

## TECH



## NEWS

SCHOOL OF TECHNOLOGY

Vol. III No. 6

Thursday, December 1, 1955

By Student Fees

## ISRAEL CONSUL TO ADDRESS COLLEGE



Israeli Consul General Mr. Semah C. Hyman.

On December 13, at 5 P.M. in the Faculty Room, S 200, the consul General of Israel, Mr. Semah C. Hyman will speak at the invitation of the CCNY Chapter of Tau Beta Pi, (the National Honor Engineering Society). His speech on the "Arab-Israel Crisis" will be open to the public and all interested students and faculty members are invited.

Mr. Semah C. Hyman was born and educated in London. During World War I, he joined the First Battalion of the Royal Fusiliers and served in Palestine.

In 1922, Mr. Hyman took up permanent residence in Palestine. In 1945, he was appointed a member of the Palestine Government's Panel of Arbitrators in Industrial Disputes. In 1948 as chairman of the Committee on Civil Service Personnel.

In September 1950, he was appointed Economic Counselor to the Israel Embassy in Washington until 1951, when he became Israel's Minister to the Union of South Africa, a post which he held until his appointment in 1955 as Consul General of Israel in New York.

## CURRICULUM CHANGES SEEN

It was recently disclosed that the curriculum of the School of Technology will undergo many major changes and that a proposed newly revised curriculum will be instituted in the Fall of 1956 semester.

Dean Allan noted that "the most complete revision of courses will take place in Electrical and Mechanical Engineering courses". The revisions in Civil and Chemical Engineering courses rest only on a re-evaluation of credits.

The announcement of the specific changes will be released pending the decision of a general faculty meeting to be held during December.

He indicated that, "the major changes will be in the emphasizing of basic engineering sciences, rather than toward specialization". Furthermore, he stated, "that it must be remembered that courses are continuously changing in syllabus although not in name. Approximately every five years the curriculum goes through a major change that in reality consists of re-naming courses corresponding to the actual syllabus content."

The Dean made it clear that these changes would not mean a lengthening of the time required for graduation. There will still be 145 credits required for a degree which will in effect still keep the same number of class hours.

Should these potential changes be approved the present elective system of the EE Department will cease to exist and in its place there will be "Honor" classes. These will be given in lieu of certain required subjects.

## HKN CCNY CHAPTER GETS NAT'L AWARD

As a result of a full and varied program of activities during the 1954-55 school year the Beta-Pi chapter of Eta Kappa Nu (the Honor Electrical Engineering Society) at the City College has received an honorable mention award in the national "outstanding chapter" judging. The Silver Achievement award plaque is presented annually by the New York Alumni Chapter of Eta Kappa Nu which reviews the activities of the 58 undergraduate chapters in engineering schools from coast to coast.

The presentation of the award was made at the recent semi-annual Initiation Dinner at which 17 new undergraduate members and Mr. A.G. Schillinger, a member of the EE Department were formally inducted. Mr. J. Stiener, Vice President of memberships of the N.Y. Alumni group, presented the award and cited the distinguished record of the City College Chapter.

Since the short period after the chapter's conception in 1946;

Cont. on Page 6

## VECTOR OUT NEXT WEEK!

This term's first issue of VECTOR, the Engineering School's Journal, will be on sale December 7, 8 and 9 at Knittle Lounge, Lincoln corridor, Tech Crossroads, and in Townsend Harris Hall. The issue contains such articles as "Single Sideband", a method of radio transmission which cuts down interference from other stations, "Ion Exchange", a special type of chemical process, "High Fidelity", and "Project Engineering."

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## TECH



## NEWS

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## PROPER SCHEDULING...

The following editorial has been submitted by our Evening Session Staff. The importance of the problem to our evening session readers is obvious.

How does a student schedule two classes in succession if one ends at 8:35 P.M. and the second starts at 8:30 P.M.? This is one of the major and seemingly easily avoidable problems confronting an evening session student during registration. The non-uniformity of class hours in the evening session leaves the engineering student with breaks between classes of a half hour. It is very difficult and highly inefficient to devote this free time to serious study in the library since nothing can be accomplished and this time is unnecessarily and irretrievably lost.

In addition, most evening en-

gineering courses start at 6:30 P.M. or later. Thus an evening session student is limited to taking 6 or 7 credits a term and then with classes four or five nights a week. The problem of classes starting late also affects day-session engineering students who are required to take an evening session course due to a conflicting day-time program.

