



# TECH NEWS

SCHOOL OF TECHNOLOGY • CITY COLLEGE OF NEW YORK

VOL. IX, No. 5

THURSDAY, DECEMBER 4, 1958

By Student Fees

## AMERICAN SOCIETY OF ENGINEERING EDUCATORS TO MEET HERE SATURDAY

On Saturday, December 6, the Fall Meeting of the Middle Atlantic Section of the American Society for Engineering Education. At 11:00 A.M., a General Meeting of members will be held

in Finley Student Center. Dr. Buell G. Gallagher, president of the college, will give a welcoming address to the members in attendance. Dean William Allen will introduce the keynote speaker, Dr.

Ernst Weber, President of Polytechnic Institute of Brooklyn. Dr. Weber will address the body on the theme, *Dynamics of Engineering: Uniformity or Quality*.

Also included on the program will be a series of panel discussions on the following topics:

Evaluation of Student Performance  
Role of the Laboratory in Undergraduate Education  
Nuclear Energy in the Engineering Curriculum.

The panels will be composed of educators and administrators of engineering schools and representatives from industry. These discussions will be open to students and will start at 2:00 P.M.

The American Society for Engineering Education, formerly known as the Society for Promoting Engineering Education, has been in existence for 65 years, and is composed of 16 regional sections covering the entire country. City, an institutional member of the Mid-Atlantic Section, is re-assuming the role of host for the first time in fifteen years. Prof. Frank Rappolt, Chairman of the Drafting Department at the College, is the General Chairman of the event.

Upon payment of a one dollar fee, non-members may attend the conference. Student volunteers are being sought to act as guides and messengers. Interested persons should consult Prof. Rappolt in his office.

The program of events is as follows:

10:30 Business Session  
11:00 General Session  
12:30 Luncheon  
2:00 Panel Discussions  
3:30 Lab Inspections  
4:45 Social Hour

The meeting is open to the public; on payment of a \$1.00 fee non-members may attend the conference. Student volunteers are also being sought to act as guides and messengers. Those persons who are willing to devote their services in the aforementioned capacities should contact Prof. Rappolt.

## THE NOVEMBER VECTOR: A REVIEW

If there should be any purpose for the publication of *Vector* magazine it should be the extension and stimulation of student thinking. Also since each issue is circulated nationally and is taken to be an example of the work of City's tech students every issue should consist of the highest quality articles and artwork. In criticising *Vector*, however, one must be considerate of the staff's lack of time and experience. The best gauge possible then are old issues of the magazines not professional publications. Unfortunately the November issue suffered from such a veneer of amateurism that one wonders whether it could better be mimeographed. Somehow it lacked the drive for excellence evident in previous years.

The articles, in general, displayed the usual student writer's fault: pedantry and wordiness. I remember how when I was a lowerclassman the articles were written above my head and now when I can understand the articles they tell me little.

Without a doubt Automation '58 US vs USSR was far superior to what *Vector* usually prints. Easily read, it demonstrated good use of words and technique. Extremely fine were the many illustrations and the writers' coordination of text and picture. I wish those sophomores had dropped into the TECH NEWS office first. One question occurs to me: does the article really compare American and Russian automation or does it review an exhibit presented under unfair circumstances. It's quite possible that a similar exhibit presented in Russia, if accepted as indicative of national levels of technology, would favor the Soviets. I also wonder whether the inventions described really are symptomatic of automation. They seemed to be highly developed specialized machines but none really demonstrated the most important facet of automation, the control of machines by machines.

The ME-247 article was adequate, told what it had to tell and presented a good example. It would have been nice, however, to have been able to read about some of the more outstanding projects undertaken such as the project I heard Mr. Zeiberg describe. It involved some engineers who ran a jet engine that drew the attention of the police and the fire department with its melody.

Murdock's article on the Sound of Stereo was written in a cute commercial style with ample optimism. One thing which articles like this always fail to do is explain the obvious. I've never read exactly why a cartridge works or exactly how a tape recorder records. But I'm always told what to buy or what I'll soon be able to buy. The research must have been intensive but not intensive enough. For instance, it's stated that one FM tuner contains provisions for multiplex operation. From what I've heard quite a few tuners have a socket waiting for

(continued on page 8)

# TECH NEWS

## EDITORIAL BOARD

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Progressive Printing Co., 652 Hudson St.

## COMMENTS ON TECH AFFAIRS

These have been trying times for the tech school coordinating council, THIC. The body is presently functioning under its third president since September and as a result has had enormous difficulties in sustaining any kind of imaginative programs.

Integral with the unstable leadership is the emergence of petty politics which only serve to divert the already limited energies of council from constructive and important matters such as E-Day, a Personal Development Program, invitation to speakers and various social events. The body seems

reluctant to devote no more than just passing comment on these issues, while internal squabbles gobble up any free energy.

