America will give you chuckles and a hearty laugh or two. You will reap no lasting benefits from the book, but it is an entertainingly pleasant diversion.

THE BACHELOR'S COOK-BOOK

Mr. Sheridan designed his Bachelor's Cookbook to be a simple, readable. revolutionizing guide for the single male. His work is surely satisfactory to the bachelor's reading public, but leaves much to be desired in value as a kitchen aid.

The opening chapters contain good advice on the use and maintenance of kitchen utensils and appliances, as well as space between the handles of kitchen scissors is made to be used for unscrewing small bottle tops. This section is not only particularly valuable for the man setting out to furnish a kitchen, but need only be read once in a lifetime.

For those bachelors who find they have women in their castles, Mr. Sheridan makes special provision.

Outstanding here is the 8-step procedure for converting, in just a few minutes, a money apartment into one giving a respectable impression.

When one really sets out to cook, however, the real failings of the book appear. For one, the variety of dishes listed is not large. For another, the dishes suggested may not as simple as is desirable. Admittedly a magnificent assortment of breakfasts may be tasty, but surely a single book cannot have been suggested in addition.

And in being selective as to what really basic information to include (or perhaps in trying too much to be humorous), the author made some major omissions. Nor should, for instance, there a table of weights and measures which could have been and usually have been printed on the underside of the book's cover. (Though there was a discussion as to the difference in size between a "pint" and a "cup," the author would not want him to mold his first impression. I endorse his work as found on the book's jacket by which I might correspond, but not wish to argue personally or to be seen with. The general effect of the text confirmed my first impression. I enjoyed reading his writing and thinking about his arguments, but I would not want him to read my work's philosophy. Life can be difficult enough without being convinced that one's country is controlled by movie stars and baboons, even though it may actually be so.

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Electronic Marvels In Modern Research
(Continued from Page 9)
quickly and accurately check hydrocarbon contamination in the fuel of airplanes and space vehi-
cles. It is also useful in monitoring
the amount of automotive gas
fumes in the atmosphere, detect-
ing the explosive levels of gases
in such enclosed spots as hospital
operating rooms and mine cham-
bers, and checking leaks in ser-
vice stations.
Gaseous Division
The gas chromatograph recently
divided a sample of crude oil in-
to fifty-two separate components
in only twenty minutes—com-
pared to the twenty years it pre-
viously took a team of chemists
to do the job.

The food industry today is us-
ing the gas chromatograph to
make sure orange juice has
the right taste and coffee has
the right aroma. The device, for
instance, has been used by the
Coffee Brewing Institute to dis-
cover that coffee aromas are made
up of more than twenty compo-

dents. The amounts in which these
twenty components occur deter-
mine how the coffee will smell.

Food researchers are now us-
ging the gas chromatograph to
find out if, and how, pesticides
used in growing fruits and veget-
ables affect the taste of the food.
And, by making possible the
study of the subtle changes that
occur in the breakdown of per-

catable foods, the gas chromato-

graph may some day lead to im-
provements in ways of preventing food deterioration.

THE SAFE WAY to stay alert
without harmful stimulants
NoDoz keeps you mentally alert with the same safe re-

fresher found in coffee and tea. Yet NoDoz is faster, handier, more reliable. Absolu-
tely not habit-forming. Next time monotony makes
you feel drowsy while driving, working on a project, do a million things & ace up with
safe, effective NoDoz tablets. Another big product of Great Lakes,

ENGINEERS:
Which of these Specifications
Fit the Future of Your Career?
The list below probably contains a number of the things you consider im-
portant in selecting the job that will do the most for you. Many companies
offer most of them, but to different degrees and in different ways. Check the
list and then consider how Emerson Electric meets these specifications. You
may decide that an Emerson job is worth investigating.

