

EC Dissatisfied With Prexy Black Market on Options Revealed; Constitution Change Likely JP Heads Mum on Questioned Sales

by Carl Wunsch, '62

It has become apparent this week that there is growing dissatisfaction among East Campus residents and members of the House Committee with the Presidency of Terry Welch, '60. Feeling on the matter has become so intense that an attempt may be made to amend the East Campus Constitution so as to permit Welch's ouster through impeachment. Failing this, it is hoped that he may be forced to resign through a general expression of no-confidence.

Non-Practice of Office Cited

Displeasure with Welch has generally centered not around accusations of malpractice, but rather as one observer put it, "nonpractice of office." It is alleged that far from having accomplished anything notably constructive in his term of office, he has on the contrary, successfully stifled whatever initiative existed in the dormitory. One EC resident stated that "Welch is entirely negative. He never initiates or ever makes any effort at real leadership. It is almost impossible to visualize Welch doing as (Al) Krigman (Senior House President) did in leading a group of Senior House residents off to the Casino." Many think that he has shown no real interest in the office, refusing to make necessary sacrifices for the good of the dorm. Dave Bedford, '62, Lounge Chairman, remarked, "He should have run for office with more ideas than just getting his name posted on the plaque."

"Little EC Social Life"

Residents believe the almost complete lack of organized social life in East Campus is symptomatic of the President's clinging to the idea that residents of East Campus are complete isolationists and that East Campus is their haven. Bill Hale, '60, EC treasurer, admitted that, "many dormitory functions have been put on without Welch's being aware of them until after the fact. Rather than wasting energy trying to convince him of something he never would believe in, other house officers have acted in his stead." The former Inscomm Judicial Chairman, Gene Zoba, '59, said he felt "Welch has in effect been depriving EC residents of their own money in being so tight with the House tax funds."

Dormcon Controversy

A major conflict has arisen around Welch concerning the Dormitory Council. It is well known that Welch believes the Council to be a total waste of time and that he already has attended meetings, a fact for which he was censured by Dormcon. (Welch did not attend the Dormcon meeting called for last Thursday night. Ray Johnson, EC Dormcon representative reported that Welch had a lab report due the next day and could not make it to the meeting.) At the House Committee session last Wednesday night, Welch and Johnson reported they would vote against the Constitution without specifying their reasons other than that Welch felt Krigman was running the Council. Johnson added he expected they would lose 6 to 2.

The movement to oust Welch has been kept quiet by its leaders for two main reasons. One, to preserve whatever fragments of EC prestige remain of campus, and two, to prevent the growing antipathy between two hostile camps to entirely paralyze the dorm government.

In reply to the above charges Welch would say only that, "I think that ouster sentiments are held by at most ten people. I think the charges are silly."

There is the possibility of a showdown this week during the House Committee meeting called to instruct the Dormcon delegates on the vote on the Constitution. Proponents of the Constitution have said that even if they lose, EC will be represented at Thursday night's meeting of Inscomm by persons speaking in favor of the Constitution. This would be to show that Welch's position is not representative of the entire East Campus resident body.

While numbers of dormitory men were left holding two dollars and no JP options, social chairmen of several fraternities negotiated with members of the Junior Prom Committee to buy more than 50 options — strictly under the table. Over 20 options were sold late Wednesday night.

Committee Chairman Hank Schleinitz and Committee Member John Disbrow called on several fraternity houses late Wednesday night after more than 400 options had been sold on the first day of option sales. These committee members sold options to the houses contacted without checking for junior registration cards. Schleinitz, when asked whether any options had been sold on

Wednesday night, not in Building 10", replied, "I would rather not answer that question."

More of the elusive options disappeared when Pete Burleson also a member of the committee, picked up 30 options for his fraternity. When asked whether he produced 30 Junior registration cards, he replied, "I would rather not comment on that question." There are now 600 options out — and the committee has no listings of the purchasers' living groups. The capacity of the Hotel Statler's Grand Ballroom is 600 couples, which includes more than 40 guests. Schleinitz said that he expected that nearly all of the options would be redeemed.

At present there are no official arrangements for tables. The tables will be assigned to the groups who have arranged among themselves to close tables by the raffle November 2. The committee has announced that all tables must be closed by November 2.

JP Committee has also announced that all options must be redeemed between 9:00 A.M. on Wednesday, October 21 and Friday, 5:00 P.M., October 23. If any options are not redeemed, and there is still room for more after the committee and the guests are taken care of, tickets will be sold to those on the waiting list on Monday, October 26, until the capacity of the Grand Ballroom is filled.

See Editorial Page 2

The options entitle the bearer to either a table assignment for Friday night and a ticket for JP Saturday night, or just a Friday night table assignment. An option does not entitle the holder to only a Saturday night ticket. Tickets for the Saturday night Kingston Trio performance in the Armory are expected to be at a premium within minutes of the opening of ticket sales on October 28.

Fraternities Fined

IFC Considers Violations

Investigations Committee of IFC reported action taken on three Rush Week violations at IFC meeting last week. Punishment and identity of one house was released at the meeting.

The three forms of penalties are censure, monetary fine and publication within IFC. Joe Verdeber, '60, IFC President, stated that publication to the IFC was very separate and distinct from publication to the MIT community.

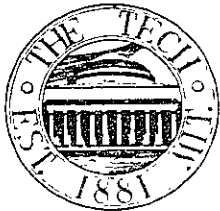
See Editorial Page 2

Punishment of one house was a closed decision of the Investigating Committee according to Ken Richardson, '60, chairman, and the house's identity was not released even to the IFC.

Possible punishment of the third house involves notification of its identity to the IFC but as the house is appealing the decision, name of this fraternity was not revealed at the meeting.

Verdeber stated that although the meeting was open to any member of the IFC, as none of the houses were given a punishment of general publication, no mention of the house or the specific penalty could be released by the IFC.

The Tech



NEWSPAPER OF THE UNDERGRADUATES OF THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY

VOL. LXXIX No. 33 CAMBRIDGE, MASSACHUSETTS, TUESDAY, OCTOBER 20, 1959 5 Cents

Tech Flying Club President Quits; Finances Questioned

The president of the Tech Flying Club, Bob Hudock, '60, has resigned in the face of heavy criticism of the club's organization. Among the charges levelled were claims that the club members were inadequately insured, and that the club was being used as a source of personal profit by Hudock.

The basic charge, which led directly to Hudock's resignation, involved his own participation in both the club and the ownership of the aircraft. Tech Flying Club leases its two airplanes from a private corporation, named "General Aeronautics and Astronautics Corp." Investigation showed that this corporation listed as its sole incorporators and first directors Bob Hudock himself, with his relatives.

Charter Showed Connections

This fact was learned by Charles Livingston, '60, president of the rival Aero-Tech Flying Club. He obtained a copy of the charter from the State of Pennsylvania showing Hudock's connection with the leasing corporation. Livingston presented this fact as evidence that the profits after club expenses were going to Hudock as personal gain.

Hudock denied this charge, stating that the leasing arrangement was similar to that of many other clubs, who leased planes from private renting companies; that the corporation was open to anyone who wished to buy stock; and that he was realizing no gain from this arrangement. However, he resigned both as officer and club member Sunday night, giving as his reason his

wish to sever all legal connections between the club and the corporation. He will formally announce his resignation tonight, staying on only as temporary liaison until new officers work into the organization.

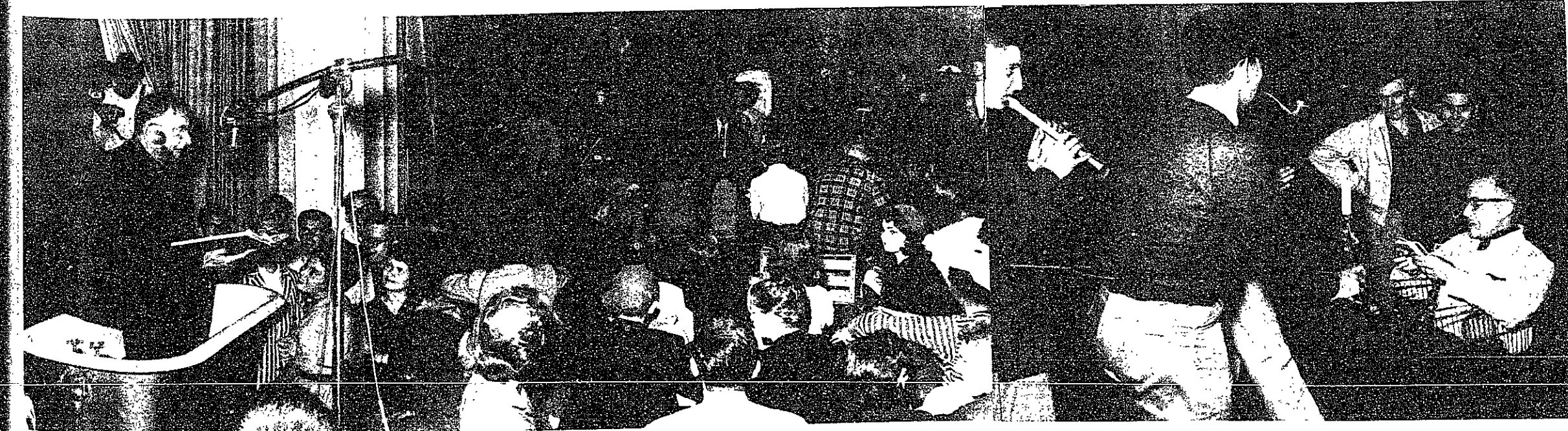
Pilots Not Insured

It was further charged by Livingston that club members were inadequately insured. Comparison of policies showed that, while Tech Flying Club had a higher aggregate liability coverage than Aero-Tech, the individual pilots, that is, the student members of the club, were not protected at all. It may be noted that the Institute is presently attempting to clarify the liability coverages of student activities. At a recent Activities Development Board meeting, one of the problems considered was whether a student, injured in an Institute activity and not covered by insurance, could bring a suit against the Institute.