The recent motion to impeach the recording secretary is indicative of the present affairs; should the motion be passed the body would have to devote precious time to a proceeding. Perhaps this would not adversely affect an efficient, smartly committed organization which could work smoothly and independantly of the main council; unhappily, this is not the situation with THIC; and so with the commencement of E-Day preparations several weeks overdue (if past years may serve as a precedent) the council is threatening itself with a bogging down action which could lead to quite a bit of strain to the entire body.

Speaking of E-Day we have yet to hear of any plans from the chairman, Phil Seidenberg. A few innocuous signs here and there seem to be the extent of his campaign for volunteers. We suggest he start to outline publicity procedures—this newspaper is ready upon his go ahead signal. We sincerely hope things get moving soon.

\* \* \*

Last week Vector hit the stands with an enclosed questionnaire. Some of the questions concerning money matters were rather poorly thought out such as the one which asked if we would like to receive Vector free. We can think of no reason why someone would not want to receive Vector free. The other questions seemed to be interesting and we hope they will serve Vector in the fashion they were intended.

\* \* \*

Our artist has created an imaginative cartoon which says that compared to other metropolitan colleges, the degree of student interest in worthwhile organizations and projects is not really as low as the folks who cry apathy would have us think. Indeed, when one stops to count the number of clubs (not fraternities or house plans) which are actively functioning and also the difficulty of obtaining a room in Finley Center for a meeting one can come to the conclusion that the apathy cult is losing influence at the college.

## GIVE BLOOD



## OPPORTUNITY FOR TECHNICAL WRITERS

VECTOR, the undergraduate engineering magazine at the college exists to provide an opportunity for students to express themselves and to gain experience in technical writing. By having an article appear in VECTOR, the student not only increases his own personal prestige, but he also increases his value to future employers by showing evidence of his technical writing ability. In addition, the reputation of the college is enhanced by more and better articles in their magazine since VECTOR is read not only at City College, but also by members of industry and students at other colleges.

The opportunity that exists is not fully appreciated by many engineering students. To appreciate it, it must be taken advantage of. Articles may be written on any technical subject such as any phase of a course which is of particular interest or that is not fully covered in class. Perhaps you have had an interesting summer job in engineering and wish to write about it.

If you have a subject in mind that you want to write about but need editorial help in expressing yourself, VECTOR's staff is at your disposal to give you this help. If you have an idea along these lines, why not stop in at the magazine's office, 331 Finley, and talk it over with them?

It seems outfit with this term probably want to press that Just spectacle attire is at least way that but with

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# TECH LIFE

It seems apparent that the dunce outfit worn by Zeta Beta Tau pledges this term is designed to eliminate the probability of finding people who will want to pledge next term. And I doubt that Justice Frankfurter would be impressed with this sort of degrading spectacle. Epsilon Nu Gamma's pledge attire is no better but these people are at least something to laugh at in the way that one does at a child's antics, but with less respect.

Last summer at least four C.C.N.Y. students went abroad for on-the-job training in industry. The program is sponsored by the Institute of International Education, and is available for upper-term undergraduate and graduate students in the fields of Science, Engineering, Architecture and allied fields. Information can be secured in the office of Asst. Dean of Engineering, Hem, S118.

As to our headline: "The Integral Ball," sponsored by all Tech societies, will be on Friday evening, December 19, at eight P.M. in the Finley Center Ballroom. Marv Adler's band will be featured, with students providing the balance of the entertainment. Food will be served; and parking on campus will be on a first-come, first-served basis. It should be a fun affair. That's December 19. Tickets are three dollars per couple.

Today, Mr. Arthur Sherman, supervisor of the testing department at Reaction Motors Inc., and an alumnus of the College, will speak before. ARS in S126 on the engine his company is working on for the X-15 research vehicle. He will bring with him a 15 minute color film of tests run on the engine.

On November 20, Prof. Jerry Gray, of Princeton Univ., spoke to about one hundred students on propulsion systems of the future, under the sponsorship of ARS. The Professor, making use of slides to illustrate the talk, delivered a lecture about which I've since heard nothing but high praise. I hope ARS has already extended him an invitation to speak again.

At today's ARS meeting, tickets for the trip to the Naval Air Rocket Testing Station, in Dover, N. J. will go on sale and those who wish to go, had

better secure a ticket as quickly as possible since only a limited number of people will be allowed on the base. As I promised last issue, here's a run down on the agenda for the trip: After being welcomed by the CO, the group will be briefed on the mission and organization of the station; the Chief Engineer will describe the NARTS engineering programs; the head of the propellant division will talk on the principles of rocketry; a pertinent motion picture will be shown and a project engineer will speak; then there will be a break for lunch. Later there will be a tour of the test area, conducted by the head of the rocket engine division; and a demonstration firing. A tour of the Reaction Motors, Inc. facilities will complete the day, December 29.

On December 18, Mr. Joshua Wachtel of the accounting department at the Baruch School, will speak here on "The Relation of Economics and Cost Accounting to Engineering." (See the boards at the Crossroads for details.