SPECIFICATION
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Potential growth
Personal recognition opportunities
Challenging projects
Personal initiative encouragement
Top salary and benefits
Solid company diversification
Strong corporate vitality
Good educational facilities
Centralized location

EMERSON OFFERS
Emerson is a medium-size company on the move. It has grown
from a $40 million business to over $250 million in just eight years.
Because Emerson continues to grow at an accelerated rate,
positions continue to open at all levels. And Emerson believes in
promotion from within.
Because Emerson is not a giant, engineers retain their individ-
uality and identity. Projects are assigned to informal small teams.
Your work will be recognized and rewarded.
Emerson is involved in many aerospace, defense and commercial
projects: Therma-loc (heat shield for rockets and satellites), Space
radar, Hewitt John, Infrared reconnaissance systems, Lasers,
aerospace ground support equipment, automatic programmers
and escalators, and adaptive control systems are some of the
space and military projects. In the commercial area advanced
research is being done in electric motors, lighting, heating, cooling
and ventilating products. Emerson's living effects laboratory
has achieved national recognition.
This is encouraged at Emerson. Facilities are made available to
engineers with ideas. Emerson's sales staff sells whatever goods
are developed by the engineering staff. At Emerson you follow
your originated ideas through to finish.
Too much to cover here, but Emerson ranks at the top in both of these
categories. Specific information available at interview.
Though Emerson is strong in both aerospace and defense pro-
jects, the company is fully involved in diversified commercial and
consumer products. Emerson is a leader in such products as lighting,
heating, cooling and industrial electronics.
Emerson was founded in 1890. It has a stature that age can bring.
But it also has a youthful vitality, vigorous and aggressive—
without rigid or restrictive operating procedures.
Emerson is located in suburban St. Louis, offering easy access
to many housing developments, shopping areas, expressways and
recreation. St. Louis itself offers top sports and cultural facilities,
as well as a relatively low cost of living.

If unable to arrange
interview at this time, come to:
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Emerson Electric Co.,
7100 West Florissant,
St. Louis, Mo.

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ON NOVEMBER 2, 1972

Ask your placement office for location of interview.

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commercial

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ELECTRIC

EMERSON

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commercial

industrial

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NOVEMBER 2, 1972

For more information regarding Field Service Engineering opportunities
with AC, send this form to:
Mr. G. F. Raasch, Director of Scientific and Professional Employment,
Dept. 2721, AC Spark Plug Division, General Motors Corporation,
Shoulder, Wisconsin.

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EMERSON
Folk Song Society To Plan Seminars

The Folk Song Society met for the first time last Thursday evening. More than forty people attended. At a short business meeting, the goals toward which the Society will strive were discussed, and the proposed constitution was adopted. Dues were set at one dollar per term.

The Society intends to collect a library of records, books, and magazines, for the enjoyment and instruction of its members. It will arrange seminars in guitar and banjo picking. In addition to presenting concerts by the well-known folk musicians, it hopes to provide for a receptive audience to local performers whose fame might not be so widespread, but whose music is certainly worthy of hearing. The Folk Song Society plans to hold frequent hootenannies to enjoy the old favorites, swap songs with each other, and learn a few new ones.

At the hoot which followed the meeting, about a dozen guitars, three or four banjos (one enterprising fellow even built his own banjo), and forty voices kept the Burton House 410 Lounge ringing with song for hours. The next meeting/hoot will be on Sunday, October 28, at 8:30 p.m., again in the Burton 410 Lounge. Anyone even slightly interested in folk music is invited to attend.

VITALIS® KEEPS YOUR HAIR NEAT ALL DAY WITHOUT GREASE!
Greatest discovery since the comb! Vitalis with V-7®, the greaseless grooming discovery. Keeps your hair neat all day without grease—and prevents dryness, too. Try Vitalis today.
Fjils, SAE Reach Semi-Final Mark in Intramural Tennis Competition

In four matches played this past week, the intramural tennis tournament approached its closing rounds. Sigma Alpha Epsilon joined Phi Gamma Delta in the semi-final round, with the other semi-finalists to be determined in matches played in the next few days.

East Campus, last year's champion, started the week's play with a 5-4 sweep over Tau Epsilon Phi. However, Saturday, October 14, the former champs were decisively upset, 6-4 by SAE. SAE's victory over EC placed them in the semi-finals, and set them up as an important threat in the tourney.