Misrepresentation Charged

Livingston, together with Bill Widnall, '59, further claimed that the Tech Flying Club had misrepresented the club to various student government groups. In particular, he noted that, while the club was not granted tentative class B activity status until October 7th of this year, it had previously made use of the Activities Midway, the Social Beaver, and Institute rooms for meetings. Hudock stated that he had informed Activities Council president Tom Farquhar, '60, prior to any of these moves, and that Farquhar had approved them on the understanding that the Tech Flying Club was soon to become an official activity.

Beatnik Blast Overflows Walker; Guitars and Ginsberg Flourish at Weekend Affair



Nearly a thousand students of the Boston area attended Walker-Staff's Beatnik Acquaintance Dance last Saturday night. Turtle-necked sweaters and pseudo-beards were predominant and beatniks read poetry from a gold bathtub. Professor William Greene read a poem of his own composition which will be printed in full in Friday's THE TECH.

JP Committee: A Public Office is a Public Trust

When we first became aware of the confusion surrounding the activities of the Junior Prom Committee, we were inclined to view the situation with some sympathy. There are many large problems involved in the planning of a JP, as any previous committee member will testify. Consequently, the mix-up over Saturday night and the lateness in obtaining a band and a ballroom could be overlooked.

Now, however, the situation has changed. There seems to be every indication of malfeasance on the part of this year's committee. The selling of six hundred options when only five hundred and fifty couples can be accommodated in the Statler and the absence of records of purchasers indicates lack of planning and judgment. Moreover, the action of several members of the committee in taking tickets for their own and other fraternities in advance of general sales to the student body is a dishonest misuse of office and cannot be condoned. Members of the JP Committee are not only expected to provide a good prom for members of their class, but to provide a fair and equitable distribution of tickets to the entire undergraduate body.

We believe that those holding options would like to know why the committee sold more than could possibly be honored. We believe that dormitory residents without options and those fraternity men who were not fortunate enough to have a brother on the committee or to be personally visited by committee members would like to know why such partiality was exhibited. Such irresponsible actions can only lead to increased animosity between dormitory and fraternity residents, to the detriment of MIT as a whole.

The only honorable action now open to the JP Committee is to immediately redeem all outstanding options and resell them on a fair and unbiased basis. Failure to do this, or to provide some adequate explanation, would leave us with only one course: to demand the resignation of the offending committee members and of the President of the Junior Class, who as chairman of the committee is responsible for its individual and collective actions.

Sheltering the Greeks

Justice has been brought to bear upon members of the fraternity system who violated their rushing privileges this fall. Several houses have been fined or otherwise punished for dirty rushing. We can say no more; our lips are sealed by an IFC Investigations Committee by-law which does not permit publication of rushing violations outside the fraternity system.

Everybody within this system does know, however. The name of one house and the fine imposed were announced at the last IFC meeting.

The Inter-Fraternity Conference has a perfect right to handle its own judicial matters and, if they choose, to keep the penalties private. The decisions at the last meeting fulfilled one class of penalties which are for publication to fraternity men only; another stiffer group of penalties could open the violations for general publication, but this is not used in instances of rushing malpractices.

We feel, however, that this partial publication is nothing but a hypocritical gesture that opens the fraternity system to criticism, something no fraternity system needs in the light of the past few years happenings on a national level. In effect it admits faulty integrity on the part of some members of IFC, but admits it only to the IFC; errors in honesty and judgment are hidden from the outside world. General publication would certainly bring some condemnation and finger shaking; but the guilty just as certainly warrant this adverse criticism. No judicial system in this country will reveal its decisions to a certain select group alone and to no one else. To tell only its own members of crime and punishment in fraternities implies that this IFC is trying to present a falsely cleaned slate to the public, trying to hide its members' errors from outside analysis and comment.

Any group which uses this shallow disguise is in a vulnerable position. We strongly advise the IFC to be more realistic. Should they remove this repugnant aura of a shielded ingrown group, every house would feel that a violation of honest practices would not only hamper their status among other fraternities, but also be detrimental to the reputation of the fraternity system as a whole.

* * * * *

While on the topic of rushing violations, we must also comment on the nature of the penalties now in vogue. At least one house, with a serious violation on its hands, was let off with a nominal monetary fine and the above mentioned "publication to fraternities only".

Penalties have but one purpose: to discourage violations. Nominal amounts of money mean nothing if a house stands to gain one more man who will pay over \$100 every month

and who, as a marginal expense, costs the house very little. The moral stigma of being caught is deadened because of publication procedures; a great percentage of the violators will never be known outside of the Investigations Committee. In the life and death struggle of rushing the risk involved which may net another man must look quite small to a panic stricken house. That this is true is made evident by the fact that every year houses do flagrantly break the rules.

We suggest that the IFC put some long needed teeth into their punishments. To our knowledge, the withdrawal of future rushing privileges was not invoked this year; this is one of the most frightening and powerful penalties and should be invoked more often. Monetary fines must be large enough to be noticed; anything under \$300 is too small to bother with.

MIT has a fine fraternity system and an excellent IFC; we hope this group will recognize the specific weaknesses which we have pointed out and will adopt new philosophies and penalties in the treatment of its judicial procedures.

Discipline Revealed

At last Friday's press conference, Dean Rule announced that four MIT students who were apprehended stealing telephone headsets by civil authorities have been placed on probation, both by the school and by the civil courts.

We believe that publication of such action, which has not been the practice in the past, is a good idea; it can do no harm and also creates a broader awareness of the actions of students and disciplinary procedures. We respect the Dean's office for its decision to change this aspect of punitive operation.

This case was also well handled; it received consideration from both student leaders and administrative and faculty members. We hope future cases of this nature will receive the same type of heterogeneous consideration.

As Dean Rule has always emphasized, every case must be handled individually. Several issues ago we suggested an area of discipline between probation and expulsion. Although probation, which here means talking with Dean Spear at frequent intervals, was used alone in this case, we concur that it is probably sufficient since the violators are also involved in courtroom proceedings (The case has been continued until May 7th).

We hope that consideration of disciplinary action will continue. With both administration and students participating in discussions of this touchy matter, a more effective means of handling misdemeanors cannot help but evolve. Evidence of positive development has been clearly shown by the treatment of this most recent case.

The Tech

Entered as second class matter at the post office at Boston, Massachusetts. Published every Tuesday and Friday during the college year, except college vacations, by THE TECH - Walker Memorial, Cambridge 39, Mass. Telephones TRowbridge 6-5855-6 or UNIVERSITY 4-6900, Ext. 2731. Twenty-four hour answering service: TR 6-5855.

VOL. LXXIX October 20, 1959 NO. 33

Kenneth F. Reinschmidt '60 Chairman
John B. Stevenson '60 Managing Editor
Peter M. Silverberg '60 Business Manager
David W. Packer '59 Editor
Linda H. Greiner '60 News Editor
Abraham Feinberg '60 Sports Editor

Stewart Wade Wilson '59 Associate Editor
Henry N. McCarl '62 Associate Managing Editor
Barry Roach '62 Associate News Director
Jeffery I. Steinfeld '62 Associate News Director
Leonard R. Tenner '60 Associate Sports Director
Robert N. Gurnitz '60 Associate Sports Director
Brian Strong '62 Circulation Manager
Charles Muntz '62 Advertising Manager
Deloss S. Brown '62 Editorial Assistant
Hans C. Andersen '62 Treasurer

MANAGING BOARD

Gerald Winston '62

NEWS BOARD

Fred Jancewicz '61 Dave Vilkomerson '62

SPORTS BOARD

Gerald H. Katz '60 Assistant
W. Thomas Brydges, III '62 Assistant
Paul T. Robertson '61 Donald E. Nelsen '61
Archie C. Thomas, Jr. '62

EDITORIAL BOARD

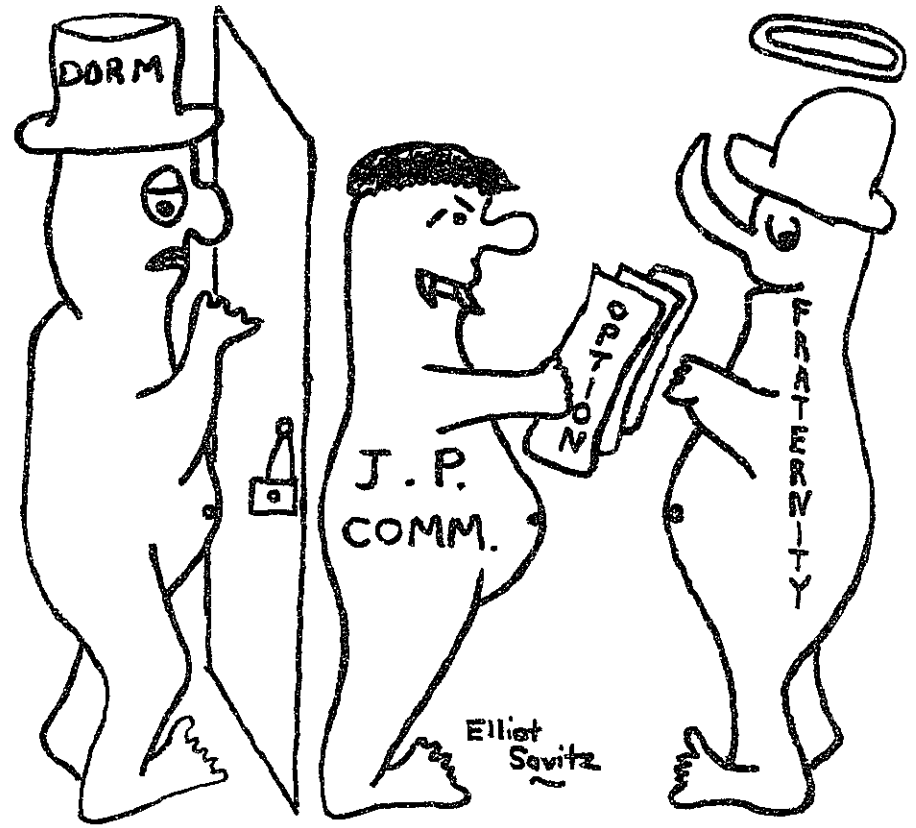
Jean Pierre Frankenhuis '61 Henry Okun '60
Carl V. Swanson '60 Larry M. Ayres '61
James R. Chalfant '60 David N. Ness '61