Mr. Jacob Klapper of the EE Department, recently married the former Miss Molly Teicher, a senior at the College. Our best wishes.

Dave Ozerkis deserves congratulations on the success of the ASCE induction dinner a few weeks ago. From what I'm told, the faculty members present who performed would make a good addition to the entertainment at the coming "Integral Ball." (Ugh, that name!)

## PRIZE PAPER

(continued from page 6)

original in engineering content, but should be original in treatment . . ."

For further information and advice in organizing the paper students should see Prof. Harold Wolf (IRE Representative) and Prof. Hunt (AIEE Counselor). Each paper must have their approval well before the deadline date of March 13. Many students have found the time to devote to the final writing of the paper over the Christmas holidays or during intersession. If there is not sufficient time to produce a prize-winning paper for the 1959 contest, it is now not too early to start working to win first prize in 1960.

JULIUS SOLLER

## Dear Irving

Dear Irving:

My fiancée has a face like a dog; her measurements are 42-22-38. Why should I maintain our engagement?

Irving Answers:

It's what's up front that counts!!

Dear Irving:

My girl-friend digs men in uniform. Should I join ROTC?

Bewildered Froshman

Irving Answers:

Try the Salvation Army.

Dear Irving:

My life has become effete. I seek adventure and romance.

What should I do obtain it?

Soldier of Misfortune

Irving Answers:

Apply to F. Castro.

Oriente Province

Cuba

Dear Irving:

Last week, in the lounge at Finley, a beautiful blond, blue-eyed girl approached me. Explaining that she was an art student, she asked me to pose for her in the nude.

I have always valued my control of personal emotions but I am afraid my acceptance of her proposal could lead to an uncomfortable situation. Should I accept?

Pusillanimous

Irving Answers:

If she paints in the nude, why not?

Dear Irving:

My friends say that I've got a figure fit for the movies. How can I use it to get to Hollywood?

36-24-36

Irving Answers:

Don't take a bus; let the bus take you.

Dear Irving:

I am in love with a girl engineer. I am an art major. Do you think our romance will work out?

Worried Art Major

Irving Answers:

NO!

Knock, kn . . .—opportunity only knocks once; if you pass up the opportunity to become an integral part of the mammoth journalistic empire of TECH NEWS you will regret it for the rest of your living days.



## What happens to the draftee?

Like most everyone else, the graduating engineer faces a hitch in the army. For most of them this will mean a period of at least two years. For all practical purposes the only ones who can get into the army on a six month basis are ROTC men. Naturally, no engineer wants two years of his life as a desk clerk or a foot soldier. For the engineer to fully utilize his talents means that he should try to get into the Corps of Engineers.

The functions of the Corps of Engineers can be roughly divided into two groups. In the first are the combat engineers. These are companies specifically trained in one field such as putting up a certain type of bridge under any condition. The second group does general engineering work. CE's might work with the design and construction of roads or dams; Chem E's might work with fuels or water treatment; ME's could handle specifications for machines. EE's will often work with communications—this work might be for the Signal Corps. The Signal Corps is not part of the Corps of Engineers, but is similar in certain respects.

The men working in the Corps of Engineers can be placed into one of three categories. At the top would be the officers. The majority of these come from ROTC or OCS. Those officers who went to OCS must spend at least one extra year (a total of three minimum) in the army. The officers in the Corps are using their time in the army to its best advantage. They can be approximately compared with project leaders in industry. In addition to experience on actual engineering jobs, they are developing leadership ability.

Below the officers are the specialists. The Army acknowledges their experience by placing them into positions where they can use their talents. Their work is similar to that of Jr. Engineers. Gen-

### CONSULTING ENGINEERING . . .

Prof. Bernard Kaplan of the Civil Engineering Dept. spoke on Consulting Engineering to the members of S.W.E., A.I.Ch.E., A.S.C.E. and members of the faculty on Thursday, Nov. 13, 1958.

Prof. Kaplan, who works for various communities, such as Scardale, while teaching at the College, gave the group some reasons for going into Consulting Engineering.

erally, you must have two years of experience in your field before you can become a specialist. In times of emergency, however, the Army will often give new graduates a specialist's rating.

The third category is the easiest one to get into. All you need is a strong back, broad shoulders, and a willingness to work. The men in this group are the average draftees and enlistees.

If an engineer works at a regular engineering job in the Army, he can often credit the time spent in the service towards the experience requirement for the Professional Engineering License. It is often possible for an engineer to be exempt from the draft. If the engineer works as a civilian employee for the Corps of Engineers, he is generally exempt. Working for the C.A.A., the public health service, or on important government projects in industry are types of employment that might free you from the draft. There is one other way to stay out of the Army . . . JOIN THE NAVY!

BRUCE PODWAL

## VECTOR OFFERS SPECIAL SERVICES

VECTOR, the undergraduate engineering magazine at the College offers special services to the students and faculty at the College community. These services include a library of trade and technical journals, press releases from engineering and industrial firms and a library of other engineering college magazines from all over the United States and the Philippines.

