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# THE SCHOOL OF TECHNOLOGY

# TECH NEWS

## CITY COLLEGE OF NEW YORK

VOL. XIII — NO. 2 WEDNESDAY, OCTOBER 19, 1960 222 BY STUDENT FEES

# Tech Building Loses Year; Will Open in September 1962

## Parents Pose Problems

On Sunday, October 16th, about 500 parents of engineering students helped make Parents Day at City College a success.

The program started with an address by President Gallagher on the problems that face stu-

dents in the transition from high school to college.

Small discussion groups of 30 to 40 people were formed, following the assembly in which parents had an opportunity to ask questions. The questions asked were in a wide range of subjects such as:

1. Large number of drop-outs.
2. Tutoring Services.
3. Fraternities.
4. Employment in summer and after graduation.
5. What are the different fields in engineering that a person can work in.

Representatives from the ROTC also talked with the parents on the advantages in joining this organization.

The parents generally thought that the conference was of great value. They participated in questioning and appeared interested in all the questions asked.

## T B Pi Rocks

It is common knowledge that engineers who have discovered nearly everything that needs discovering including the transistor, Maxwell's equations, and entropy have missed the most important and world shattering discovery — girls.

Dance instruction will be offered on Thursday, October 27th in the Grand Ballroom in Finley Center from 12 to 2 p.m. An instructor from Fred Astaire Dance studios will give the instructions.

## What Is TIIC?

Tech. Students: How many of you reading this paper (and all of you should be reading it) know anything about TIIC? On second thought, how many of you have ever heard about it? Don't panic, for you are not alone in your ignorant and uncultivated ways, for there are hundreds who suffer of a similar condition. To remedy this situation Tech News has decided to enlighten you, the engineering students at C.C.N.Y.

The accepted name of the organization is the Technology Interfraternity Council (which is already complicated enough to convince you to be completely disinterested). According to its constitution its purposes are: "to correlate the activities of its members; to encourage extracurricular activities; to represent its members in matters of mutual interest to them; and in general to do everything for the betterment of the City College and the School of Technology."

These goals are not only concerned with the present time but with the future as well. Currently TIIC is attempting to have improvements made in the Tech Library and in the lounge facilities on the North Campus. Their success in these projects would be of great benefit to the entire School of Technology.

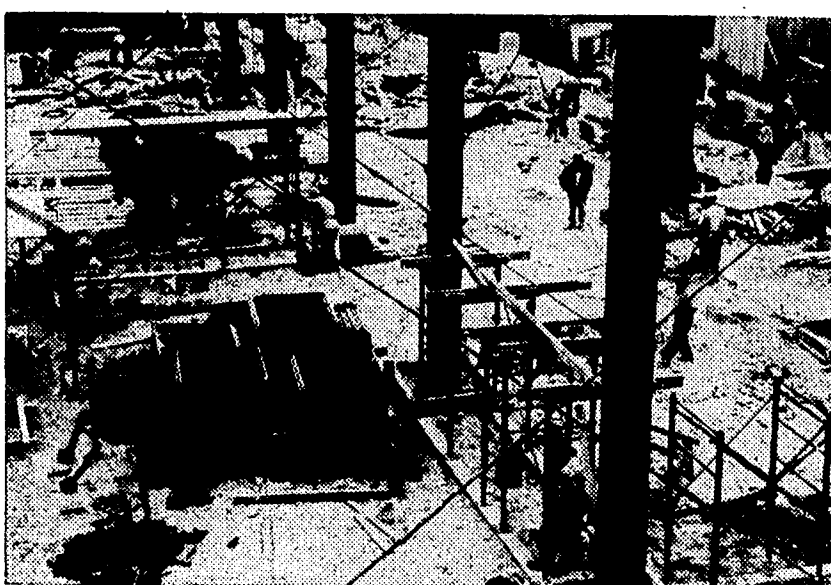
TIIC, the co-ordinating body for its twenty member organizations, represents over two thousand students at C.C.N.Y. With enough co-operation from the student body TIIC could easily be one of the most important and influential organizations on the City College Campus.