In two first-round matches, played on Wednesday and Thursday, October 16 and 18, Baker A and Baker B won respective 6-1 and 5-2 matches over Club Latino and Phi Sigma Kappa. Baker B will next play Sigma Phi Epsilon for the right to oppose SAE, and Baker A must win its second-round match in order to be paired against PGC in the other half of the semi-final bracket.

Weather permitting, these last few matches will be played during the coming week, and a tournament champion will be decided by Sunday, October 21.

Cagers Begin Practice, 3 Starters Back

MIT's varsity basketball team, with three returning starters, began this week in preparation for the season's opener. The varsity coach, Jack Barry, is now in his fourth year at MIT and last season was adopted New England Coach of the Year. The team is looking forward to possibly exceeding the 15 game win streak, currently third longest in the collegiate ranks. Co-Captain Jeff Paars '63 averaged 13.0 points per game last season, and is an excellent center man. Paars shot the winning basket in Tech's 72-71 double-overtime win over New Hampshire last January.

Cagers Begin Practice

By J. M. Blose III

Three Juniors Return

All the graduated trio of Dave Koch, Chuck Gamble, and Tom Burns will undoubtedly be missed, much of the slack shall be taken up by three junior veterans.

Bill Eagleston '64, 6'4" center, and of the returning nucleus averaged 13.0 points per game last year and led the team in rebounding. Jack Miller '63 (6'8") and Don Alusic (6'1") are only limited action in '61-'62, but will be counted on heavily by Coach Barry this season.

Front To Start New 1

While perhaps overshadowed a bit by the spectacular varsity last year's freshmen compiled a fine 8-5 record. Freshmen coach Singal announces that freemali practices will begin November 1st, starting at 5:00 p.m. in the Armory. At least three of last season's freshmen backcourt men should win varsity berths: Bob Good led freshmen with a 20.4 average, including a 40 point performance against Tufts. Tim Yim and Perry Seale also show potential.

Front court support will be provided by Sege George McQuilken (6'4") and John Ramsey (6'5"").

Schedule To Be Announced

Next week's THE TECH announce the schedule of varsity pre-season exhibition games.
Fed up with a profusion of promises?

If the thought has crossed your mind that there's too much of a good thing going around for engineering students lately, we don't blame you. We are making no exaggerated promises. In fact, we are looking to you and to other engineering students for promise to bring to us. There's a switch!

History's second most significant Noah defines promise as, "Ground for hope, expectation, or assurance from another, of eventual success." Since we are dedicated to the propagation of complete success in all our endeavors,ussed and the less eventual," the better—we are looking for men of promise.

What's up at Hamilton Standard? In brief, a diversification program that includes design and development of propulsion controls, life support systems, other environmental control systems, electron beam, automatic stabilization systems, propellers, and ground support equipment.

A Hamilton Standard college personnel representative will be on campus soon. He'll be glad to answer your questions, and to take your application for a position if you decide you like what you've learned about us.

THE DATE: November 7, 1962
Feb. 19, 1963
Aasna Takes Net Title, MIT Second In Tourney

By John Kotfas

Best Aasna, 196, topped Harvard, 6-2, on Saturday in a three set match Thursday to become the league division of the Eastern Col- lege Athletic Conference Singles Tournament. Tech played second in the league division.

Aasna Defeats Sullivan

Aasna meets Chauncy Steele III of Harvard for the first and final league singles final. The bad weather expected to continue on Saturday in the conference rounds, but did not affect Aasna's play. The score was 6-4, 6-4, in the final. Aasna's opponent was a true last minute substitute on the Tech courts. The players were playing their first two sets, Aasna winning the first and second sets 6-2 and 6-4. Aasna was taking the second, 6-4. In their third set, Aasna came back to win the match and the championship, 6-1, 6-4.