Other services of the magazine include the mailing of VECTOR to personnel managers of all the leading engineering and industrial firms and making sure that every firm hiring C.C.N.Y. graduates gets a copy of their publication. In addition, copies of the magazine are mailed to other engineering colleges throughout the country and in Europe. High school libraries in New York also get a copy of each issue of VECTOR. All of this mailing is done to publicize City College and its engineering school. During the annual Engineering Day at the college, back issues of the magazines are distributed to visitors. Last year, 3000 copies were given away during E-day.

The library service with index, and press releases are offered in Vector's office, 331 Finley. Students and faculty are invited to take advantage of these offerings. The office is open every day from 11:00 A.M.

## KNOW YOUR TECH SOCIETY

by Lawrence Jessie

What is the purpose of an engineering school? To produce an individual capable of carrying out intricate feats of technological wonder; but also to must produce well rounded individuals. The Engineering honor societies are endeavoring to keep this idea alive. The first is the National Engineering Honor Society, "Tau Beta Pi Association," whose purpose is to mark in a fitting manner those who have credited their alma mater, by distinguished scholarship and exemplary character as undergraduates, or by their attainments as alumni. One requirement for the selection of pledges is scholarship, but the selection is then further based on integrity, adaptability, breadth of interest both inside and outside the field of engineering and the student's unselfish activity in school and in the community. To enable the society to keep a uniform basis for selection, each member receives a copy of "The Eligibility Code" of the society, which states in full all of the necessary requirements.

To quote a passage from the code, "We consider that true integrity is the sine qua non for membership in Tau Beta Pi, that it transcends in importance scholarship, activity, and every other qualification. Without private and public integrity, we believe that no organization is worthy of existence. Under integrity, we include honor and high standards of truth and justice."

Another organization of equal significance is Eta Kappa Nu, the Electrical Engineering Honor Society. The purposes of this society are parallel to those of the National Engineering Society, being in general, the bestowing of honor upon students who show outstanding ability in various fields. The pledge is judged on the basis of marks, character and his activity in and out of school. Among the many services rendered by Eta Kappa Nu is their insurance fund for students engaged in the use of the E.E. labs. The insurance protects the student by covering the costs due to damage of the equipment, etc. The society also engages in tutoring the up and coming electrical engineer in the use of the slide rule and also in aiding in the teaching of EE 104. Every EE student should make this society his goal.

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# UNIDENTIFIED FLYING OBJECTS ILLUSION OR REALITY?

by Lawrence Jessie

The term "Flying Saucers" originated on June 24, 1947. Above the snowy peak of Mt. Rainer in the state of Washington, Kenneth Arnold was flying solo in search of a missing plane. While scanning the clear and sunny sky, a glint of light caught his eye. Against the whiteness of the snow he was surprised to see nine silvery discs flying at unbelievable speed. Upon landing, he reported this to the authorities. In his report he said, "they acted as if they were saucers skipping along the surface of a lake." Hence, the crude term "Flying Saucers" originated. This report started a whirlwind of events which precipitated one of the strangest enigmas in history.

After a large influx of sightings, the Air Force intervened by setting up



"Project Saucer," an agency for the study of UFO's (unidentified flying objects). On December 27, 1949, exactly two years after being set up, "Project Saucer" was dissolved. An announcement was made in an Air Force press release to the effect that the existence of flying saucers had not been proved, and that the project had investigated 375 reports of sightings and had concluded that their origin was either:

1. *Individuals who wish to precipitate a hoax.*

2. *Mass hysteria due to "war nerves."*
3. *Misrepresentation of conventional objects, such as balloons, birds, airplanes, etc.*

At this point, it is interesting to look at an incident which occurred during the life of "Project Saucer".

Place: Godman Air Force Base.

Time: Mid afternoon, January 7, 1948.

Several officers were in the control tower. While scanning the sky, they caught sight of a huge metallic-looking object which immediately disappeared. Three pursuit planes took off in search of this elusive object. The leader of this group was Thomas F. Mantell. Upon reaching the approximate area of sky in question, Mantell exclaimed in the intercom, "I am closing in now to take a good look. It is directly ahead of me and still moving at about half my speed; the thing looks metallic and of tremendous size." Five minutes later Mantell was heard to say, "It's going up now and forward as fast as I am. I'm going up 20,000 feet and if I'm no closer I'll abandon the chase." Those were the last words spoken by Mantell. The ground search crew later found the broken wreckage of his plane scattered over a wide area. Can this episode be cast aside as a hallucination or misrepresentation of conventional objects?

The only answer the Air Force gave was that Mantell had "chased the planet Venus." How could such a distant celestial object be seen as huge and metallic? Could an experienced pilot have been mistaken?

The answer is not ours to give and can only be determined at a future time when the many investigations are completed, or, if there are people from other planets, when they decide to show themselves to us.

## MIKE'S ART CHIEF: SID FIARMAN - EE

by David Katz

Being trained to draw up electric circuits hasn't prevented Sid Fiarman from drawing pictures of another kind.