Membership to TIIC is open to all recognized engineering societies, honorary engineering fraternities, engineering social fraternities, and independent engineering publications.

Each year TIIC sponsors the main social events of the Tech School, which are E-Day and the subsequent E-Day Ball. During E-Day demonstrations are shown to the visiting students by all branches of the Tech School. The Ball follows at night. The organization also sponsors student-faculty teas and other various activities of interest to its member societies.

In June 1955 a committee on student-faculty relationships was organized and this year (as in the past) four of the members on the committee will be appointed by TIIC. It is hoped that by having direct contact with the faculty the process of solving student problems may be done with greater speed and efficiency.

The date set for the opening of the Tech Building has ben changed again and extended for an entire year. The opening date was to be either spring of fall of 1961. Dean Allen has set the new completion date to the fall term of 1962.



Stall . . . Stall . . . Stall

## Chem. E. Changes Are Announced

On October 6, Professor Minocher K. N. Patell of the Chemical Engineering department spoke to the AIChE on proposed changes in the Chem. E. curriculum.

Prof. Patell told the assembled students that the major change will be the alteration of the present unit operations sequence and substitution of three new courses for four courses that are presently being given.

The first of these changes, the alteration of the unit operations sequence, is currently in progress. In the past, the unit operations such as: filtration; distillation; and heat transfer have been given as completely unrelated topics with no attempt made to unify them. In the new sequence, the relationship between the various operations will be emphasized and a more rigorous mathematical approach will replace the previous dependence on empirical equations. This term, Ch. E. 134 has undergone the change; in terms to come, Ch. E. 160 and 165 will similarly be altered.

The most striking feature of the proposed changes is the complete elimination of Ch. E. 166, 170, 182 and 246, which deal respectively with: high polymer theory; electrochemistry; metallurgy and fuels and lubricants. Three courses having the same credit value and covering much of the subject matter of the eliminated courses will be substituted in their place. Two of the new courses will deal with the behavior of metallic and non-metallic elements, the

third will deal with the control of process variables, and will include work with computers. These changes are expected to go into effect when the new tech building in inhabitable.

Professor Patell predicted that when all of these changes have gone into effect, City College will rank with the top two or three schools in the country for chemical engineering.

### CONGRATULATIONS

The staff of TECH NEWS congratulates Rita Scher on her marriage to Victor J. Mullins on Sunday, Oct. 16, 1960. We hope that they will have much happiness.



DEAN WILLIAM ALLEN

A steel strike coupled with many other strikes during the past year had set the completion date 6 to 8 weeks behind schedule. Original plans had the finishing date to be about Spring 1961 and the removal of all laboratory equipment to be accomplished this coming summer. If laboratory equipment were to be removed during the Fall term of 1961 the entire curriculum would be disrupted. Laboratory classes would have to be taken in the following spring term because removal of equipment during the class term would result in many difficulties. Assistant Dean Hyman said it would be impossible to have any laboratories in the Tech Building this fall, the original completion date.

Dean Hyman pointed out that changes brought about by the Tech building would have no effect on the schedules of the undergraduates or in a delay of their graduation date. One possible effect would be dislocation and bad programs due to the removal of the laboratories in 1962. Some students might have night as well as day programs.

One interesting sidelight about the Tech building is the fact that it will possibly accommodate almost 1,000 more students. The Tech enrollment could then increase to 4,500 undergraduates. This will make it possible to teach the increased number of students that have flooded the colleges throughout the country.

### Will House Tech Library

The Tech Library will be housed in the new Tech building, and it will have a capacity of 96,000 volumes. Most of the books that are in the files or in places now inaccessible to the student, will be offered for student use. There will be improved lighting and a greatly increased seating capacity.