BUSINESS BOARD

Dennis Kelly '60 John Epstein '61

STAFF CANDIDATES

Steve Shimberg '60 John McDonald '63
Bill Mihaltsz '62 Al Marty '63
Karen Affeldt '63 Jim Pearce '63
Tony Aponick '63 Howard Pielot '63
Ronald Baecker '63 Jim Reisa '63
John Barnard '63 Steve Raphael '63
O. J. Birkeland '63 Jay Salmon '63
Thomas Bogan '63 Elliot Savitz '63
Fred Delse '63 S. Soo '63
Dan DeMatteis '63 John Scott '63
James Dorr '63 Charles Selvidge '63
Tony Dralle '63 Marvin Singer '63
Herbert Eagle '63 Bill Smith '63
Alan Egelston '63 Art Stanchina '63
Gerry Glaser '63 Mel Stavin '63
Daniel Gross '63 Barton Weitz '63
Joe Hanlon '63 Jerome Winston '62
Tom Lewis '63 Toby Zidle '63
Dick Marsh '63 Steve Zilles '63



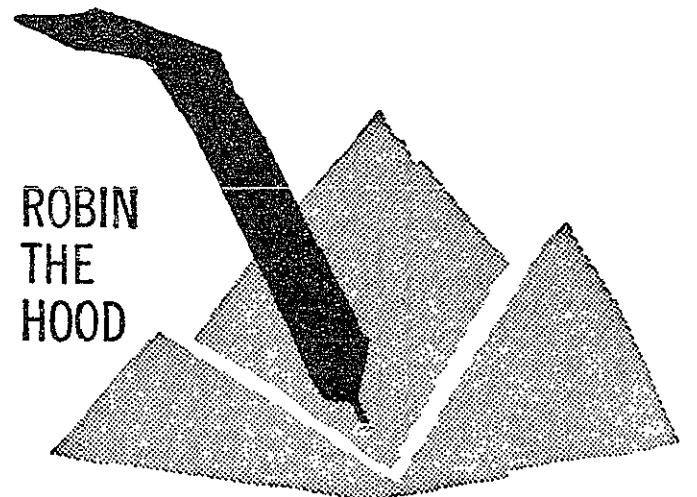
BRATTLE THEATRE
Harvard Square
HELD OVER!
Through October 24
— HE WHO MUST DIE —
5:30 7:30 9:30
Guitar Lessons, Folk, Flamenco, Blues, Finger Picking. Beginners & Advanced. Rolf Cahn
HU 2-1827

G. L. FROST CO., INC.

AUTOMOBILE BODY REPAIRING & REFINISHING

E. W. PERKINS
Tel. ELiot 4-9100

31 LANSDOWNE STREET
CAMBRIDGE, MASS.



"What are you doing in my turf, Hood?" The King snarled, flicking ashes off his blue pin-stripe.

"Just a social call," Robin the Hood smiled thinly, "unless it was you who put the heist on Moll Marian?" He pulled his slouch hat low over one cold eye.

The King licked his fat lips. "I ain't seen the dame, honest," he laughed nervously. "Look, why don't you and your boys relax and drink a can of Schaefer with me? They say it's got a smooth round taste—never sharp, never flat."

Fire Truck grabbed an empty Schaefer can from in front of The King and crumpled it with one hand. "You want I should lean on him a little, Boss?"

"Not yet," Robin the Hood said, speaking out of the corner of his mouth. He put his hunting horn to his lips and blew the notes of "What d'ya hear in the best of circles?" From somewhere in the castle a girl's voice answered, "Schaefer all around."

"I get heem now, eh, Boss?" Little Juan hissed. The King made a lightning move for his shoulder cross-bow, but Robin beat him to the draw. "Suppose you bring Moll Marian out?" he said softly.

"Sure, Hood, sure—it was only a little joke."

"Any more jokes like that, King," Robin the Hood said, "and you might find yourself in need of a little castle protection." He watched Fire Truck and Little Juan put Moll Marian and The King's Schaefer in the back of the black limousine, then he got in himself. "Sherwood Forest, boys," he smiled, fingering the knot in his white tie, "and step on it."



THE F. & M. SCHAEFER BREWING CO., NEW YORK and ALBANY, N. Y.

SPACE, MISSILE & JET PROJECTS AT DOUGLAS

*have created outstanding
career opportunities for*

SCIENTISTS and ENGINEERS

with or working on advanced degrees

Assignments include the following areas:

Heat Transfer—relating to missile and space vehicle structures

Servo-Mechanisms—relating to all types of control problems

Electronic Systems—relating to all types of guidance, detection, control and communications

Propulsion—relating to fluid-mechanics, thermodynamics, dynamics, internal aerodynamics

Environmental—relating to air conditioning, pressurization and oxygen systems

Structures—relating to cyclic loads, temperature effects, and the investigation of new materials, methods, products, etc.

Aerodynamics—relating to wind tunnel, research, stability and control

Solid State Physics—relating to metal surfaces and fatigue

Space vehicle and weapon system studies—of all types, involving a vast range of scientific and engineering skills

Get full information at

PERSONAL ON CAMPUS INTERVIEWS

Wed. & Thurs., Nov. 4 & 5

We urge you to make an appointment to meet our representative through your placement office. If you cannot do so, please write to

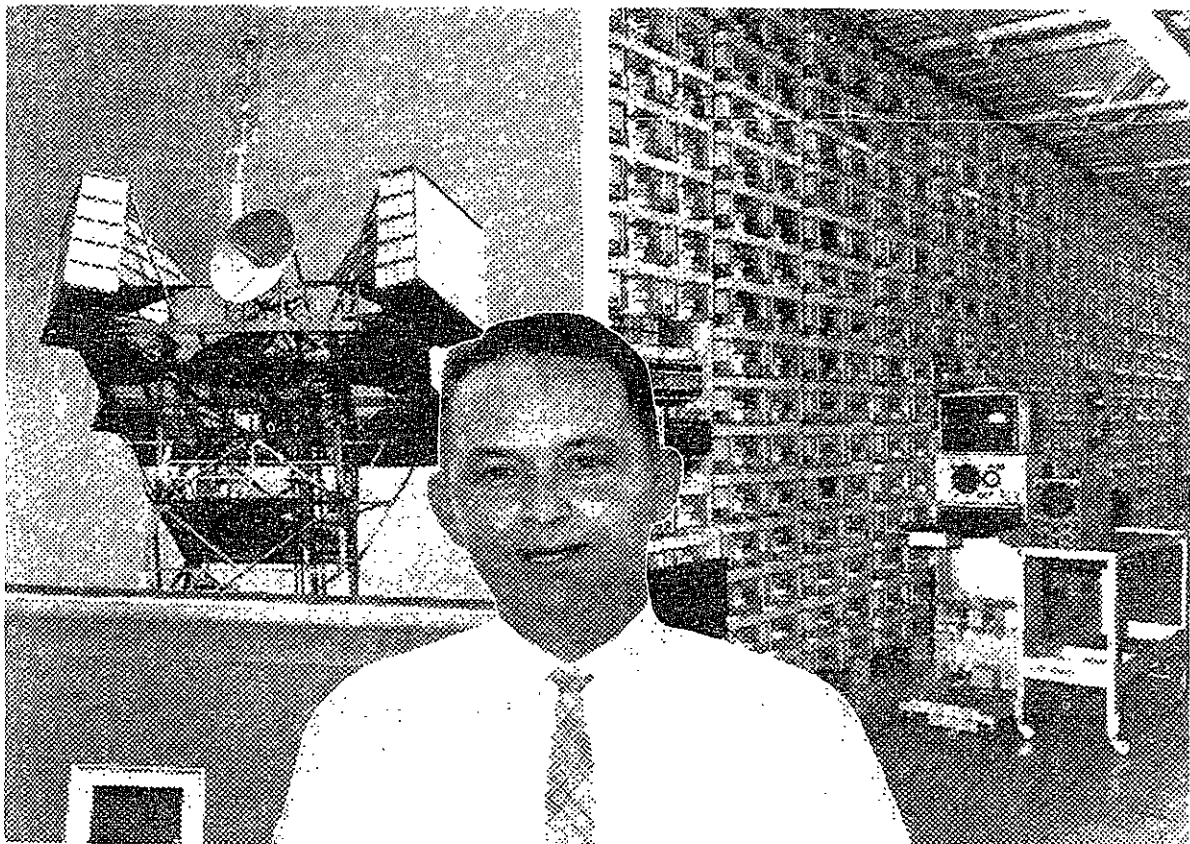
C. C. LaVene

Staff Assistant to VP Engineering

DOUGLAS AIRCRAFT COMPANY, INC.

3000 Ocean Park Blvd., Santa Monica, California

A Campus-to-Career Case History



Engineering of microwave relay and carrier systems keeps Bryan Clinton's job interesting and challenging.

**"I got the engineering career I wanted
...and right in my own home state"**

In 1955, William Bryan Clinton, Jr., got his B.S. in Mechanical Engineering at Clemson College. Now Bryan's with Southern Bell Telephone and Telegraph Company at Columbia, South Carolina. He's doing specific planning of long distance communications projects involving cable carrier facilities and microwave radio relay systems.

Bryan chose a career with Southern Bell over several other offers. "There were three things that were most important to me," he says. "First, I wanted to go with an established, growing company where I could grow, too. Second, I wanted thorough basic training to get started off right, plus participation in development programs to keep me moving ahead. And, third, I wanted to stay in the South."

After 15 months of on-the-job training in various phases of company operations, Bryan was assigned to the Engineering Department at Columbia, S. C. His work with carrier systems and microwave radio projects has involved him directly in the growth of the company. And he's broadened his experience through development courses in management, general engineering, engineering economy, and microwave relay systems.