As Art Editor of Microcosm, the Senior yearbook, Sid has managed to put into use his first love, sketching, while pursuing a degree in Electrical Engineering. Originally a student at the Cooper Union School of Art and Design, he decided his abilities as an engineer were greater than his skill as an artist, and transferred to the CCNY School of Technology. Unwilling to let his background go to waste, Sid coined the Microcosm art staff, and soon discovered he was editor and sole member. Since drawings are not used too extensively in the yearbook, Sid's greatest responsibility is in layout.

This year's Microcosm will feature full color photos of student life and activities, with emphasis on participation by ordinary students. In addition, a contest is being held to choose the best cover design. Entries will be judged in the basis of originality, applicability and aptness to the class of '59. All entries must be submitted to room 223 Finley by Dec. 12.

Individual pictures for Microcosm will be taken the week of December 8th. Appointments must be made in advance in 323 F. Group pictures of Tech societies will be taken December 4th and 11th between 12 and 2 PM. This will mark the first year that pictures for the yearbook will be taken at the School.

A three dollar deposit will be required at the time of the sitting, with payment of the full price of \$8.50 requested by January 1. All inquiries, suggestions and appointments should be made in room 223 Finley.

**City College**  
**Barber Shop \$1.00**  
**4 Barbers — No Waiting**  
**1616 AMSTERDAM AVENUE**  
OPPOSITE CITY COLLEGE

# PROFESSOR HERBERT TAUB INDEFATIGABLE ERUDITE

by Mark Levine

The Electrical Engineering Department, largest in the School of Technology, is now under the leadership of a new chairman, Professor Herbert Taub. Professor Taub, who is the co-author of "Pulse and Digital Circuits", officially assumed office on July 1st, 1958.

His colleagues and students congruently describe him as a congenial, efficient, diplomatic, and industrious man, with an uncanny understanding of human nature. Although his formal academic education has been in the field of Physics, his professional activities have been entirely in the field of Electrical Engineering and his achievement in that area have been nothing short of outstanding.

The professor was graduated from C.C.N.Y. with a BS degree in Physics in 1940. He was awarded a Masters degree in Physics in 1943 and a Ph.D. in 1949 from Columbia University. Among the many honors bestowed upon him are Second Year Honors as an undergraduate, Phi Beta Kappa, Cum Laude, The Tremaine Scholarship, and honorary election to Eta Kappa Nu and Tau Beta Pi.

In addition to his industrial experience, his endeavors have included research and development projects at Princeton and consultant work. However, his principal efforts have been devoted to the college.

Professor Taub spent seven years composing the text, which is now being used in more than 50 universities. The text is being employed by industrial firms for industrial and reference purposes. Because it offers a description and an analysis of the circuits and techniques common to many of the newer fields of electrical engineering, it was exuberantly welcomed by educators and industry. Professor Taub indicated plans to revise the text in two or three years. He stated that "due to the blossoming of the transistor field, it merits the role of being an organic component of the text."

When the text was first published, the transistor field was in its infancy. The purpose of the chapter on transistors was to give a pedagogically sound presentation of the transistor as a basic circuit element, which it did. Evidence of forethought on the part of the professor is his statement in the

which was made in 1956. "It is expected that transistors will play an increasingly important role in pulse and digital circuits as the years go by".

Included among his many activities at the college is his membership and service past and present on many of the college's committees. These include the Student Faculty Committee on student Activities, the Library Committee of the School of Technology, a Committee which surveyed the needs of the College in connection with the New Tech Building, the College Television Committee. Professor Taub is presently interested in fostering programs at the college which would make available to the staff facilities for engaging in research work.



Professor Taub

As the head of the EE Department, Professor Taub stated that an important role of the chairman is to "smooth the way, administratively, to put into effect the educational policies arrived at in the department after full and free discussion." His plans call for the direction of the department in such a manner as to facilitate transmitting to the students the best possible EE education. His aim: "To do the best job I can as chairman."

Dr. Taub advocates that "individual work input on the part of the student is the primary factor for success". "I realize that the process of learning is moderately painful, however, if a student is acquire knowledge, he must

(continued on page 8)

## AIEE-IRE STUDENT PRIZE PAPER CONTEST

The brochure titled the "Joint AIEE-IRE Student Prize Paper Contest" was formulated in 1958, and gives the rules and regulations governing the contest sponsored by the New York Metropolitan Joint Student Council of AIEE-IRE. It describes the prizes as follows: First prize—\$500.00 scholarship for graduate study or \$150.00 in cash; plus an expense paid trip to the AIEE summer general meeting. Second, third and fourth prizes—\$100.00, \$50.00 and \$25.00. These prizes are larger than the prizes given by local AIEE or IRE groups in other parts of the country.

Aside from the monetary considerations, there are many other values to be derived from winning a prize; these include getting experience in preparing and giving a formal presentation of ones work, attracting professional notice to oneself, and as a secondary effect, giving City College worthwhile publicity.