It is true that as one advances along in the curriculum the number of students enrolling in each course decreases thus requiring fewer sections for each course. Nevertheless, with a better planned evening session schedule in which courses start earlier and are better standardized, the student can take the same 6 or 7 credits in two or three nights a week leaving him more time for homework and study.

REDEDICATION  
NEXT WEEK

Thursday, December 8, between 10:30 to 12 o'clock, classes will be canceled in order that students may participate in the Dedication of the North Campus buildings. The stately proceedings will be inaugurated by an academic procession to the Great Hall, by faculty members (in academic costume) and honored dignitaries.

The highlight of the agenda will be a speech by Pres. Buell Gallagher and the presentation of plaques, which will be placed on the buildings soon after the dedication.

Honored speakers are: Dr. Cavallaro, representing Wingate Hall; Dean Gottshall, for Shepard Hall; Dean Cohen, for Klapper Hall; Prof. Harrow speaking for Baskerville Hall; and Mr. Reidel (C.C.N.Y. Engineering alumnus) for Goethals Hall.

Following the Great Hall ceremony, a luncheon will be served for the guests in the Faculty Lounge (Shepard Hall). The visitors will then proceed to various activities in the different buildings. The classes and laboratories of Goethals Hall will be open for inspection during the afternoon and Klapper Hall will welcome honored guests for refreshments including a brief ceremony from 4:00 to 5:00 o'clock. There will be a display in Lincoln Corridor, and in the gymnasium of Wingate Hall a series of activities is planned from 12 to 1:00 o'clock.

The Committee on Ceremonial Occasions under Prof. A. Mallon has planned the entire event and the members are expecting a festive and memorable day.

## PETITIONS DUE

Nominating petitions and election rules for the forthcoming Student Council elections will be available starting Monday, November 21 in the SC office (151 F). Petitions will be accepted starting Monday, Nov. 28. The deadline for handing petitions in is Friday, December 2, at 5 P.M.



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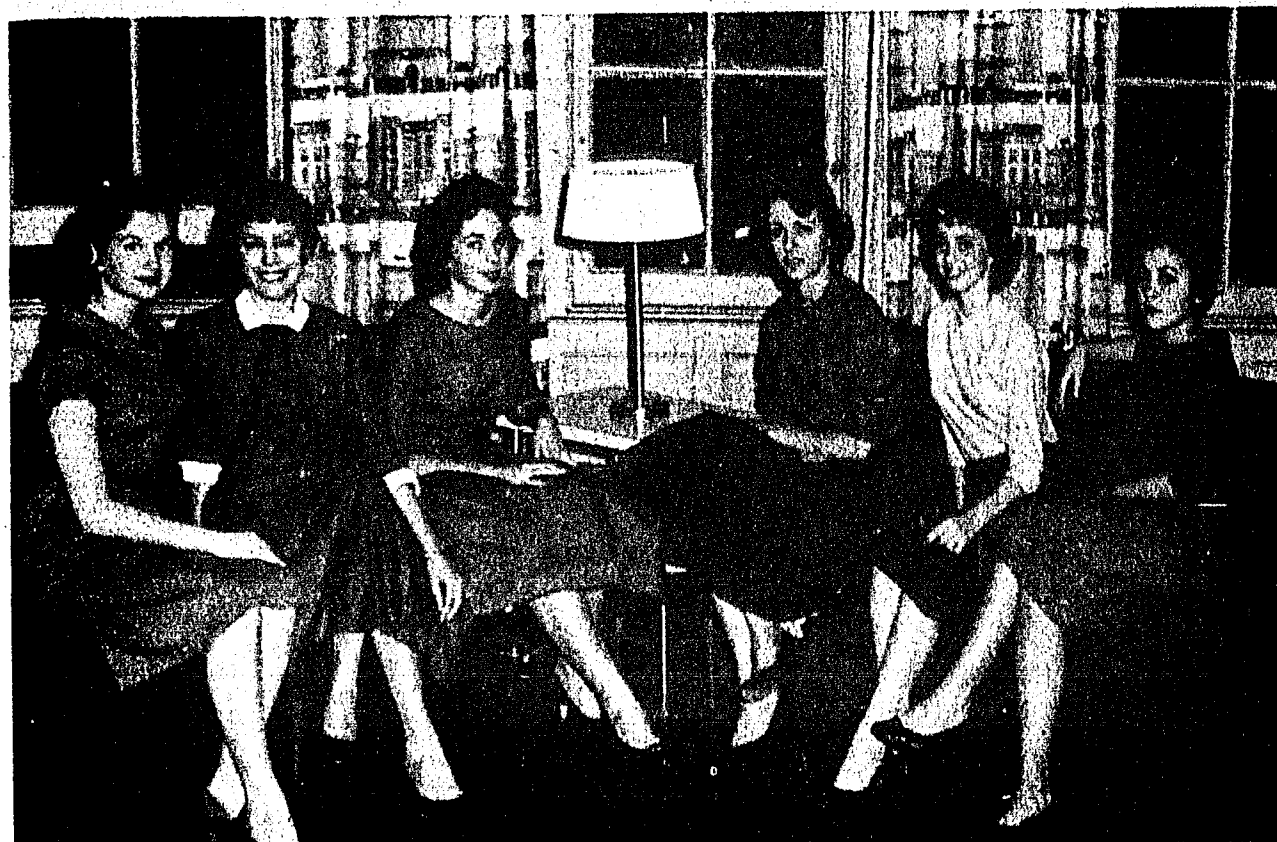
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## BEAUTY CONTEST FINALS HELD DEC.1