"I know I'm with a fast-growing company and I feel I'm really participating in its growth," Bryan says. "What's more, I'm getting the training I need to keep me abreast of new communications developments and take better advantage of advancement opportunities when they come along."

Bryan Clinton earned a B.S. degree in Mechanical Engineering. He's one of many young college men pursuing rewarding careers with the Bell Telephone Companies. Find out about opportunities for you. Talk with the Bell interviewer when he visits your campus—and read the Bell Telephone booklet on file in your Placement Office.



Surprise Entry Possible

JP Queen Contest On

JP Queen contest nominations already well under way, the Public Relations Committee urges that Juniors take notice of the following. ANY Junior may enter his date in the nominations by obtaining a nomination blank in Building 10 and bringing it with a 4 x 5 portrait to the Litchfield Lounge before Friday, October 23 at 5:00. These photos may be larger, but must be of studio portrait type.

The actual contest will be run from October 26 through October 30 and the entire student body will have the opportunity to elect five finalists. The Queen to reign over the JP weekend's festivities will then be selected from these finalists by the JP committee. Details of the contest are being handled by Dave Stare, '62.

And a word from a very reliable source — watch for a startling entry. Contest rules state any date of a junior (male or female) may be entered.

Twelve Russians to Visit MIT At Their Request Next Month

Twelve Russian students will visit the Institute during the first week of November. This visit is a specific request on their part; when arrangements were made for their U. S. tour, they asked to see MIT. This request will be met, as far as security precautions will allow.

While they are in the Boston area, the Russians will be guests of the Crimson Key, a Harvard student group. Beaver Key, the Junior Honorary Society, will take charge of them when they are at the Institute, which will be on either Monday, November 2nd, or Tuesday, November 3rd. Besides the tour, a luncheon at Graduate House has been planned for them.

Beaver Key has no information at present as to the nature of the visitors, other than that they are connected with some phase of student activity in the Soviet Union. Accordingly, it has not yet been decided whether they will meet mostly with students or with faculty; this will be decided on when the age and interests of the visitors is determined. The last time that MIT played host to Russian visitors, in the Spring of 1958, a group of student editors was expected; the individuals who came, however, were by no means students. They averaged thirty years in age and were professional editors of publications for students.

The Tech to occupy Third Floor

Activities Plan Moves in Walker

A wholesale move of organizations in Walker Memorial is in the wind, depending upon Institute approval.

Present plans call for the Tech to occupy the area on the second floor now being used by TCA, which will move into Tyler Lounge, previously occupied by the Athletic Association. The AA has already moved to the new David Flett DuPont Athletic Center. Upon vacation of the Tech offices, the Tech Show will move in, as will Alpha Phi Omega and the Lecture Series Committee. LSC, however, will keep its present offices as a work area.

Dean R. J. Holden, holder of a second floor office, will move into an Institute office. The Debate and Finance Committee will share the Finance Committee's present offices while the Tech Show office will be used as office space for temporary committees.

The date of the proposed change has not been set, pending Institute approval of the plans.

Senior House Holds Pep Rally

The football team of Senior House and supporters held a pep rally on Saturday before the big game against Phi Mu Delta.

The rally started at midnight when the footballers, winded after a bull session, started a bon fire to pep up their spirits. Gathering supporters, they made their way to the Great Court by President Stratton's house and made a fire with the fallen leaves. Residents in Holman, Runkle, Atkinson, and Ware, aroused by their revelries, shouted encouragement. Combustible material to reinforce the fire rained down from all floors and raids were made everywhere for further fuel. One unfortunate resident of Runkle was mistaken as a log and was nearly thrown into the fire.

One inebriated resident of Runkle awoke and climbed onto his window ledge for a better view, hurling imprecations all the time. Fearing that he might fall off and break his neck, a football hero broke into his room and strapped him down for the night. At long last the Stratton household was aroused and Miss Laurie Stratton put in a call for the MIT Security Police. At the sight of the dark blue figure striding up the walk, the heroes broke from the camp fire and ran for shelter within their room. The fire smoldered in the dark and was finally put out with a water balloon at one thirty a.m.

Senior House won the game on Sunday 14-6.

Come In And Pick Up Your

Special 10% Discount Card

Now Available To All MIT Students

In Our New Men's Furnishings Department

Come In And Look At Our

Advance Styles In . . .

Sweaters — Slacks — Shirts — Ties — Etc.

In Both Ivy And Continental Styles

Introductory Special

Continental Slacks — \$5.95

Brookline Formal and Leisure Wear

392 Harvard Street, Brookline

Tel. ASpinwall 7-1312

Open Monday, Tuesday & Thursday Until 8 P.M.

General to Speak Kelsey is MIT Grad, Veteran Aviator

Brig. Gen. Benjamin S. Kelsey, '28, USAF (retired) has been appointed Visiting Jerome Clarke Hunsaker Professor of Aeronautical Engineering here for 1959-1960, President Julius A. Stratton, announced.

As Hunsaker Professor of Aeronautical Engineering, General Kelsey becomes a member of the faculty of the Department of Aeronautics and Astronautics at MIT. He works closely with undergraduate and graduate students in various fields of aeronautical engineering. Next March he will deliver the annual Minta Martin Lecture on aviation.

A veteran pilot in both commercial and military aviation, and a pioneer in "blind flying" tests, General Kelsey started his flying career at the age of 14. He is a native of Waterbury, Conn., and after attending high school there, entered MIT, receiving an S.B. degree in Mechanical Engineering in 1928. He remained at MIT as a research assistant until he joined the U. S. Army Air Corps in 1929 and became a test pilot. In 1929, working with the famed Jimmy Doolittle, also an MIT graduate, and Prof. W. G. Brown, he was attached to the Guggenheim Fog Flying Laboratory where research and tests resulted in the first complete instrument landing of an airplane.

Tested Bell XFM-1

As an Air Corps pilot, General Kelsey returned to MIT and received his S.M. degree in Aeronautical Engineering in 1932. From 1934 until 1943 he was in charge of fighter aircraft procurement and production projects at Wright Field, Ohio, where he tested such aircraft as the Bell XFM-1 and the Lockheed P-38.

Wilson Fellowships To Be Nominated

Nominations are now being made by members of the MIT Faculty of candidates for the Woodrow Wilson National Fellowships for 1960-1961, it was announced last night.

These Fellowships, which are given for the first year of graduate study, carry a basic stipend of \$1500 plus tuition with additional dependency allowances for candidates who are married. It is expected that about 1,000 such awards will be made for the coming year.

The Fellowships are designed to support students' interested in careers as college or university teachers in the humanities and social sciences, although some candidates in the natural sciences will also be selected.

While students cannot apply directly for these Fellowships, since they must be nominated by Faculty members, full information about the Fellowships is available at all appropriate departmental headquarters. If nominated, an MIT candidate then makes formal application to this area's Regional Chairman, who is Dean Lawrence Jones of the Graduate School of Arts and Sciences at Harvard.

This year's Woodrow Wilson time schedule is as follows:

Nominations must be in the hands of regional chairmen no later than October 31. The candidate must then file an information form by November 15 and all supporting materials must be received by November 30. Final screening interviews will probably be held in early January.

57 Alpha-Romeo Giulietta Sprint-Spyder Rdstr. 27,000 actual miles, mint condition. Must sacrifice. LO 6-9385 or FA 5-0266.

RESEARCH ENGINEERS:

THE MEN BEHIND THE HEADLINES

NAA's On-Campus Interviews

October 22nd, and 23rd



EARLY EVERY DAY you read of another advance in science... whether it's a space vehicle streaking toward Venus or a submarine gliding beneath the polar ice.

These are the events that make headlines... but even as they are announced to the world, engineers and scientists are planning new and greater achievements—and research shows them the way.

Scientific research always has had an important role at North American Aviation. Today, research projects are underway at more than 185 laboratories in the six North American divisions. They encompass the full scope of modern science.

Is air stiffer than steel?

Not all research has the headline appeal of a space ship or nuclear power. For example, research engineers at the Autonetics Division, which designs and manufactures space-age navigation systems, found new and different ways of building rotating bearings... and found that air is stiffer than steel for some purposes. Improved gyroscopes and magnetic recordings were important results of this research.

A cigarette's place in research

Even the ordinary cigarette has a role in scientific research. Scientists at the Aero-Space Laboratories, an organization within North American's Missile Division, use a burning cigarette in a still room to illustrate the difference between laminar flow and turbulence in the boundary layer, the very thin air space that lies along the outer skin of an aircraft or missile. This research is part of a program to find ways to protect missiles, satellites and space ships from burning when they re-enter the earth's atmosphere.

Toward the conquest of Space

The Rocketdyne Division has designed and built the bulk of today's operating hardware in the high-thrust rocket field. Explorer I, America's first satellite, was boosted into orbit by a Rocketdyne engine... and three-fourths of the power for Able IV-Atlas—man's first attempt to reach toward another planet—comes from liquid-propellant engines designed and built by Rocketdyne. Researchers at Rocketdyne delve into

the chemistry of propellants, the physics of engine components and what happens within them, ignition of fuels, combustion of fuels, and the transfer of heat.

2,000 mph manned weapon systems

The Los Angeles Division is the home of next-generation manned weapon systems—the Mach 3 B-70 Valkyrie and F-108 Rapier—and America's first manned space vehicle, the X-15. Research engineers in this division investigate manufacturing techniques, conduct studies in aerodynamics, materials and processes, and thermodynamics. They also work with physiologists, biotechnologists, biophysicists, and psychologists to solve design problems concerning human capabilities and limitations that arise from modern weapons and research systems.

Building better Navy aircraft

Analysis of aircraft carrier operation is a major research project at the Columbus Division. This division designed and built the Navy's T2J Buckeye jet trainer and the Navy's supersonic, all-weather A3J Vigilante. Research activities are diverse here—from how to illuminate an aircraft cockpit to developing unmanned vehicles and systems to perform within the earth's atmosphere.