The four best papers are chosen by the judges, and these finalists then prepare an oral presentation which is given during the AIEE-IRE Student Activities Day. After the oral presentation, which will be given on April 24, at Stevens Institute, the final assigning and presentation of prizes will be made.

The contest has been conducted since 1955. Past first prize winning papers were:

1955—The Linear Pulse Stretching Circuit

1956—Color Bar Generators

1957—Analog Computer Control for Aircraft

1958—Linear Phase Transistor Amplifiers.

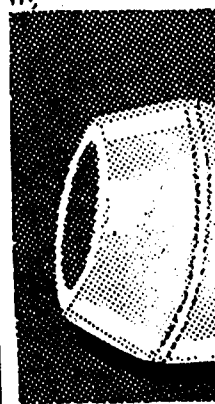
Any undergraduate engineering student who is in any of the eleven participating colleges in the New York metropolitan area is eligible. City College students may be under the impression that with so many colleges participating, the chances of winning a prize are very slim. It is to be noted however, that last year a total of only fourteen papers were submitted, giving the entries better than one chance in four for winning a prize.

"Papers should cover technical and engineering aspects of a subject with which the author is familiar, either from his courses, his hobbies, his summer work, etc. The work need not be

(Continued on page 3)

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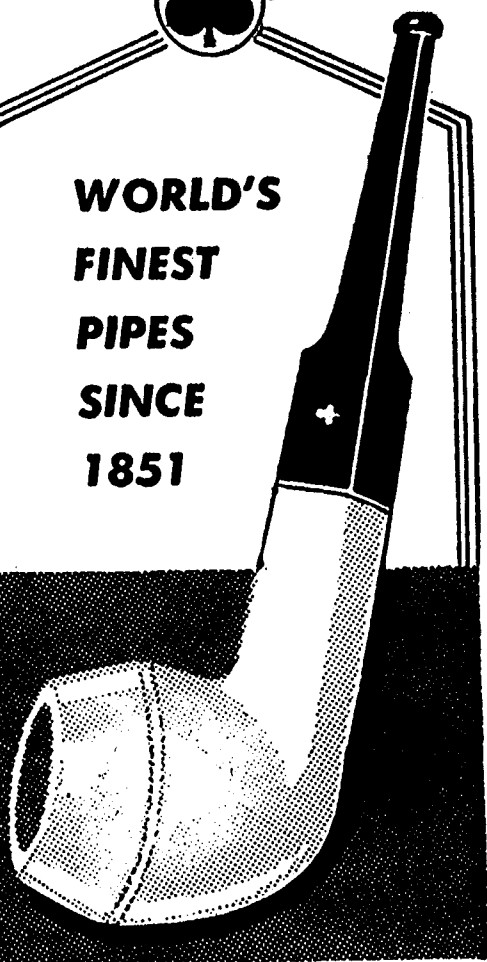


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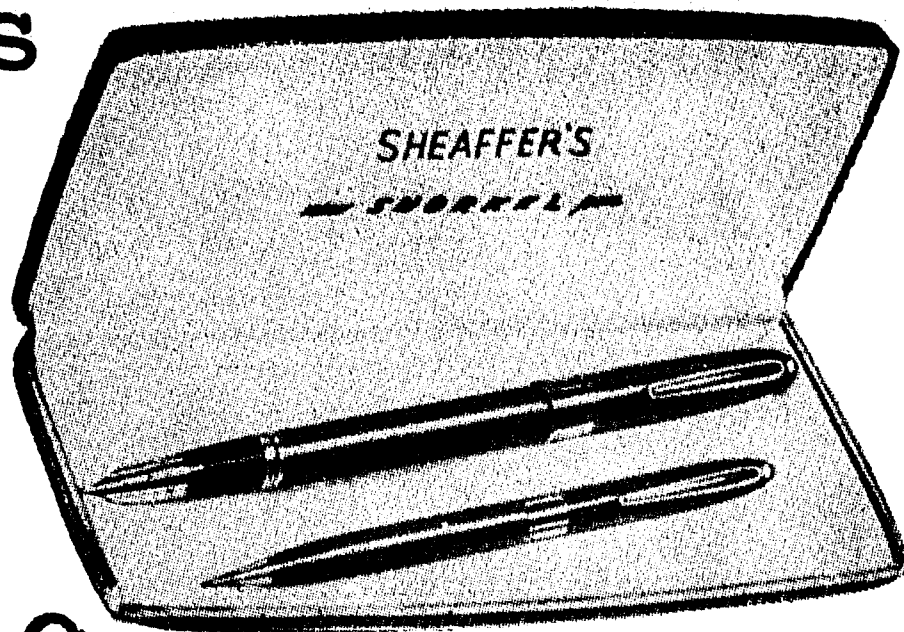
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1851



Different! Distinctive! Has the exclusive appearance of scarce meerschaum. Made from genuine imported Kaywoodie briar. Durable, gleaming white finish . . . . . \$4.50