BALLOTING BY CONTRIBUTION, PROCEEDS TO MUSCULAR DYSTROPHY



Above are the past six finalists in the Beauty Contest. Left to right: Lynn Greenblatt, Patricia Cranes, Barbara Breskin, Joyce Kane, Brenda Tenen, Sandy Raifman.

You too will have a choice in selecting Miss Technology. The balloting will take place today at voting booths set up on both the north and south Campuses. Tau Alpha Omega fraternity is staffing both booths. The voting procedure will be similar to that used in the recent "Ugly Man Contest". All the proceeds shall be donated to the Muscular Dystrophy of America.

The six young ladies competing in the contest are pictured

## COMING EVENTS

ec. 1st, Thursday

ChE: "Petrochemicals" National  
Petro-Chemical Corp. H103

ME: "Sports Cars" Ford Motors  
H017

EE: Lecture by Prof. H. Taub  
S306

CE: "Underpinning"  
Edward White

ec. 8th, Thursday

ChE: "Epoxy Resins" - H 103

ME: Cultural Meeting - H 017

EE: "Color Television"  
C.B.S. T.V. Receivers  
S 306

CE: "Architecture", Prof. Walsh

above and it is hoped that City College students will empty their pockets in voting for their choice in the Miss Technology of 1955 contest. By your voting you can join the fight against Muscular Dystrophy.

The last addition in the group of finalists is lovely MARY BORIS, hazel eyed beauty from Brooklyn. Majoring in dramatics, Mary is also enthusiastic about social dancing. This comely brunette haired Freshman stands 5' 5" and weighs a neat 120 pounds. Her measurements are a trim 36-24-36.



This week's finalists: Mary Boris

X TECH  
-ROADS

## CULTURE ?

Since the recent Cooper Union auditorium performances "Tau Beta" men have gone international. Several sources have noted that at the recent recital of Israeli songs and dances the members accompanied by a group of lovely females went back stage and succeeded in getting themselves invited to the Israeli Club by the leading vocalist.

Dec. 2nd, at 8:30 the Cooper Union presentation presents free, a study of Japanese Dances. All are advised to come early as the performances are always packed. Besides, the City men may, on their next visit back stage, be invited to the Japanese consulate for a sip of tea.

## FREE JAZZ DEMONSTRATION TODAY

The Modern Jazz Society invites all Tech students to a Jazz Demonstration entitled "Jazz in Modern Volume I", on Thursday, Dec. 1 at 12:15 P.M. in the Grand Ballroom, Finley Center.

Top rated jazz bassist CHARLES MINGUS and members of the Jazz Workshop will appear.

## SOPH. PROM TICKETS ON SALE

Tickets for the Soph. Prom to be held at the Hotel Statler on Dec. 26th are now on sale. Les Block and his nine piece orchestra will provide the music. A semi-formal affair, the cost is only \$4.00 per couple. Tickets may be purchased at 151 Finley from 2 to 4 P.M. and in the ticket bureau, Room 153 Finley, from 11 to noon and 1 to 2 P.M. On North Campus tickets are sold on Thursdays in Room 205 from 12 to 2 P.M.

Items for this column may be placed in the envelope on the TN bulletin board in Compton Hall, first floor.