Developing the peaceful atom

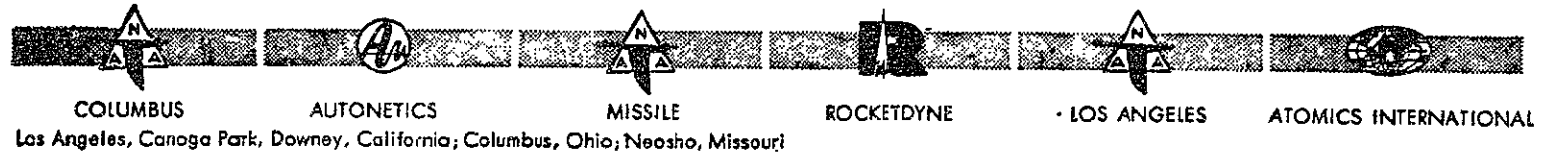
The work at the Atomics International Division of North American is part of a large national research effort aimed at the peaceful atom. Success in the development of economical power from the atom depends on thorough knowledge in every phase of atomic power systems and their materials of construction. Atomics International research reactors are in service in Japan, Denmark, West Germany, West Berlin, and Italy.

Opportunities for college graduates

Today at North American there is outstanding opportunity for young engineers who want to share the unusual creative problems that face science. You can rapidly build a sound engineering career by working on the top-level projects now underway. Visit your placement office where you'll find all the facts about a challenging and rewarding future with North American.

NORTH AMERICAN AVIATION, INC.

SERVING THE NATION'S INTEREST FIRST—THROUGH THESE DIVISIONS



COLUMBUS AUTONETICS MISSILE ROCKETDYNE LOS ANGELES ATOMICS INTERNATIONAL
Los Angeles, Canoga Park, Downey, California; Columbus, Ohio; Neosho, Missouri

HAVE
YOU
PICKED
UP
YOUR
COOP
PATRONAGE
REFUND
CHECK

The Coop can REALLY BRAG
about the high quality and
low price of their...

DUNSTER
OXFORD SHIRTS

3.90

3 for 11.00

Although the cost of shirts is now much higher, The Coop will hold the Dunster firm in price and still maintain its excellent quality. The plain color white or blue oxfords are regular \$4.25 and \$5.00 values. The oxford stripes are available in blue, tan or gray and are a regular \$5.00 value. Dunster Oxfords are a fine quality combed cotton... all with button-down collar.

REPP SILK
NECKWEAR

Value Priced at

2.50

3 for 6.95

Bows 1.50

A grouping of 24 specially selected color combinations.

TECH COOP

Jaffee Announces Field Day Rules Special "X" Event to Be Held

A special "x" event is expected to provide a real challenge to sophomores hoping to retain their Field Day championship, according to Ira Jaffee, Beaver Key President. The nature of the contest, which will not be announced until thirty minutes before it is to be held, is designed to keep more experienced planning from dominating the day.

Field Day, held as part of JP Weekend, will begin at 1:00 P.M., November 7, with the launching of boats for the boat race at 1:30. The boats, upon which a maximum of 50 dollars may be spent, will be entirely wind powered and will carry from 10 to 15 men. Each boat will have a noisemaker of some sort and will carry either the freshman or sophomore flag, as the case may be. The race course will be 100 yards down the Charles River, around a bouy, and back to the starting line.

Following the race, the field events, to be held on the rugby field at Briggs Field, will begin. At 2:00 the tugs of war will be held. Two contests are definitely scheduled, one involving an unlimited number of participants, the other a limited number on each team.

The "X" event will then follow at 2:30. Upon its completion, the final event of the day, the glove fight, will commence. This Field Day, however, any person without a glove on is out of the contest. This precludes any mass concentration and defense of gloves as happened last year.

Scoring of the events will be as follows: 40 points for the winning boat in the race, and 15 points for the boat adding the most "color" to the race, 35 points for the tug of war, 60 points for the glove fight, and 25 points for the "X" event. The point scoring, according to Jaffee, is purposely designed to make it necessary for one team to dominate the day in order to win.

Jaffee stressed that the purpose of Field Day is "to channel freshman-sophomore rivalry in the proper direction. It should be remembered that Field Day is still in its trial stage. We feel that if the spirit of last year continues, however, the day will completely serve its purpose."

Aero Tech Offers Ground School, Flying

Aero Tech Flying Club, Inc., was formed early last spring by twenty people interested in flying at the most inexpensive rates in the area. The Club was incorporated as a non-profit Massachusetts corporation to offer its members the legal protection a corporation offers. A Luscombe 8A was purchased and the members were in the air! Most of the members were new to flying and had never flown before Aero Tech offered them inexpensive flying rates. The members each own an equal share of the aircraft.

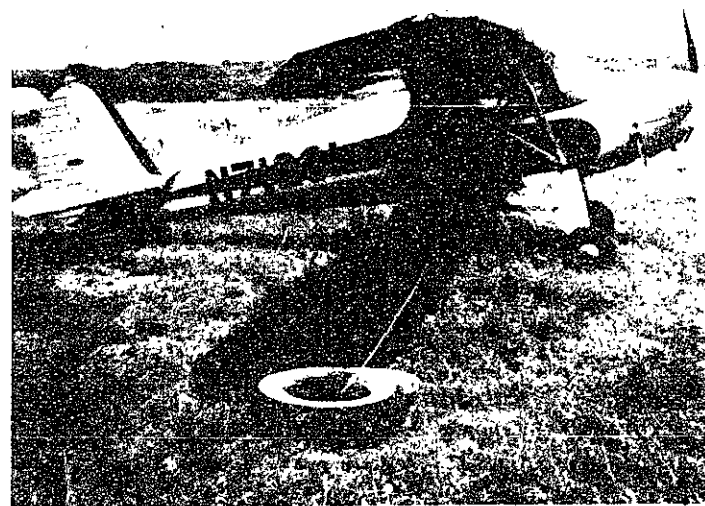
Provisional Class B status as an MIT activity was quickly granted in the early spring. Since then the club expanded and is now offering, completely free of charge, an Aviation Ground School to further train their members and any other person interested in learning more about airplanes. This Ground School meets every Monday from 5 to 6, and every Wednesday from 7 to 9.

The club sponsored ground school covers such topics as weather, navigation, Civil Air Regulations, ground handling of aircraft, General operating procedures, construction of aircraft and engines, and theory of flight.

The instructors of this ground school are professional weather forecasters and meteorologists who give freely of their time. Most of them are attached with the weather forecasting groups at Logan and Hanscom Fields.

The entire course will take a school term and a half. The final examination in the course is the Private Pilot's Written Examination which must be taken by all pilots before they can take passengers. Anyone may take this course which is completely informal, no credit offered and no cost involved.

The Luscombe 8A is an attractive two-place airplane, much better than what an airport would train you in. It



is equipped with radio and primary panel. The plane is kept in excellent shape by the professional mechanics at Beverly Airport. The plane is based at Beverly primarily because student pilot members, just learning to fly, are not bothered by jet and heavy, multi-engine aircraft that operate out of Bedford airport, which was another field we considered. Also, the instruction rates are two dollars an hour less than at Bedford. Aero Tech's instructors are the same ones that give instruction to ROTC personnel on flying status and are really top notch.

For complete information about Aero Tech call CO 7-6012 or come to the next meeting October 26, in Room 35-225 at 6 P.M.; just after ground school. Refreshments will be served and an interesting film shown.

Send THE TECH to Your
Parents or Girl Friend!

Enclosed find \$3.25. Please send the TECH for one full year to:

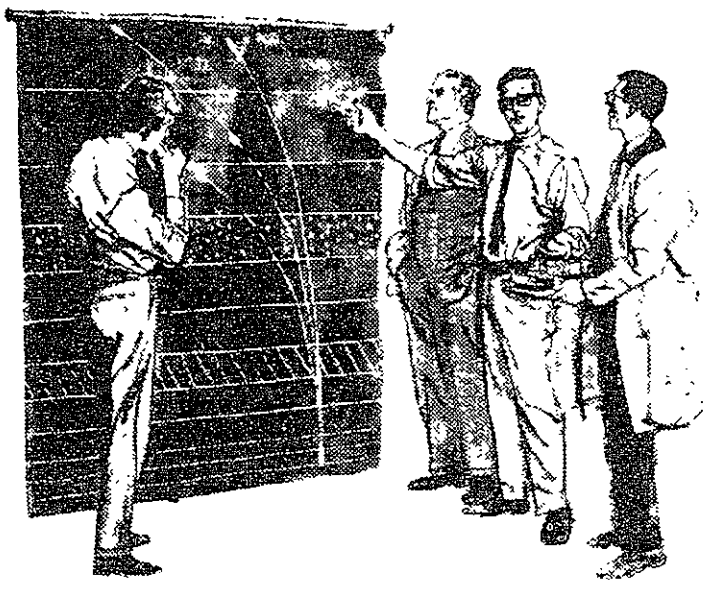
Name

Address

Clip out and mail by Institute delivery to:

THE TECH
Walker Memorial

JOB OPPORTUNITIES!
*A General Motors representative will be on campus
October 26, 27, 28.*
Contact your college placement office to arrange an interview.



- GM positions now available in these fields for men holding Bachelor's, Master's and Doctor's degrees:
- Mechanical Engineering
 - Electrical Engineering
 - Industrial Engineering
 - Metallurgical Engineering
 - Chemical Engineering
 - Aeronautical Engineering
 - Ceramic Engineering
 - Mathematics
 - Industrial Design
 - Physics • Chemistry
 - Engineering Mechanics
 - Business Administration and Related Fields

*Shooting for the moon
...and beyond*

The High Capacity Static Inverter,
latest electronic achievement from General Motors, provides exceptionally stable and precise frequency control for power and guidance requirements of missiles and rockets.