Below are a listing of some of the tentative changes that will be seen in the new Tech Building.

### Highway Lab

Some of the changes to be seen in the Civil Engineering department in the new Tech Building are new and modern laboratory equipment. CE 236 and CE 237 will be incorporated to coordinate the related material in both courses. One of the new innovations to appear is a Highway Laboratory. Professor Hartman, chairman of the CE department said, "We expect to move in in the fall of

(Continued from Page 2)



# TECH NEWS

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## Building...

(Continued from Page 1)  
 1962," but he emphasized, "this is all tentative."

### ME Lab Changes

The ME department is also having many new changes. Dr. Updegrave stated that the laboratory curriculum will emphasize "scientific training instead of just an exercise in technique." Each student will do his own experiment and he will be geared to thinking about **what he will prove**. The Tech Building blueprints of the cellar (the lowest level) and the basement (the second level) showed the positions of all the new ME laboratories. On the lowest level all the heavy equipment will be housed. The Power Lab, Nuclear Engineering Lab, a Gas Turbine and a specially ventilated Foundry will be situated in the cellar. Concerning the moving of all equipment Dr. Updegrave said, "It will probably ruin a whole term of laboratory work." Some of the other new alterations will be a dust free Dimensional Control Laboratory that is air conditioned and set for standard conditions. This laboratory will have many times the space it originally had. Finally, a new motion and time study lab will be used.

Changes in the ChE dept due to the utilization of the Tech Building will be found in the next issue of Tech News.

### Digital Computer

Professor Taub, Chairman of the Electrical Engineering department, said that a digital computer (LGP30) and modern laboratories are some of the

most important changes to be seen. They are due to the use of the Tech Building. The EE laboratories will be augmented with modern design machinery and new wiring giving each student at his lab desk power of all available types. All the labs will be connected for communication by a coaxial system. On the fourth floor the machinery lab will be stationed. The fifth floor will be used for measurement and communication equipment. The sixth floor will house the computer and a control assistance lab. Professor Taub said that the possibility of curriculum change and the move to the Tech building are not related.

## Letter...

I liked your article on McCarthyism and on Raymond the bagelman. I agree with these 2 editorials. Raymond might be found at Yonkers Raceway at night. He lives in Brooklyn. I hope you find him and I am looking for him also since I liked his pretzels.

Sincerely yours,  
**Maurice Goldman**  
 CCNY E.S.

Oops! Sorry!  
 The following corrections are in order.  
 American Society of Mechanical Engineers  
 Faculty Advisor:  
 Prof. G. Lowen (M.E.)  
 Pres. R. Zipin  
 Pi Tau Sigma  
 Pres.: Harold Ornstein  
 Vice Pres: Kenneth Rathjen

## Where To Meet a Mate Or Take a Date — Without Paying at Gate!

NO charge for any of the lively entertainments listed in NEW YORK/FREE FOR ALL! Take free boat rides, auto trips! Attend Admiral's Review, jazz sessions, rehearsals, socials. Enjoy indoor swims, dances, drinks on the house! Here's your complete guide to Gotham's gratis goings-on & giveaways! LATEST EDITION \$1.00 postpaid: N.Y. FREE FOR ALL, (DEPT. TN) Box 1 Stuyvesant Station, New York 9, N. Y.

## Organizations...

American Institute of Electrical Engineers  
 Pres. Steven Maybar  
 V. P. Theodore Bially  
 Sec. Mark Tublisky  
 Treas. Phil Greenberg

This term AIEE operating in conjunction with IRE will sponsor a series of lectures on electrical engineering given by some noted personalities in the field.

With their membership up to 250 they are still accepting new members and have future plans of including all E.E. students. The membership fee is \$1.00 per term.

The activities that are being planned for this term are: a field trip; a farewell smoker to send off the graduating students; a student-faculty tea; and a paper writing contest. This contest is sponsored annually by the society and offers a \$25.000 cash prize for the best paper submitted. This contest will be judged by students and instructors. There is also a \$500.00 national prize.