# TECH LIFE

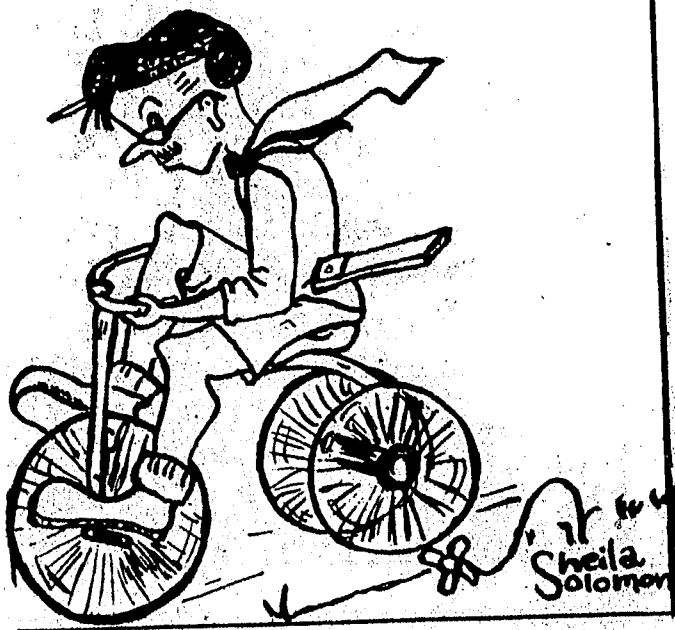
## ASCE HOLDS INDUCTION DANCE

The ASCE held its semi-annual Induction Dance, on Friday, Nov. 18, 1955. The hotel site, which was becoming as traditional as Dean Allan's speech, was changed from the Picadilly to the Capital.

Pres. Joe Pendergast led off the evening with some witty mocks of the Instructors and afterwards swore in the new members. There was a sizeable number of inductees and their presence was illuminated by the appearance of a very pretty young lady, who will accompany the only other woman member in the society.

After Dean Allan was introduced, he expressed his enjoyment in attending these functions with Mrs. Allan. Prof. Willig spoke of the intergration and relations of our student chapter and hoped all would continue their membership becoming senior members upon graduation.

It seems the new theatre stage prompted the instructors to dazzle the students with their talent. Inspired by the leadership of Mr. Papoulas and Mr. Brandt, the instructor's skit was derived from a general topic, not specific school incidents, so that the women guests could also enjoy the comedy. Profs. Kaplan, Hartman, Cohen, Lorsch, Muss, and Keosaian were members of a secret organization which strives



## CHEM E'S HEAR ANTHROPOLOGIST

On October 27, AICHE held a cultural meeting. Prof. Champion spoke of his associations and studies of the Taruhumara Indians of northern Mexico. These people are isolated from civilization and speak their own tongue and some Spanish. They are very shy and often sit among themselves for hours without speaking. The Taruhumara is quite skillful with the machete which he acquired from the Spanish and hews boards for houses, clears land, and with the aid of a pen knife even makes guitars and violins that are quite satisfactory.

The main source of food is corn from which they make liquor. They often have wild and strange rituals that last as long as the liquor does. This serves as a means of their facing inner feelings which their inhibited mode of life tends to pent up. The tribes are ruled by a series of chiefs that are elected by the populace for an indefinite period of office and are cast out when they fail in their capacity. It certainly was amazing that in this technological era, life so primitive was so close to our borders.

to frustrate the student in all phases of activity.

Prof. Keosaian showed color movies of the calmness and serenity in summer surveying camps which was enjoyed by all. The finale was staged by a choral group, in which the performers joined by Dr. Moskvitinoff and Mr. Armenakas, sang about the terrifying C.E. marking system.

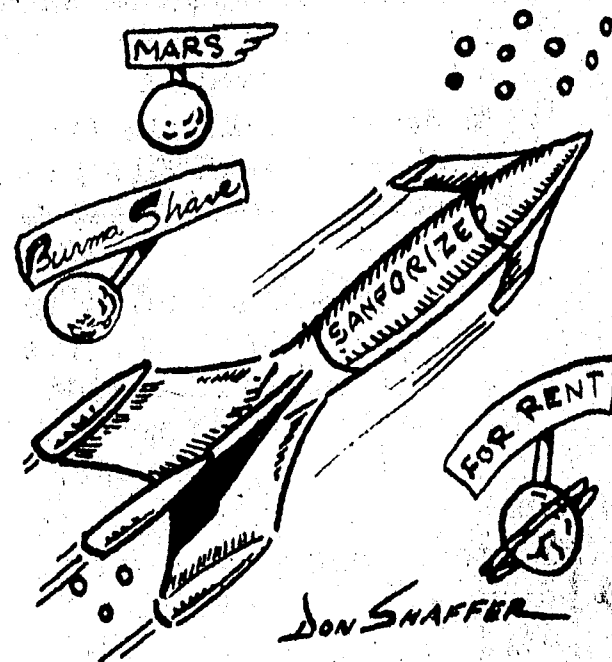
The students, striving to outwit the instructors, placed second in their performances. The boys had some sharp scenes impersonating the instructors; and the chorus in the background, led by Gil Zalman, added to the depth of the acts. A splendid portrayal was given by Marty Lippman, who imitated an over aggressive