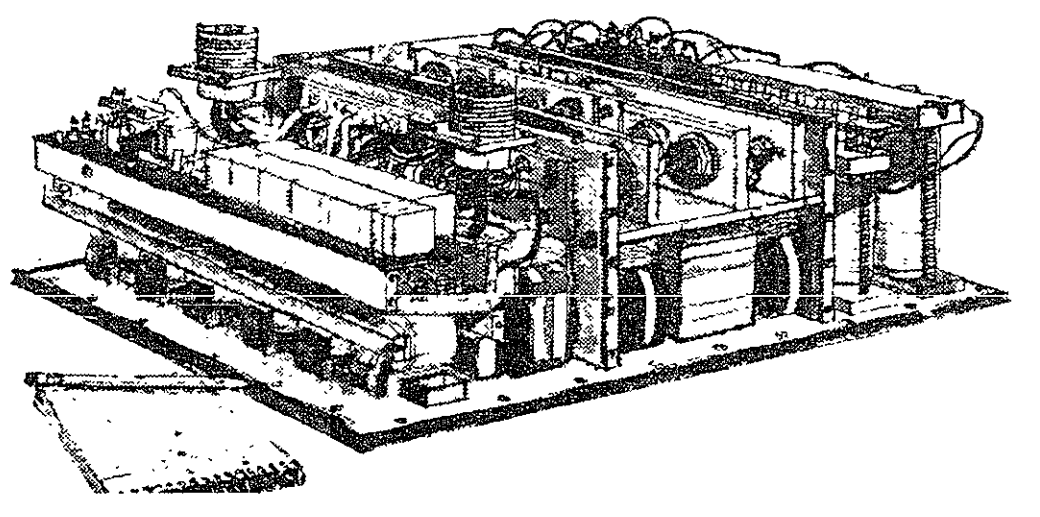
The minds of inquiring scientists and engineers are the spark that brings the wonders of tomorrow to the threshold of today. At General Motors the sky is the limit for men who work in these and other highly specialized fields.

If you're looking for a place to develop your talent . . . and let your imagination soar, consider the opportunities in science and engineering at General Motors, working on products such as electronic components, automobiles, astronautics, diesel and diesel-electric engines, inertial guidance systems, aircraft engines and equipment.

You can grow vertically and laterally in your career at GM . . . vertically through the Division where you work, and laterally through the other Divisions of the Corporation. In addition, GM offers financial assistance to employees who wish to enter or progress in postgraduate studies.

Step into a job with a real future. See your placement officer or write to General Motors, Salaried Personnel Placement, Personnel Staff, Detroit 2, Mich.

GENERAL MOTORS



RECORDS SPECIAL PRICES

List \$3.98 ea. Our Price \$ 2.89 ea.

List \$4.98 ea. Our Price \$ 3.89 ea.

List \$5.98 ea. Our Price \$ 4.49 ea.

TECH COOP

WANTED

MIT Students to wear our tuxedos at all your proms. Brookline Formal Wear — 342 Harvard St., Brookline — AS 7-1312.

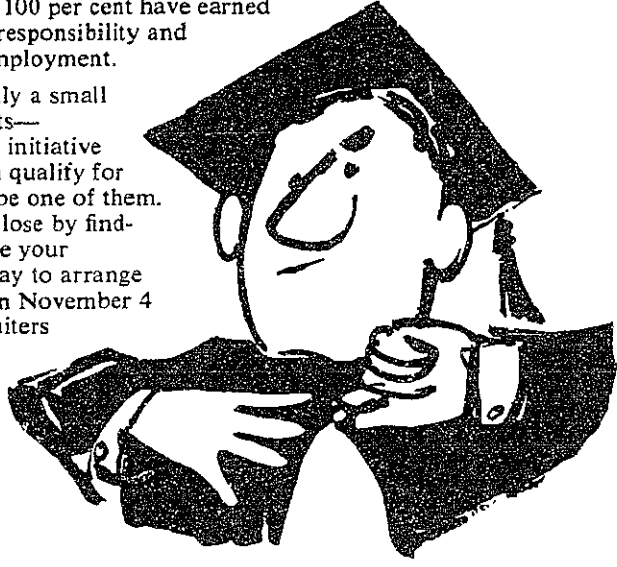
FOR SALE — Vespa "150" motor scooter with all accessories. New in June. Excellent condition. \$300.00. HI 4-1243.

Before the Alcoa recruiters get here, this word . . .

OF ALL the college and university graduates hired by Alcoa in the past 10 years, 95 per cent still are working prosperously for Alcoa.

OF THESE, virtually 100 per cent have earned increased authority, responsibility and income since their employment.

TO PUT it bluntly, only a small minority of applicants—by virtue of aptitude, initiative and personality—can qualify for Alcoa. But you may be one of them. You have nothing to lose by finding out. First step: see your placement officer today to arrange an Alcoa interview on November 4 when the Alcoa recruiters will be here.



Your Guide to the Best in Aluminum Value



For exciting drama watch "Alcoa Presents" every Tuesday, ABC-TV, and the Emmy Award winning "Alcoa Theatre" alternate Mondays, NBC-TV

SAE Senior House Win IM Grid Titles

Two league champions were named and a third league tie appeared certain as fourth round intramural football action was completed last weekend.

Sigma Alpha Epsilon ended their season and won the League IV title with a 6-0 victory over previously unbeaten Pi Lambda Phi. The win was the third in a row for SAE, which has allowed just eight points while piling up 69 against their victims.

Delta Upsilon and Delta Tau Delta, both owners of 2-0 marks before Sunday's encounter, battled to a 6-6 tie in their League I scrap. Both teams have one game remaining and, should they both win, a playoff would be necessary.

Senior House II downed Phi Mu Delta 14-6 to cop the League VII crown with four wins against no defeats.

DU Deadlocks Deltas

An exciting fourth quarter that ended in a Delt drive to the DU 10 yard line highlighted the battle for League I supremacy. DU drew first blood, scoring in the first quarter on a 30 yard pass from Paul Olmstead, '62, to Jeff Paarz, '63.

The Deltas, fighting back on the steady passing of Terry Bray, '62,



Chuck Gamble, '62, Phi Gamma Delta quarterback, carries around end for a substantial gain against Tau Epsilon Phi Saturday. Coming up for the tackle is Ron Burde, '60, middle linebacker. The Fijis won the contest 21-0.

— Photo by John B. Stevens

evened the game in the third period on a 5 yard pass from Bray to Dan Michael, '60. Bray's pass for the go-ahead point was blocked, and the score stood at 6-6.

Main factors in the deadlock were the accurate passing of Bray, comparatively poor Delt blocking, and excellent blocking and charging by the big DU lines led by Bill Loomis, '60.

Bill Lenoir, '61, snared a deflected pass from Mickey Haney, '62, and scampered into the end zone for the winning touchdown as SAE whipped Pi Lambda Phi 6-0.

Both teams played outstanding defensive games as evidenced by the score. SAE had previously smashed Phi Kappa Sigma 38-8 and Alpha Epsilon Pi 26-0.

Passes Net Win

Joe Crowley, '61, blocked a punt for a safety to give Senior House a 2-0 lead in the first period, but Phi Mu Delta forged ahead in the second quarter on a 15 yard run by Bob Delsky, '61.

A 40 yard pass from John White, '60, to Tom Traylor, '61, followed by a 20 yard scoring pitch from White to Karl Josephy, '61, put Senior House ahead in the last seconds of the half.

The turning point of the game came at the end of the third period as Phi Mu Delta had four downs to traverse two yards for a score but failed on three runs and a pass.

Senior House added the clincher in the final quarter on another White to Josephy aerial.

Fijis, Phi Deltas Win

The Phi Gams and Phi Deltas set the stage for what could be one of the best contests of the season next Saturday as both won their third straight League II games last weekend. The Fijis blanked Tau Epsilon Pi 21-0 and the Phi Deltas stopped Theta Chi 7-0. The TEP's bounced back to blank ATO 7-0 Sunday.

The Fijis scored three times in the final period on passes from Chuck

Gamble, '62, to Don Aucamp, '57, and Bruce Nelson, '60, and an interception by Al Gaston, '61, to take a 21-0 victory over Tau Epsilon Phi.

Fritz Frink's, '60, third period aerial to Ray Landis, '61, capped a long march and accounted for the only scoring in the Phi Delt contest.

Grad House Victorious

In League I play, Grad House won its first game of the season, routing Delta Kappa Epsilon 18-0. The victors posted scores in the second and fourth quarters while holding the Deltas at bay.

Sigma Nu turned back Sigma Chi in the lone League III tilt played. A fourth period pass from Larry Demick, '63, to Nat Floriar, '60, broke the tie and gave Sigma Nu its first victory.

Lambda Chi Wins 3rd

Lambda Chi Alpha took its third win Sunday with a 13-12 conquest of Burton House and continued on its march to the League V crown. In the other League V game, Kappa Sigma and Chi Phi battled to a 6-6 tie.

Theta Delta Chi gained its second win against one defeat Saturday, edging the Non-Resident Student Association 13-12. Bill Vachon, '63, looped an aerial to James Kee, '61, for the deciding extra point.

Dover Club battled to two ties, one 6-6 with Phi Beta Epsilon and the other 7-7 with Theta Xi, in League VII action. Student House won its third straight game, 13-0 over Grad House Dining Staff.

East Campus won its second straight and loomed as a definite League VIII contender as they overpowered Baker House 19-0.

The season ends this weekend. Championship tournament action begins the following week with the league "A" champions battling for the "A" crown and the "B" loop (leagues five through eight) victors meeting in their own finals.

DUAL FILTER DOES IT!

It filters as no single filter can for mild, full flavor!



HERE'S HOW THE DUAL FILTER DOES IT:

1. It combines a unique inner filter of ACTIVATED CHARCOAL...definitely proved to make the smoke of a cigarette mild and smooth...
2. with an efficient pure white outer filter. Together they bring you the real thing in mildness and fine tobacco taste!

NEW DUAL FILTER Tareyton

Product of The American Tobacco Company "Tobacco is our middle name" (©A. T. Co.)

PERSONALIZED CHRISTMAS CARD ALBUMS now on display Order Now For Best Selection **TECHNOLOGY STORE**

Come — See — Enjoy Sverre Engen's New Ski Film **SKI TIME U.S.A.** — MIT Kresge Auditorium — Thursday, October 22nd

TWO SHOWS THIS YEAR . . . 6 P.M. (\$1) and 8:40 P.M. (\$1.55) Tickets at T.C.A. and at Door Auspices of White Mountain Ski Runners

Soccermen Blank Middlebury 2-0 Face Tough Crimson Team Today

Saturday a strong Beaver soccer team blanked Middlebury at their home field, 2-0. After being outplayed in the first period, the Techmen, through a strong team effort, went on to lead the action in the next three.