In the doubles finals, Tech and Harvard met again. However, the Harvard team won both matches, 6-2 and 6-2. Aasna had three failures in the conference rounds, but did not affect Aasna's play. The score was 6-4, 6-4, in the first match, Aasna winning the second set 6-4. Aasna had three failures in the conference rounds, but did not affect Aasna's play. The score was 6-4, 6-4, in the first match, Aasna winning the second set 6-4. Aasna was defeated by Wessell and Strong, slipped away to a 1-6, 6-1, lead and never recovered. Aasna's opponent was a true last minute substitute on the Tech courts. The players were playing their first two sets, Aasna winning the first and second sets 6-2 and 6-4. Aasna was taking the second, 6-4. In their third set, Aasna came back to win the match and the championship, 6-1, 6-4.

Tusts' Goalkee Prevents Romp

Soccermen Edge Tufts 1-0, Meet Amherst Saturday

By Neil Harvey

MIT's soccer team maintained its winning streak last week by downing a strong Tufts team, 1-0, to clinch a home field. The Engi- neers' lone goal was scored against the Blue in the first period by Jim Hames, '62, during a Jones assist. The Tufts goal was scored against our penalty area, and goalie Peter Swidan, '63, stopped the shot. The only serious drive on our goal came in the third period before our backfield caught the ball.

Tufts' Goalkee Prevents Romp

This was the third goal in as many games for Tufts who now leads the MIT scoring. He is led by Bob Mckown, '49, who has two goals for the season. The home game of the leading scoring player, 71-56, New England last year with a season total of 13.

Thursday, the Engineers traveled to W.P.I. and took their second game by a score of 6-2. Tufts and Mckown shared the scoring honors with two each.

Trinity Game Cancelled

The game slated with Trinity for a week ago last Saturday was rained out and the two teams will not meet this year due to re- scheduling difficulties.

Yesterday, the Techmen met on their home field and will journey to Amherst this Sat- urday. The Engineers scored a 4-3 upset over Amherst last year and hope to make this a repeat performance.

S AF Win M Football TitleBetas, DU, Lambda Chi, 49-7

By Ken Schossman '64

League championships are de- cided by a system of winners in team eligibility for hard-hitting M football teams. The season is over and the next year's champions are in sight. Betas, DU, and Lambda Chi were the victors of the 1964 season.

Cross - Country Squad Falls To Springfield; Frosh Run Strongly

By Mike Oliver

MIT's varsity cross country num- bers fell to Springfield and William by a score of 30-0 on Saturday in a dual meet. Tech was also defeated by Springfield in the first meet 7-1.

Cross - Country Squad Falls To Springfield; Frosh Run Strongly

MIT was defeated by Springfield, 30-0, on Saturday in a dual meet. Tech was also defeated by Springfield in the first meet 7-1.

Fiji's Lead IM Sailing, NA Races End

By Steve Bany,"63, Student Editor

The Theta Delta Chi's, Terry Chabbin '63, headed toward goal line as Sigma Phi Epsilon defenders Mike Ramsey '64 and Steve Bebinger '64, right, attempt to block the shot. Theta Delta Chi's Bill Van Alstyne, place- keeper, looked to have a solid shut down, but the Theta Delta Chi's lead was almost cut in half, when the ball was deflected by Steve, '63, only stopped 5 yards out. The only serious drive on our goal came in the third period before our backfield caught the ball.

Franklin Bany, "63, Student Editor

By Steve Bany,"63, Student Editor

Betas, Du, Lambda Chi, Eta Kappa, Sigma Phi Epsilon, and Theta Delta Chi, won the league division of the Eastern Col- lege Athletic Conference (E.C.A.C.) Championships. Theta Delta Chi's Terry Chabbin '63, headed toward goal line as Sigma Phi Epsilon defenders Mike Ramsey '64 and Steve Bebinger '64, right, attempt to block the shot. Theta Delta Chi's Bill Van Alstyne, place- keeper, looked to have a solid shut down, but the Theta Delta Chi's lead was almost cut in half, when the ball was deflected by Steve, '63, only stopped 5 yards out. The only serious drive on our goal came in the third period before our backfield caught the ball.