— Rena Pomerantz

## Damn-It

Again we are faced with the non-opening of the Tech Building. Now the completion date (the date of inception of classes) will be the fall of 1962. The Tech Building which was to have only laboratories (no classrooms) of the most modern design would have been a welcome innovation.

But good things always seem to arrive with certain misgivings. A quick commentary on this "mischance," "ill luck" or "bad break" could be we were born too early. This Tech Building would have been the best thing in our lives. The modern equipment and increased space, well-lighted and ventilated laboratories, some of the newest design machinery and the added prestige of the best engineering school in the country fades into a dream for another year. Meanwhile we wait and graduate and maybe we will wait and graduate again next year when the opening date is altered once more.

What can we do to alleviate this perpetual situation? Is there any other solution or path to be taken than "well, it was a nice thought" or "a beautiful dream?" All the strikes that delayed the work of the Tech Building were beyond our immediate control. We cannot be "Angry Young Men" at something that has no bearing on us, nor cares whether this year's students or next year's students will utilize a new advancement. How could we have hastened the building of the "next year and next year" fantasy?

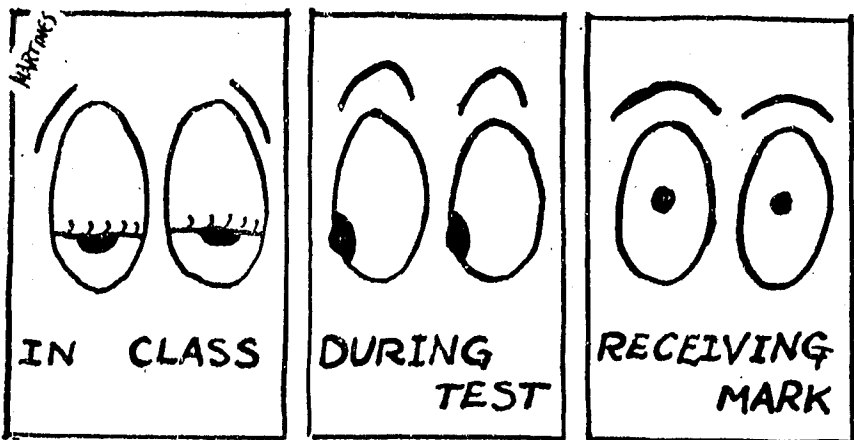
I guess we were born too damn early.

## About Town...

All those interested in visiting Brookhaven National Laboratories on Friday, October 28, 1960, please indicate name on ASME Bulletin Board.

William McIlroy of the Plasma Production Lab, Republic Aviation Corp., and Charles Cavalcante, Plasma Propulsion Lab, Republic Aviation will speak on "Pinch Plasma Engine" at 7:30 P.M., IBM Building, 590 Madison Ave., on Oct. 20.

There will be a lecture on "Navigational Computers" at 7:00 P.M. in the Western Union Auditorium at 160 W. Broadway on Oct. 31.



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## 1961 GRADUATES ARE INVITED TO DISCUSS THEIR FUTURE

### Outstanding young men with degrees in ENGINEERING AND SCIENCE

are needed to create and manage the future of...

**The Bell Telephone Companies and Long Lines Department**—Challenging futures in engineering and administration in companies with the largest expansion program in U. S. industry.

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Campus interviews ..... OCT. 24-25

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# TECH LIFE

By LARRY KOWITT

## FOUND TWO . . .

Steve Maybar, my co-editor, has made our position quite clear in the first issue's column. If you expect either Steve or myself to act like the "last angry man," you can stop reading at now. We intend to praise and enlist the worthy organizations and verbally lambast those who refuse to live up to their obligations. Obligations? Yes, we all have a duty to ourselves. We have a duty to City College for an education. This does not mean just sitting in a class room and soaking up all the instructor says. That's only half an education; a little bit of knowledge. The second half of our education should teach us not only to make better engineers of ourselves, but also to make better persons of us. This is our duty. We owe this to the people of New York State who so generously foot the bills. We owe this to our fellow man who we intend to assist and lead with our special talents and abilities. We owe this to ourselves.