Ken Evans, '60, kicked one in at 7:30 of the third period on a fine assist from Fouad Malouf, '60. Malouf's outstanding assist was in the name of a terrific kick from 60 yards out on the side which landed in front of the goal behind the fullback.

Tech's second score came at 6:00 in the fourth period on a kick by Cord Ohlenbush, '62.

MIT's halfback line showed fine play throughout the entire encounter. Outstanding was Andy Dillu, '60. Georgi Emo, '60 and Malouf also added much to the team effort throughout the play.

After getting off to a slow start, the varsity soccer team has won three straight games against WPI, Tufts and Middlebury, all by shutouts. MIT's next encounter, today at Harvard, should be the true test.

Runners Downed By UNH Last Saturday; Oliver Places Sixth

The varsity cross country team fell victim to the undefeated University of New Hampshire harriers last Saturday afternoon at Franklin Park 15-48. The meet marked the second shutout for the UNH harriers, who had already defeated Maine, pre-season favorite for the Yankee Conference title, as well as powerful Rhode Island.

Only co-captain Dan Oliver, '60, sixth in 21:48 over the 4.1 mile course, was able to prevent a New Hampshire sweep of the first seven places. Following were George Withbroe, '61, ninth; Bob Mullen, '60, tenth; Ed McCartney, '60, 12th; Rog Weissinger, '62, 14th; Herb Wegener, '61, 15th; Herb Grieves, '61, 16th.

The frosh fared only slightly better, bowing to the UNH yearlings 17-42. Chuck Sigwart showed the way for MIT, finishing fourth in 15:37 over the 2.8 mile frosh course.

Saturday both varsity and freshman squads travel to Groton, Connecticut, for a triangular meet with Coast Guard Academy and University of Northeastern over the USCGA course.

SEX

Saturday next the Spirit of Fifty-nine will be revived at the Beach-Widnall-Wilson residence, 223 Beacon St., Boston, from 4 to 7 P.M. Usual business transacted

-ESQUIRE- BARBER SHOP

90 Mass Ave. at Commonwealth Ave.
opposite Eliot Lounge
KE 6-6113

Where all M.I.T. STUDENTS MEET
**OUR FLAT TOPS ARE THE TALK
OF EVERY FRATERNITY HOUSE**
Our Added Feature
The "IVY LEAGUE" Hair Cut

WBTS Program Schedule

Wednesday

7:30-8:45 A.M. Rise and Shine
5:00 P.M. Caravan
6:00 Name Show
6:35 Campus
8:50 News
9:00 Classical Music
1:00 A.M. Sign-off

Thursday

7:30-8:45 A.M. Rise and Shine
5:00 P.M. Caravan
6:00 Jazz
7:00 Name Show
8:35 Limelight Review
8:50 News
9:00 Classical Music
1:00 A.M. Sign-off

Friday

7:30-8:45 A.M. Rise and Shine
5:00 P.M. Caravan
6:00 Jazz
7:00 Fiesta
8:00 Baton Society
8:35 Campus
8:50 News
9:00 Nite Owl request show
2:00 A.M. Sign-off

Saturday

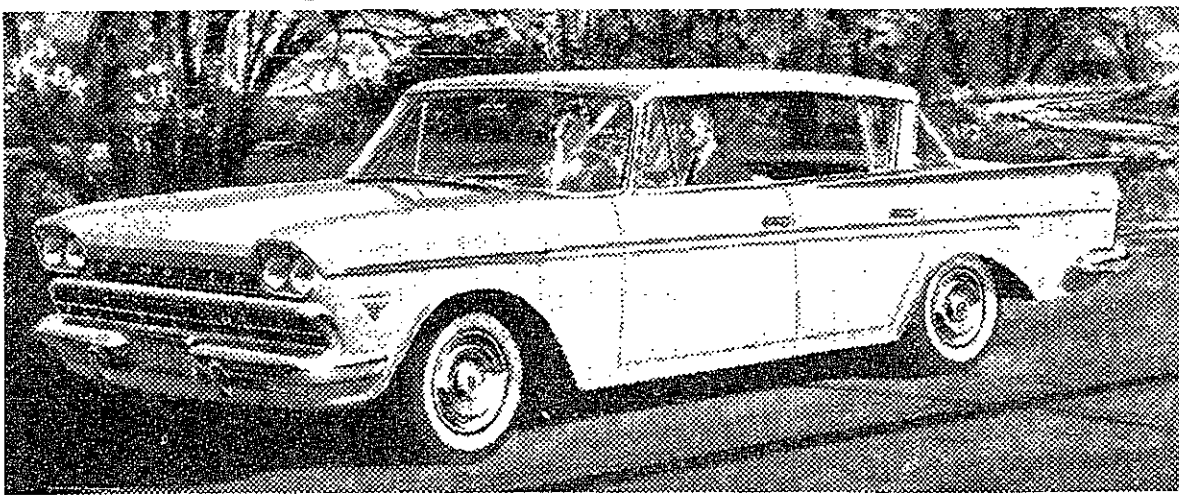
5:00 P.M. Sports Roundup
7:00 Jazz
8:50 News
9:00 Nite Owl request show
2:00 A.M. Sign-off

Sigma Alpha Epsilon is holding its Sailor Dance on Saturday, October 24th, 8 to 12 P.M. Open bid party.

GET THE BEST DEAL ON
REFRIGERATORS
Call Nancy — Hol. 303 East Campus

Announcing Rambler for '60

New high style! Low, low cost!



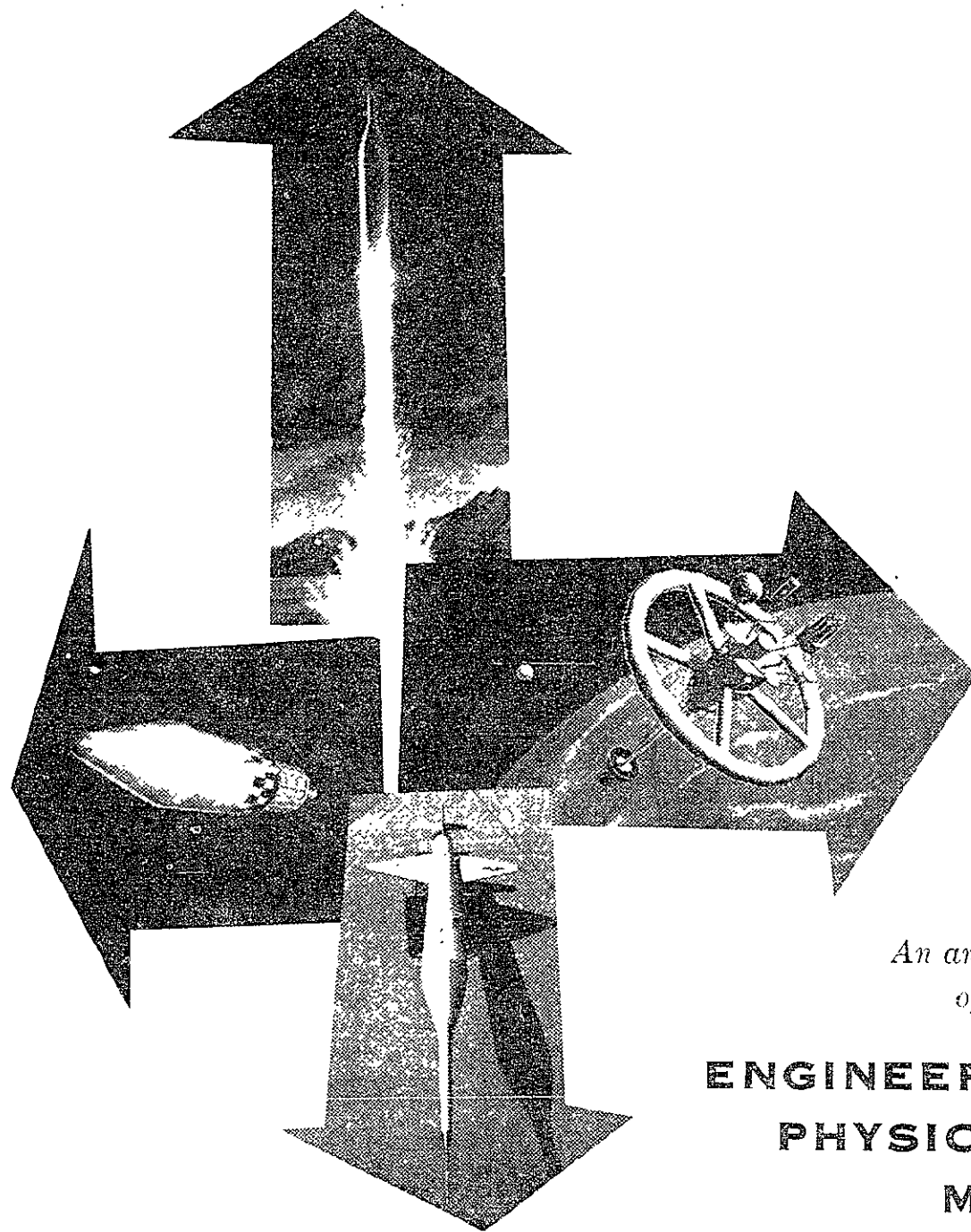
New styling . . . models . . . features! New 3 seat, 5 door station wagon! Bigger windshield for greater visibility. High, wide doors for easier entry. Save on price, upkeep, resale. At Rambler dealers.

NEW RAMBLER AMERICAN 4-DOOR SEDAN



Thriest, most maneuverable sedan in U. S.—now with 4-door convenience! Room for 5 big adults.

SAVE WITH RAMBLER—The New Standard of Basic Excellence



An announcement
of importance to

ENGINEERING AND PHYSICAL SCIENCE MAJORS

Lockheed Missiles and Space Division is engaged in one of the broadest spectrums of scientific exploration in the country. The Division has complete capability in more than 40 areas of technology — from concept to operation.