GIFT IDEAS

## GIFT IDEAS



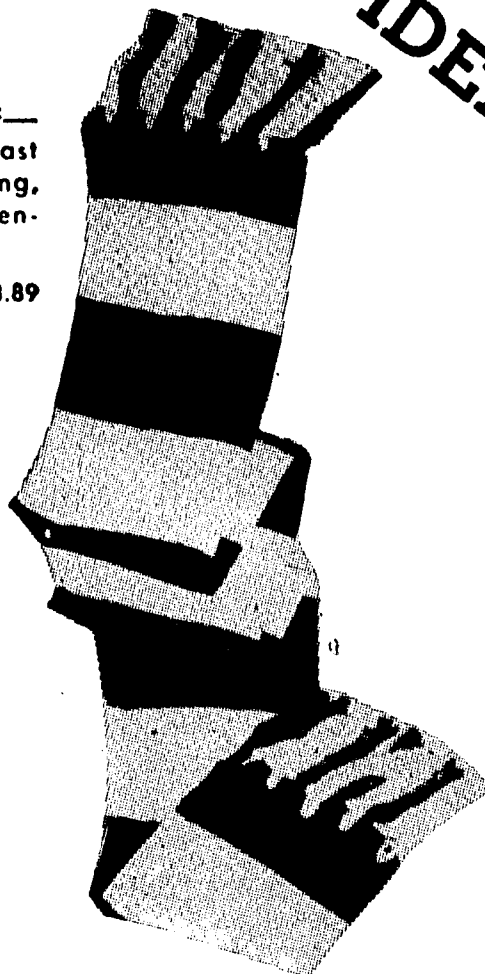
## GIFT IDEAS

POPULAR SIX FOOTER SCARF— Warm and stylish. Our color fast scarf with interlocked stitching, double-knit has proved a perennial favorite.

Available in CCNY Colors \$3.89



CCNY Bottles. Packaged in attractive plastic container. \$1.40



*Richelieu*  
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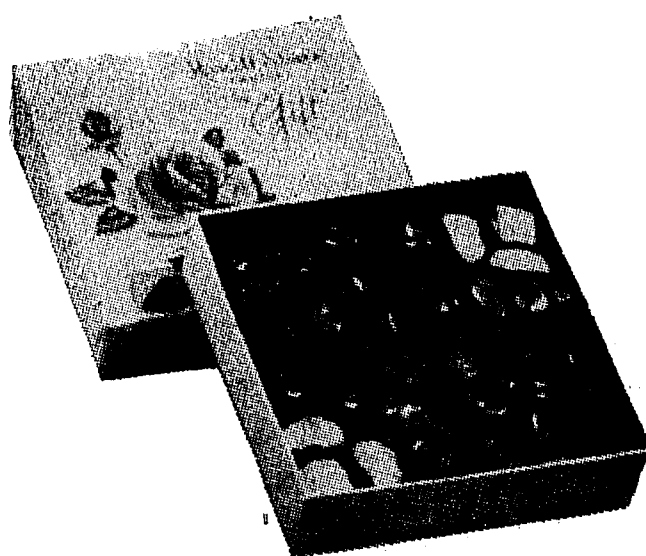
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## GIFT IDEAS

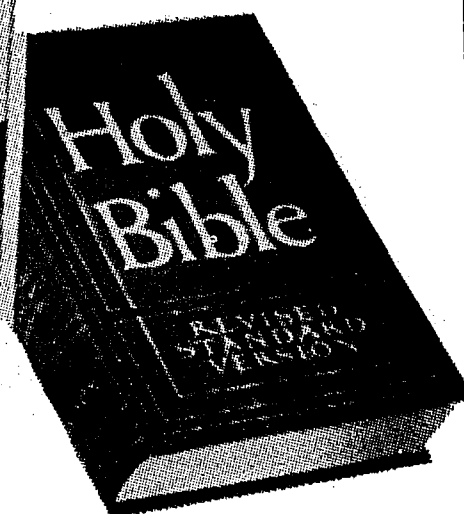
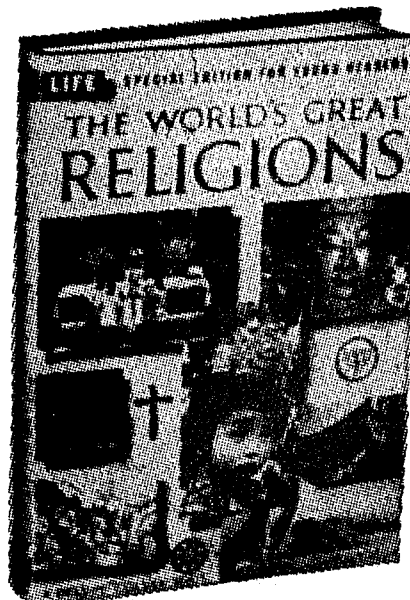


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## GIFT IDEAS

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## SPORTS

As the Slide Rule League basketball tournament enters its last third of competition, the Electrical Engineers are still in first place. With four games left, they are three full games ahead of their nearest competitors, AICChE.