Extra-curricular activities, the so-called "other" half of our education, exists because of us, not for us. We, the student body, make or break them (i.e. The Slide Rule League). Too many students prefer the easy way out; they settle for half the education due them. The only reason these students are not complete is the result of the class room work that is forced upon them. Work or fail, no two ways about it. Extra-curricular activities must be rammed down your throat. If it is, it is null and void. Just like gym and Humanities is for many students.) **APATHY IS A BAD WORD FOR THAT TYPE OF STUDENT'S OUTLOOK. BUSINESS IS MORE LIKE IT.**

Let's take a look at TIIC. Here is an organization with a lot of potential. So what happens, nothing! In the Oct. 5, 1960 issue of TECH NEWS, an article by Linda Gross titled "TIIC Plans" tells about the Sept. 29 meeting. Miss Gross says "... there was nothing formally voted upon at the meeting due to the fact that many of TIIC's member organizations were not represented. There are twenty organizations making up TIIC and only seven were represented at the meeting." How did this happen? There are two possibilities here. Either the organizations' delegates thought it was worthless to attend meetings or the member groups didn't have their delegates chosen yet. One is as bad as the other. It does not speak well for TIIC. Why haven't the delegates felt it was worth their time to attend the meeting; or why don't the member groups even have delegates? Perhaps they feel that there are more important things to be done at their own groups' meetings than their representation in TIIC. Perhaps (which is no worse) they couldn't find anyone who also didn't feel that the whole thing wasn't a waste of time.

The fault can't lie with TIIC. It is made up of member organizations and the blame must fall on their shoulders. You'll only get what you put in. If you don't invest anything there won't be returns; **AND THERE WON'T BE ANY TIIC IF THE MEMBERS DON'T STOP WAITING FOR THE OTHER GUY TO DO IT!**

## NOTICE TO SENIORS . . .

The 1961 College Placement Annual may now be obtained in Placement Office, room 423 Finley. The Annual, which is provided free of charge, gives tips on what to say during interviews and a listing of job opportunities with some 1,800 firms. Some of the scheduled job interviews have been cancelled. See the article in this issue of TECH NEWS for more information.

## CONTEST NEWS . . .

The James F. Lincoln Arc Welding Foundation is sponsoring a \$10,000 Engineering Award Program for Arc Welded Designs of Machines or Structures. All undergraduate full time day students are eligible for the 46 cash awards. (Top award, \$1,500.) See Prof. Malone (M.E. Dept.) for more details. The contest closes June 26, 1961.

## CLUB NOTES . . .

On Wednesday, Oct. 19, the Society of American Military Engineers will present the American Machine and Foundry on "Development of the Pinspotter." This live lecture will be given at 5:00 p.m. in Harris 003. All ASME and SAE members are cordially invited.

## ASCE CLUB NOTES

The ASCE will present three speakers from the National Society, Thursday, October 20, in Finley 438 speaking on the organization and its relationship with the student chapter. All prospective members are urged to attend. Refreshments will be served.

This Thursday A.I.Ch.E. will present two films — The first concerned with peacetime Atomic Energy research while the second, entitled "Pure and Simple," will deal with mass disposal. Both in Harris 103.

## ASCE Seeks New Members

By MIKE GRITZUK

The Student Chapter of the American Society of Civil Engineers is one of the most active and informative groups at C.C.N.Y. In order to follow in this tradition of helping the Civil Engineering student enrich his college course the ASCE is now accepting new members. The only requirement for admission is that the student must be carrying, or have completed, a minimum of six credits in civil engineering courses.