Cont. on Page 7

## ROCKET ENGINEERING DISCUSSED AT AIEE - IRE

A talk on "Rocket Engines and the Reaction Motor" was given by Mr. J. Ayers of Reaction Motors before AIEE on Thursday, Nov. 10.

A film, "Exploring Space", was shown indicating the principles and problems concerning rocket engines. The principle of the rocket is based on Newton's third law of Motion: Every action has an equal and opposite reaction. Rockets are actually an ancient Chinese invention.



The major problem confronting rocket engineers is fuel. Solid fuels were investigated and it was concluded that once these fuels were fired, there was no way of controlling their rate of combustion. Therefore, they have only a limited use in rocketry. Liquid fuels were found to be best suited for use in rocket engines. The use of alcohol and liquid air, and alcohol and nitric acid was demonstrated. A rocket engine consumes 9-10 tons of fuel in sixty-five seconds and reaches an acceleration of 8-10 g's.

At the end of the film, Mr. Ayers pointed out that rocket engineering is a team proposition employing all types of engineers and technicians. The future uses of rocket engines and reaction motors include the powering of missiles and airplanes and in powering the planned space satellite.



# LETTERS TO THE EDITOR

November 28,

Dear Editor:

Though inferior in size, TECH NEWS carries no sign of inferiority in its character. It is for this quality that I decided to write a letter to you.

One of your previous issues mentioned a meeting of engineering students in which the discussion revolved about the existing disharmony between the tech students and the liberal art students. Whether this disharmony actually exists or not -- the very thought of it appears trite and immature. It makes one wonder and doubt whether some students have fully and maturely understood their function in school -- for that matter, in life. The thought, that within the small sphere of our school there should exist a feeling of resentment and disrespect among the students toward the various types of education, makes one shudder and look toward the future harmony of our nation with the slightest hope. To imagine a nation in which architects, artists, engineers, journalists or scholars will continuously look down upon each others function and importance is impossible.

It is, therefore, of the utmost importance that the liberal art student begins to realize that he is no more civilized than the man who chooses engineering as his function in society. At the same time, the engineering student must admit that he is no way, shape or form a better man than the one whose interests lie in the field of art.

Only then can we dare to call ourselves "better" and "civilized", when we begin to live and work harmoniously together.

William H. Kleist  
(Evening Session) Liberal Arts

## GIVE BLOOD

# CHAMBER MUSIC RECITAL HELD

Wednesday evening, Nov. 23, the four engineering honor societies sponsored a chamber music recital. This was the first in a series of events designed to make the engineer more culturally rounded. As such it was very successful.

## CCNY FAMED CHAMBER MUSIC TRIO

The presentation was by Prof. Jahoda, Prof. Deri (both of the New York Trio) and Mr. Di Gangi. The trio played Beethoven's "Trio in B-Flat Major". Prof. Jahoda first analyzed chamber music in general, and the piece in particular, before the actual performance took place. He likened chamber music to "intelligent conversation among people," showing how a topic, or theme, is chosen and then expanded upon. As is often the case in spoken discussions, there are digressions, repetitions, and interruptions of one person by another. There were three movements, and Prof. Jahoda went through each, pointing out the repetitions of the main theme and the noteworthy points of interest.

If this is indicative of the caliber of the planned series, as indeed it must be, then we have quite a program to look forward to.