Diversity of the work areas is typified by the programs in such fields as: magnetohydrodynamics; space medicine; oceanography; sonics; propulsion and exotic fuels; metallurgy; advanced systems research; manned space vehicles; reconnaissance; optics and infrared; electromagnetic wave propagation and radiation; electronics; physics; chemistry; mathematics; computer design; aero and thermo dynamics; test; design and operations research and analysis.

PROJECTS—Current major projects include the Navy POLARIS Fleet Ballistic Missile; the DISCOVERER program; MIDAS and SAMOS; Air Force Q-5 and X-7 and the Army KINGFISHER. PROJECT MIDAS is an early warning infrared system against ballistic missile attacks, based on the use of satellites. PROJECT SAMOS is designed for the development of an advanced satellite reconnaissance system. DISCOVERER, MIDAS and SAMOS are programs of the Advanced Research Projects Agency under the direction of the Air Force Ballistic Missile Division with Lockheed as systems manager.

LOCATIONS—You have a selection of two of the choicest living areas in the country at Lockheed. Headquarters for the Division are at Sunnyvale, California, on the San Francisco Peninsula. Research and development facilities are located in the Stanford Industrial Park in Palo Alto and at Van Nuys, in the San Fernando Valley of Los Angeles. Testing is conducted at Santa Cruz and Vandenberg AFB, California; Cape Canaveral, Florida; and Alamogordo, New Mexico.

Together, the Division's facilities occupy more than two million, six hundred thousand square feet of laboratory, engineering, manufacturing and office space and provide the latest in technical equipment, including one of the most modern computing centers in the world.

OPPORTUNITIES FOR ADVANCED EDUCATION—For those who desire to continue their education and secure advanced degrees Lockheed maintains two programs. The Graduate Study Program permits selected engineers and scientists to obtain advanced degrees at the company's expense while working part time at Lockheed.

The Tuition Reimbursement Plan remits fifty per cent of the tuition for approved evening courses for salaried employees who are working full time.

SPECIAL CAMPUS INTERVIEWS

Members of our technical staff will be available on campus for personal interviews on

NOV. 2-3

For appointment, please see your Placement Director now.

Lockheed

MISSILES AND SPACE DIVISION

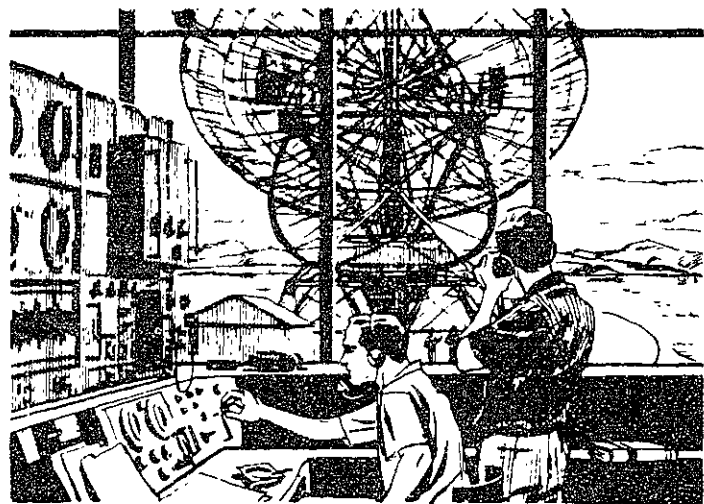
SUNNYVALE, PALO ALTO, VAN NUYS, SANTA CRUZ, SANTA MARIA, CALIF.
CAPE CANAVERAL, FLA. • ALAMOGORDO, N.M. • HAWAII

SYMPHONY HALL, Fri. Nov. 6, 8:30 P. M.
 SARGENT-HOLLAND
 presents
Kingston Trio
 Tickets Now — \$4.50, 3.50, 3.00, 2.50, 2.00, 1.60.



OFFERS CAREER OPPORTUNITIES in research and development of space vehicles

Active participation in Space Research and Technology, Space Vehicle design and development • Opportunity to expand your knowledge • Individual responsibility • Full utilization of your capabilities and association with top-ranking scientists in your field



Representatives of the team that put America's first Space Probe beyond the Moon will be here for interviews

ON ► **October 22nd, and 23rd**

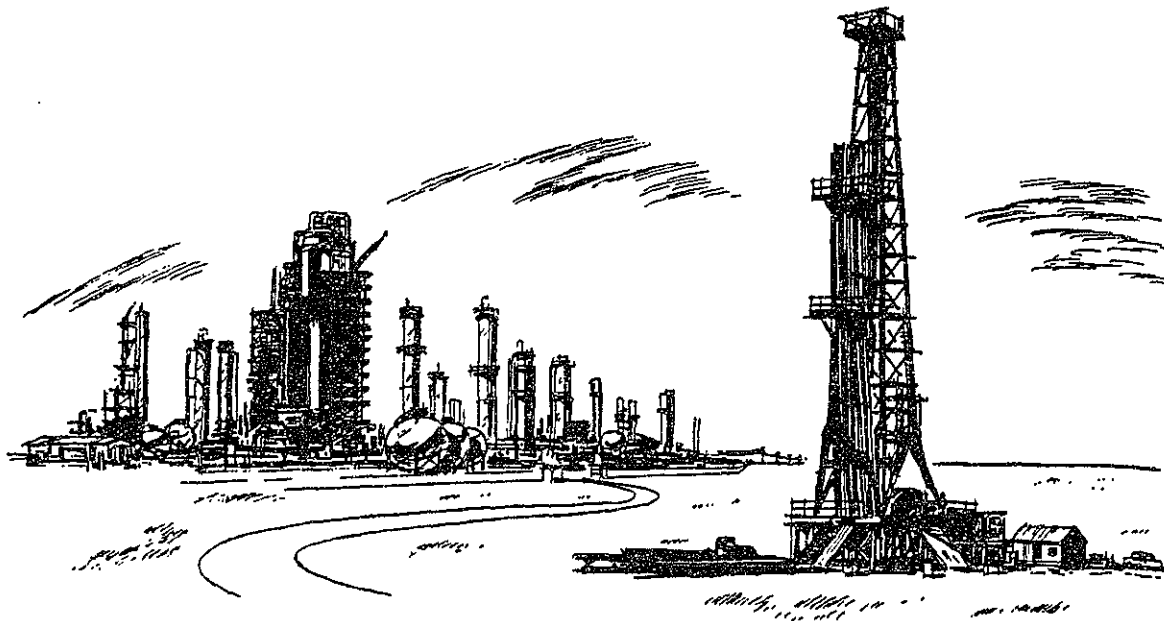
interested in talking with...

PHYSICISTS • CHEMISTS • MATHEMATICIANS • ELECTRONIC, AERONAUTICAL, MECHANICAL AND STRUCTURAL ENGINEERS

JOB OPENINGS NOW IN THESE FIELDS

OPTICS • INFRA-RED TECHNIQUES • SOLID STATE AND NUCLEAR PHYSICS • PHYSICAL AND ORGANIC CHEMISTRY • SPACE VEHICLE GUIDANCE • SPACE COMMUNICATIONS • INSTRUMENTATION • COMPUTERS • TELEMETERING • MICROWAVE TECHNOLOGY • ENGINEERING MECHANICS • AERODYNAMICS AND STRUCTURES

CALIFORNIA INSTITUTE OF TECHNOLOGY
JET PROPULSION LABORATORY
 A Research Facility operated for N.A.S.A.
 PASADENA • CALIFORNIA



Humble will interview on the Campus October 22 and 23

Interviewing teams from Humble Oil & Refining Company will be on the campus October 22 and 23 to interview students graduating in chemical engineering at advanced degree levels only.

Engineers and scientists at Humble share in the dynamic progress and growth of a leader in the petroleum industry. Humble is one of the leading producers of crude oil in the United States and is a completely integrated oil company. Humble's Baytown Refinery, one of the largest in the world, is engaged in Refining and Petrochemical Manufacturing. Research centers in Houston, for development of better methods of exploration and production, and at Baytown, for research in manufacturing, are making valuable contributions to the petroleum industry.

A Quick Look at the Humble Company

Area of Operation: Texas, Louisiana, California, Mississippi, New Mexico, Florida, Alabama, Arizona, Georgia, Washington, Oregon, Alaska.

Refining Capacity: 282,000 barrels daily.

Retail Sales: Texas, New Mexico, and Arizona. Leading Texas Marketer of tax-paid gasoline.

Humble Pipe Line Co.: Operates crude oil and products pipe lines in Texas; has capacity to transport more than 700,000 barrels daily.

HUMBLE

HUMBLE OIL & REFINING CO.

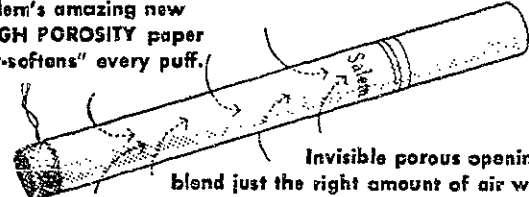
For a rewarding career in the petroleum industry, discuss your future with the Humble Company interviewing team. Check at your Placement Bureau for time and place of interview.

New cigarette paper "air-softens" every puff!

Now even the paper adds to Salem's springtime freshness!



Salem's amazing new HIGH POROSITY paper "air-softens" every puff!



Invisible porous openings blend just the right amount of air with each puff to give you a softer, fresher, even more flavorful smoke.

An important break-through in Salem's research laboratories brings you this special new HIGH POROSITY paper which breathes new freshness into the flavor.

Each puff on a Salem draws just enough

fresh air in through the paper to make the smoke taste even softer, fresher, more flavorful. If you've enjoyed Salem's springtime freshness before, you'll be even more pleased now. Smoke refreshed, smoke Salem!

• menthol fresh • rich tobacco taste • modern filter, too

Salem refreshes your taste

NOW MORE THAN EVER

Created by R. J. Reynolds Tobacco Company