The program for this semester includes films, speakers, a student paper presentation contest, and a field trip. Socially, the organization has planned a smoker and its semi-annual Induction Dance.

This Thursday, Oct. 20th, the ASCE will present three speakers from the National Society speaking on the national organization and its relation to the students. The meeting will be held in Finley 438 at 12:30 and refreshments will be served.

The smoker will be held on Friday, Oct. 21st, at 8 p.m. Refreshments, both 'liquid' and solid will be served, and entertainment will be provided. This event promised to be very enjoyable so come one, come all, and meet your fellow members on this informal and social basis.

The Induction Dance, probably the most important event of the semester will be held on Friday, Nov. 18th. This dance is looked forward to with great anticipation by the members as well as the faculty.

Once again, all CE students interested in joining the ASCE are cordially invited to attend this Thursday's meeting in Finley 438.

## Tech Awards

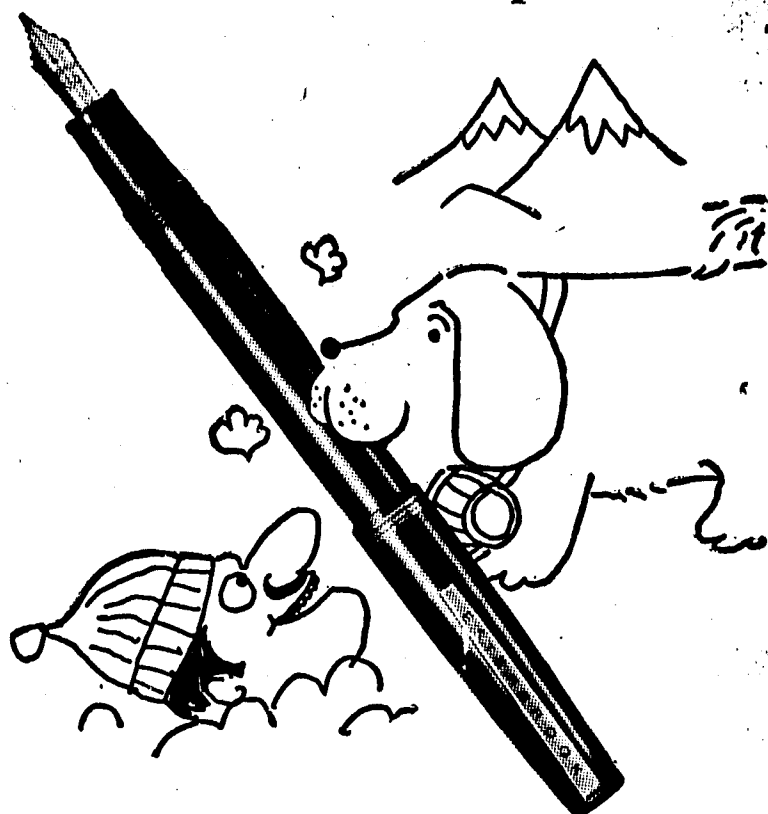
Many of you are eligible for the award listed below. Your applications will be welcomed by the School of Technology Committee On Awards.

Applicants must make their intentions known by reporting in person to Mrs. Herring, room 208, Goethals Hall on or before **October 31st**. The winning of this award carries with it an honor far more important than any immediate material benefits.

**Frank A. Rappolt, Chairman**  
Technology Committee  
on Awards

An award of \$50 and a certificate is made each Fall to a student of the School of Technology for service to the College and the community. This award was established by the Engineering Alumni in memory of Professor Marlies.

I was really lost  
without my new  
Esterbrook "101" pen!



Ski-time or study-time, there's no friend like the Esterbrook "101" fountain pen. Rescues you from any number of difficult situations. It's a different type of cartridge pen. It carries 2 cartridges of liquid ink . . . one is a spare . . . so there's no need to run out of ink—at any altitude!