## AL A. GAROO

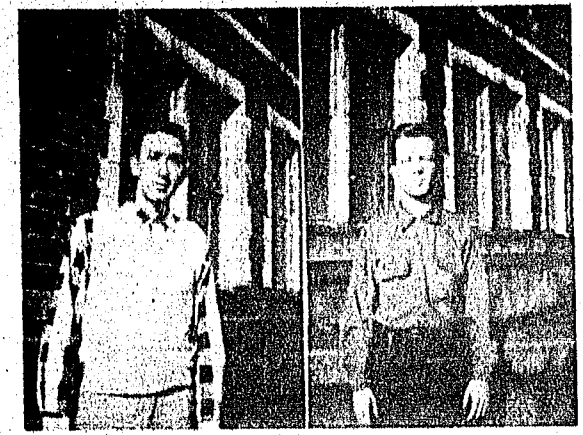


# THE INQUIRING TECHNOGRAPHER

In view of the recent thoughts of changing the Engineering Curriculum the following question was asked: Do you think that the engineering curriculum should be extended to five years?

## DOMINICK DeMARCO U JR. 5

No! Any engineer who feels that his training in engineering or the liberal arts is inadequate can take additional courses during the summer or after graduation.



Dominick DeMarco; George Schiller

## GEORGE SCHILLER U. JR. 5

Definitely not! I believe that increasing time requirements for graduation will not produce a change in the graduate worthy of an extra year of study.

## WALLY CHINITZ L. SR. 5

Yes! The curriculum should be extended for five years to allow more time for liberal arts courses which have been neglected. These courses should be given through an elective system.



Wally Chinitz; Robert Marks

## ROBERT MARKS U. JR. 5

Yes! The inclusion of liberal arts subjects should be extended. The engineer should be able to converse with and understand other people of varied backgrounds and interests.

## EE RECORD CARD TO BE FILED

The EE department keeps a record card on every electrical engineering upper classman. Over the years, these records prove invaluable to the staff and students when inquiries are directed to the College from former or future employers and other professional sources. The effectiveness of this personal and scholastic information obviously depends on the completeness of the data recorded on these cards.

Students are urged:

- (1) To see the EE secretary, Miss Silverstein, in Room H104.
- (2) To fill out both sides of your record card as completely and as promptly as possible.
- (3) To keep your record card up-to-date.

## HKN WINS AWARD

Cont. from Page 1

one first prize award and five honorable mentions have been won in nation-wide chapter competition.

Some of the factors which contributed to the good showing of Beta Pi chapter were the many service projects which included laboratory breakage insurance, slide rule classes, and the recently instituted lecture series at Metropolitan High Schools by the chapter's membership. These talks featured the engineering student's point of view on engineering education.

Following the presentation, Prof. Hansteen, faculty advisor to HKN, congratulated the chapter on its outstanding record and distributed the keys and



Irwin Krittman, during Johnny Ray Pantomine Act.

certificates to the new members.

The guest speaker at the induction dinner was Prof. Harward of the Humanities' Department, who delivered a fascinating talk on "Conformity". Prof. Harward began his talk with a cleverly humorous introduction; however, he directed his talk to a very serious discussion. He stated that "the American people glorify on being second-rate. The chief goal of the American is to obtain leisure time."

He elaborated by saying that pressures in our society are produced to make individuals "conform to habits of the majority in work, politics, religion and education."

He noted that since engineers, today, indirectly control large numbers of people they are of primary importance. Therefore he concluded by advising his audience to refuse to accept "mediocre of yourself and others. Refuse to accept second-rate. Think of yourself. Commit yourself to your work and don't conform to the ideas of others!"

Prof. Harward received a thunderous ovation.

As is the custom, after the speeches, the initiates entertained both members and guests. The highlight of this diversion was Irwin Krittman's pantomime of Johnny Ray.

By Kurt Trampel



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## CAMPUS GRIDDLE



## STEINMAN AWARDS PRESENTED

The first of the annual David B. Steinman Awards for undergraduate assistance the School of Technology will be made Nov. 19, by Dr. Steinman to four City College Engineering students.



Front, left to right: Stamatis Thanos, Nicholas Voulgaris, Dr. David B. Steinman, Gershon Furman and Raymond Yee.

Rear, left to right: President Gallagher, Dean Allan of the School of Technology, Professor Schmidt of Chemical Engineering and Professor Rappolt of the Drafting Department.

The recipients of the grants were Raymond Yee, Nicholas Voulgaris, Gershon Furman and Stamatis Thanos, all majoring in electrical engineering.

The selection was based upon the character, scholarship, scope of knowledge and interests, and degree of financial need of the student.

Dr. Steinman is the internationally-famed bridge builder and is a graduate of CCNY, class of 1906 and a former professor of Mechanical and Civil Engineering at the college.