In their most recent game before press time, the E.E.'c overpowered the last place Civil Engineers 74-48. Leading the victors' attack was Walt Cascell who netted 26 points. Cascell is now AIEE'S biggest point getter. He was most ably assisted by the Stein brothers, Jack and Bob, who scored 16 and 12 points, respectively. Dick Marck's 15 and Mike Fuch's 14 were high for ASCE.

The second game was won by AICChE whose opposition, ASME, could not field five men. This was not the first time the Mechanical Engineers did not show up for a game. It has become more of a habit; they had missed six out of the first eight games in the tournament. Why it is that Mechanical Engineers do not participate any more in these athletic events is a big question. The only explanation is that they have no interest in increasing their society's prestige. It is known that the M.E.'c have some very fine basketball players. We hope to see all of you at this Thursday's game.

An explanation on the formation of these teams seems proper at this point. For those of you who have not yet played in these games, it should be pointed out that there is no formal roster. Any engineer who shows up on Thursday nights at 6 P.M. plays for his branch of engineering in the tournament. All that is needed is a gym and an athletic permit issued to everyone in the Medical office.

Schedules for the remainder of the term are on the bulletin boards at Tech Crossroads.

Candidates for positions on next terms TECH NEWS staff are now being considered. Those students (tech or non-tech) wishing to develop their latent talents, to achieve greatness, to become a credit to the community are invited to room 335 Finley any Thursday between 12 and 2.

## PLEDGING FOR HONOR SOCIETIES

And Eta Kappa Nu, electrical engineering honor fraternity, has gained 26 new members:

Charles Atzenbeck	Nikolahas Mezins
Stevan Berger	Gerald Miller
Claude Bertin	Stuart Newberber
Joseph Budnitsky	Ivar Ringahl
Dino Capetanopoulos	Humbert Rossero
John Carbone	Myron Root
Allan Friedland	Philip Rubin
Marvin Halpern	Leonard Schiff
Stephan Herman	Carmine Volpe
Robert Kahn	Alan Wachtel
Seymour Kaufman	Francine Weintraub
Michael Kohn	Samuel Wenzel
Vincent Lombardy	Charles Wine

Pi Tau Sigma, the mechanical engineering honor fraternity, has elected 12 pledges this term:

David Elias	Myron Linefsky
George Gillen	Harold Ornstein
Richard Hertzberg	Cosimo Palazzo
Herbert Hiller	Jacob Polatnik
Edward Kleiner	Ignace Schall
Wolodymyer Kulynycz	Leo Schank

Chi Epsilon, the civil engineering honor organization will add 4 members:

Arnold Barnett	Robert Lebre
Jerome D'Amaro	George Oliger

Congratulations are due to all these students on their achievement.

## ... PROF. TAUB

(continued from page 6)

be prepared to work for it". Professor Taub also advised that students should associate themselves with professional organizations and should frequently scan professional journals in order to enhance their engineering education.

Commenting on the new Electrical Engineering undergraduate curriculum which was recently established at the college, Professor Taub stated that he firmly believes that, "the level of the curriculum has been elevated; that the new curriculum is consistent with the needs of the times, and that although it avoids specialization, it provides for the basic foundation to equip the student with enough knowledge to branch out in any field of electrical engineering."

The professor, who is happily married and the father of three children, is also active in his community's affairs, being the Secretary and a Member of the Board of Directors of the Conservative Synagogue of Riverdale.

Dr. Taub cites the high points of his professional life to have been the attainment of the PH.D., and the publication and enthusiastic acceptance of the text.

Thus we have the story of Professor Herbert Taub: Author, chairman, family man, community man, administrator, consultant, and servant of the college. True to the City College tradition, he is indeed "Busy as a Beaver".

## ... REVIEW OF VECTOR

(Continued from page 1)

the insertion of multiplex adapters. Also the idea of recording of different sound tracks at different angles on tape is described as if it's very possible. This system has not even been successfully tested. It is only a theory that most probably won't work because the second recording head will erase the results of the first recording head so that only one track is recorded after all. The optimism seems to be too extreme. Stereo outfits which cost \$700 plus are not "within easy reach of the music lover". The less said about the artwork the better. Just try to use a ruler and art type.

The Rise of the 'Copter by Al Sangiorgi was a very fine historical study of the helicopter with good attention to detail. So fine that I wish he would have gone more deeply into the subject. The illustrations for this article were drawn with a ruler but while adequate were not as realistic as could have been hoped for.

The title of the Pin-up Page was a bit misleading. Pro-files was fine not only because it humanizes the instructors but suggests various personal approaches to a career.

The cover was not at all appropriate. The grossness of style and trite idea did not set a good tone for the issue. Covers of magazines like *Vector* should be fairly formal and as is becoming fairly common with professional publications should be rendered in the contemporary manner.

ARTHUR APPEL



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