New, but still gives you 32 pen points to choose from, so you're bound to find one that's right for your personality. Or, think of the fun you'll have switching—pen points or personalities—until you find the one you like best.

Schuss down to your dealer's and pick up the Esterbrook "101" Renew Point Fountain Pen, today. The cost: just \$1.95. 5 colors. Available in squeeze-fill, too!

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THERE'S A POINT CHOICE OF 32—ONE IS CUSTOM-FITTED FOR YOU!

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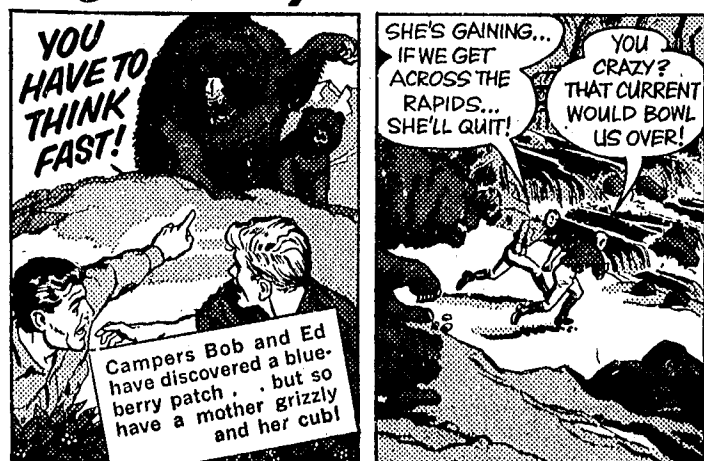
Are you an engineer? Hairline on your slide rule crooked? Have to trot down to South Campus twice a day? TEST coming up next week? Drafting triangle warped? No girls in any of your classes? **STOP!!!**

Put everything aside and **LIVE A LITTLE** come to

**Epsilon Nu Gamma's  
OPEN HOUSE PARTY**

Friday Evening, October 21, 8:30 P.M.  
19 Hamilton Terrace (near 141 Street)

## To get away from a GRIZZLY





## TIIC Meeting

The Technology Intersociety Interfraternity Council is up against opposition from all sides as it tries to carry out some of its plans for the term. North Campus improvement is making little headway, requests for a table at registration have been refused and members of T.I.I.C. are uncooperative.

Planning for a second social activity for Tech school has been removed from this term's agenda. The T.I.I.C. representatives who were sent back to their organizations to poll the response to a second function reported such a poor show of enthusiasm that it appears that the idea would be extremely unsuccessful.

Ira Reiss, E.-Day chairman, has consulted Dean Allan and they have arrived at a tentative date for E.-Day. At this point that date is April 18, 1961.

A Student-Faculty Committee will be organized again this term. Let us hope that it will be more successful than those of the past. The four Faculty members will be: Professors Bischof (chairman), Hyman, Gerner Olsen, and Stein. The four student members will be appointed by T.I.I.C.

One reminder from T.I.I.C.: There will be a Student-Faculty Tea, sponsored by T.I.I.C., on Friday, December 2, 1960. It will be held in Knittle Lounge from 3-5 P.M. All students are invited.

## Corporations Change Chats

By MEL PELL

The Finley Placement Office has announced changes in the list of company visits. According to Mr. John Buckley, the assistant placement director, the companies that cancelled their interviews did so because of reasons of management personnel changes and erroneous information concerning graduates, rather than any decrease in the need for new talent.

The changes include cancellation of visits by the Marbon Chemical Company and the Chicapee Manufacturing Company and the addition of eight new companies to the list. The new companies are: Republic Aviation; Loral Electronics; Nuclear of Chicago; Federal Scientific; General Dynamics; Hermes Electronics; Batelle Memorial Institute; and the Chemical Construction Company.

There are now 109 companies coming to interview January graduates. This compares quite favorably with last year's figure of about 80.