### INDUCTION DANCE ....

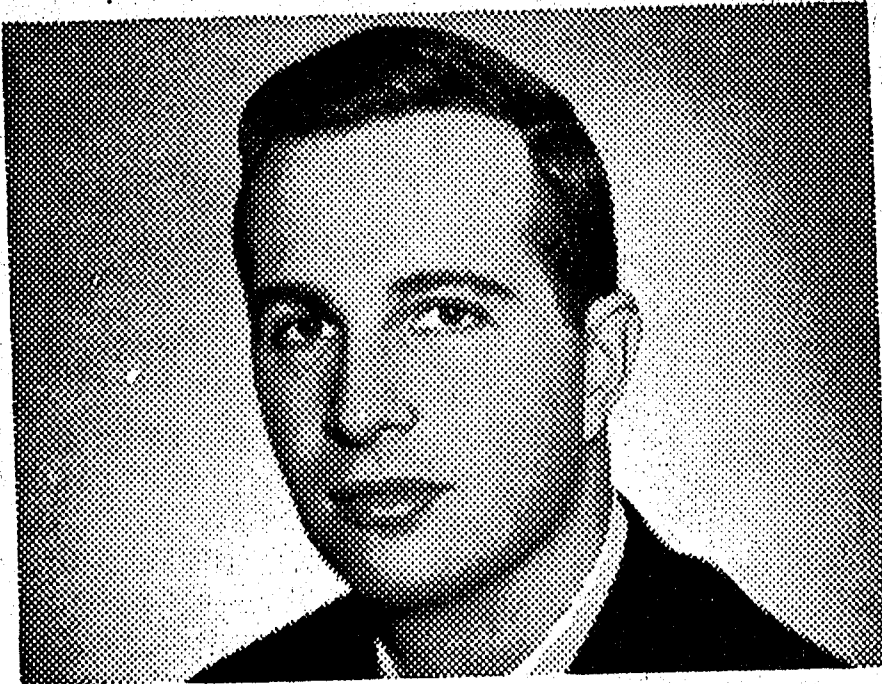
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student who disturbs instructors by asking too many questions. Dick Schwartz came flying across the floor on a tricycle, impersonating Prof. Pistrang and his motorcycle. All who participated did a splendid job.

The remainder of the evening was devoted to chaos, mambos, polkas, charlestons, rhumbas, and fox-trots. It was truly an enjoyable evening.

By Harvey Rothenberg

## Why the editor of a great newspaper reads The Reader's Digest



*"The Reader's Digest publishes controversial and important articles, regardless of the pressures that may prevail. This is a valid reason for the respect with which The Reader's Digest is read by millions like myself, not only in the United States but throughout the free world."*

Ogden Reid, President and Editor, New York Herald Tribune, Inc.

## In December Reader's Digest don't miss:

**CONDENSATION FROM THE \$4.50 BOOK: "THE MIRACLE OF LOURDES."** The cures at this Catholic shrine—cures of the hopelessly sick and crippled—have stirred controversy for years. Now a Protestant (who lived in this French town, questioned doctors, nurses and patients) verifies facts about Lourdes and its miracles.

**HOW TO WRITE FASTER.** Want to double your writing speed in a short time? Here's an easy system of word abbreviation that can help you make full, legible notes in classrooms, at lectures; take messages over the phone—may even help you land a job.

**MYSTERY OF EASTER ISLAND.** On a remote Pacific isle stand giant, stone-age statues—some weighing 30 tons. Who carved them? How did they get there? Story of one of the world's most baffling mysteries.

**REDISCOVERING AMERICA.** A real supermarket, Negro major-league ball players, luxury motels, "do-it-yourself" servantless homes—Paul Gallico tells the amazing revolution that greets an American returning to his country after 15 years abroad.

**Get December Reader's Digest  
at your newsstand today—only 25¢**

38 articles of lasting interest, including the best from leading magazines and current books, condensed to save your time.

## ASCE COPS HOOP HONORS

ASCE defeated AIEE 73-57 to cop its third slide-rule championship. The CE's led throughout, and managed to stove off a last ditch EE rally to take their seventh consecutive game of the campaign. Harry Rothenberg and Dick Schwartz led the CE's while Lloyd Smith, Marty Goldsmith and Sheldon Horing paced the electricians with 16, 14, and 13 points respectively. The present standings are:

ASCE	7-0	ASME	3-4
AIEE	3-4	AICHE	1-6

ASCE, over the past four terms, has taken three slide-rule championships, has been victorious in 24 out of the 28 games played during this period and has had winning streaks of 15 and now 7 games. What is the story behind this phenomenal success? The meteoric success of ASCE does not hinge on one man, but, rather it has centered around a tremendous amount of team play together with a class spirit that has permeated every member of the squad.