Co. No.	Name and Date of Visit	Opens	1st Degrees	Choice	Location
104	Republic Aviation Corp. Oct. 31	10/17	10/13	E.E.	Farmingdale L. I.
108	Loral Electronics Corp. Nov. 4	10/24	10/19	E.E.	Bronx, N.Y.
105	Federal Scientific Corp. Nov. 16	11/2	10/28	E.E.	N.Y.C.
109	General Dynamics Corp. Electric Boat Division Nov. 18	11/4	11/1	Ch.E.E. M.E. Math Physics	Groton Conn.
111	Hermes Electronics Nov. 22	11/9	11/3	Physics E.E.	Cambridge Mass.

107	Nuclear of Chicago Nov. 30	11/15	11/10	E.E. M.E.	
110	Battelle Memorial Nov. 30	11/15	11/10	Ch.E. Chem. O Physics umbus,	
106	Chemical Construction Co. Dec. 16	12/2	11/30	Ch.E.	N.Y.

### Changes

Co. No.	Name of Company	Change or Addition
4	Ketay Dept.—Vorden Div.	Nov. 23
20	Bendix Corp. (Eclipse Oct. 20 and 21 Pioneer)	E.E.'s and Physics majors
45	Underwater Sound Lab. Nov. 1st.	Interested also in C.E.'s
53	David Taylor Model Basin Nov. 3rd.	First choice 10/17 (Mon.) Schedule Opens 10/20 (Thurs.)
63	Marbon Chemical (Nov. 7, Mon.) Check with Placement Office	Company cancelled
79	Chicapee Mfg. Co. Nov. 15 (Tues.)	Company cancelled
81	Brooklyn Navy Yard Nov. 16 and 17th. (Wed. and Thurs.)	First choice 10/28 (Fri.) Sched. opens 11/2 (Wed.)
86	Columbia Southern Nov. 17th.	1st choice 10/31 Sched. opens 11/3

## SUCCESSFUL STUDENTS

**LINCOLN LABORATORY** has openings for a limited number of engineers, physicists and mathematicians in original research and development activities.

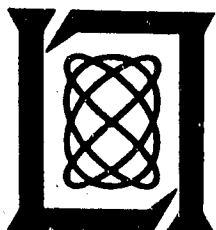
**LINCOLN LABORATORY** is an electronics research and development center established by M.I.T. in 1951.

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**NAME: John Hulse AGE: 27 MAJOR: Bus. Adm.**  
**PRESENT JOB: Telephone Manager, Sioux City, Iowa**

When John Hulse was a senior at the U. of South Dakota, he had his own set of "do's" and "don'ts." *Don't* become a mere cipher on somebody's payroll. *Don't* sit on the shelf waiting for your first taste of responsibility. *Do* get a job where you have a chance to show your stuff right from the start. *Do* the job.

John knew his B.S. in Business Administration could lead him into almost any field. He chose the telephone business and joined Northwestern Bell.

One of his first assignments: streamlining operating procedures for the telephone offices of Iowa's five largest cities. In this work John showed good judgment and sound organizing ability.

Today he is Telephone Manager of Sioux City, Iowa.



"Our number one aim is to have in all management jobs the most vital, intelligent, positive and imaginative men we can possibly find."

FREDERICK R. KAPPEL, President  
American Telephone & Telegraph Co.

Besides managing day-to-day operations, helping plan tomorrow's telephone growth is an important part of John's job. A typical example is the work he does with the Sioux City Industrial Development Association. In this role, he's the answer man on projecting, planning and supplying the communications needs of new industry. He's shown above with Bob Sweeney, manager of the Sioux City Chamber of Commerce.

"You must always be thinking of the future in this business," John says. "We have to stay ahead. I think a man who has something to offer this outfit won't have a minute's worry about what it can do for him."

*If you're a capable guy—looking for an action job with rapid rewards for the man who can handle it—you'll want to visit your Placement Office for literature and additional information.*



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