This semester Dick Schwartz has played in 24 consecutive games, while Norm Miller, Al Wolfman, Harvey Rothenberg have played in virtually all of the games during the last three terms. This has led to a tremendous amount of teamwork.

However, since all of the veterans this term are graduating it will be up to reserves Earle and Stan Schwartz and Al Rozman to form the nucleus around which the future ASCE squad must be built.

### EMERALD BAR

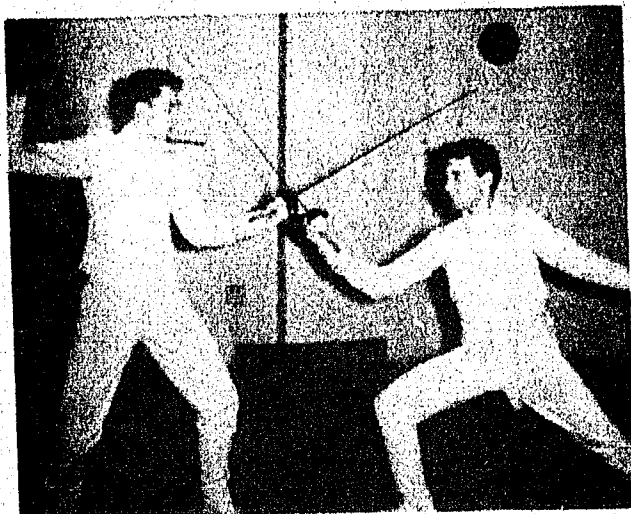
1624 AMSTERDAM AVENUE  
(Corner 140th Street)

SANDWICH SPECIALTIES

COLD CUTS  
TO ORDER  
ON INDIVIDUAL  
LOAF OF BREAD

FOUNTAIN  
SERVICE

## TECHMEN STAR ON FENCING SQUAD



Norman Zafman and Jonas Ulenas, Veteran Epeemen.

In the past, engineering students have contributed much to the success of the College's fencing varsity. This year, as often before, techmen will play an important role in the season's outcome.

Jonas Ulenas and Norman Zafman, veteran epeeman and senior electrical engineers, will be fencing in crucial positions when the varsity opens its competitive season in two weeks against the national champions from Columbia.

Last year's trio of epeemen, Ulenas, Zafman, and Wolfe, are returning stronger and more experienced; but the severe losses felt in the other weapons because of the graduation of many veteran fencers have increased the burden on them.

However, if pre-season competition is an indication of what will be done during the season, Coach Edward Lucia can sit back a little more comfortably. Last month the three won the AFLA (Amateur Fencers' League of America) Novice Epee Championship; in fact, they were the defending champions of 1954.

Last year, Ulenas, Zafman, and Ancile Mauldin, former editor of Vector and now a graduate electrical engineer, also won the AFLA JUNIOR Epee Crown, which will have to be defended next month by the present team.

Perhaps the most promising achievement of the pre-season

competition has been Norman Zafman's selection to the United States Olympic fencing squad after his successful tryout last October. The six epeemen who will journey to Australia next year will be chosen from this squad after future competitions are held.

In the 1952 Olympics held in Helsinki six City alumni fencers competed including Albert Axelrod, a graduate EE.

Academically Ulenas and Zafman are top students in their classes. Ulenas is a member of Tau Beta Pi, while Zafman has recently been inducted into Eta Kappa Nu.

Electrical engineering has recently made another noteworthy contribution to the fencing world. This is the design of the electrical foil which automatically records every valid touch.

By Norman Zafman

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and Photostats

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*The Clarinet*

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## HEROS

AT

FRANK & BOB'S SANDWICH SHOP  
CORNER OF TECH BUILDING

DELICIOUSLY  
DIFFERENT

SPECIAL:  
HOT MEAT BALL  
VEAL & PEPPER 45¢  
EGG PLANT

THE CITY

Vol. II

WILLI  
RICHMO



Prof. William of Staten Island College. School to be shared by students. \$125/semester

The trust university of chosen Prof now Asst. I the Dept. In the Sch the City Co President college on selection ment of P Queens Col Deen of th nology.

Our own wide academic experience work and teaching h ment memb sional soc ASCE, the Professi American ing Educa Since 1950 administr graduate of Technol