Tay 10, 1961

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tudent Council ole to become a nt by acquaint. perations of Stu-

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committees and es Monroe High

tee. mittee.

HOUSEPLAN f which has done he Hospital For 9 Madison Ave cipate in House

NT

vector published its fourth tion of the year on Friday, y 12. It was very good.

The lead story was "Ballistic

onds between target identity

d kill), he went on to explain

various problems that the

ce-Zeus would come against.

e identification of decoys and

the warhead are the main

XIV - NO. 8

ssile Defense and the Nike ricks & Ross Getz - Lionel ico Hamilton Joe Williams uke Ellington us" by Ed Rosenthal. In this ry Ed Developes the backund of the Nike-Zeus antissile missile. After explainthe problems in time (200

ng.added. NEWPORT, 5-6272



blem, but he also says that design of a missile which is e to be maneuvered and proted from heat is also of priry importance. The analysis the Zeus radar complex was nnically excellent. The step stey analysis of the radar plex made available to clear uss of the detection appara-The sidelight that there are soldered connections in the 1-speed digital computer uld be of interest to the

's.

he use of plastics such as Reil in the Nike-Zeus was nething new and also intering. The requirement of abte perfection in the surface also discussed.

the method of testing the as systems was interesting in t the systems will be tested ctronically using the radar es of incoming warheads of siles fired down the Atlantic sile Range.

At the "Traveling Wave Oscilcope" by Arthur Glazer was well written. Explaining a cult theory is sometimes y hard to do but Mr. Glazer plains the analogous problem

Although their realization is

uction of another lounge on

rth Campus. According to

fessor d'Andrea, director of

Planning and Design Dept.,

proposed student area is "in-

ded in our plan" for the re-

portionment of space in Shep-

Hall. The lounge will be lo-

ed in the room presently oc-

bied by ROTC storeroom No.

It is situated in the basement

Shepard Hall adjacent to the

eteria and directly below the

istrar's office.

a long way off, plans are

being made for the con-

of the traveling wave on a transmission line simply and accurately. The problem of working at high frequencies is an old problem and only with the methods of the T.W.O. can very high frequency phenomona be seen. This is important in the testing of high speed digital computers and also in observing one shot high speed nuclear phenomona.

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Vector Review

THE

SCHOOL

WEDNESDAY, MAY 24, 1961

HEW

CITY COLLEGE OF

We were delighted to see the return of Ira Skurnick's series on "Stepping Stones to the Stars." This well written article concluded the series which started with the first Goddard experiments. The Rocket Score Sheet was a good reference when reading the article. The description of the American and Russian rockets and their uses were a bit vague on the new missles but the old standby, the Redstone, was well discussed.

Barry Okin's article on the "Thorium Breeder Reactor" brought out the problem of breeding nuclear fuels for use in atmonic reactors. There is not a large supply of fissionable U-235 around and so there must be a replacement found for the future if reactors are ever to become competitive with the steam plants for power generation. As Mr. Okin pointed out, freeding gives 1.23 pounds of U-233 for every pound used up in the core.

It is hard to write a story about a topic such as nuclear breeding without snowing some of the readers but Mr. Okin has written an easily palletable article which can be a stepping stone to further reading by Vectors Readers.

As a conclusion Vector this year was very very good.

Eta Kappa Nu Award Goes To Prof. Froelich

OF TECHNOLOGY

NE W



HKN President Ron Schilling, Prof. Froelich and Mr. William Levidow

ASME To Hold General Meeting

The Summer Annual Meeting of The American Society of Mechanical Engineers, one of two general national meetings sponsored each year by the Society, will be held June 11-14 at the Statler Hilton Hotel, Los Angeles.

Over 100 technical papers are scheduled for presentation under thirteen major headings, including solar energy, safety management, automatic control

> Chem E Honor Society Formed By MARTY MILLMAN

and nuclear energy.

In addition to technical sessions, members of the 50,000member society will be invited to take part in a series of administrative and business meetings, which begin on June 10.

Attendance at the meeting, which is open to all interested engineers is expected to exceed 2,000.

On Monday, June 12, ASME President William H. Byrne will address a luncheon meeting.

On Tuesday, two leading educators are scheduled to speak. At noon, Darrell Holmes, executive dean of San Diego State College, will speak on "Fitting Round Pegs into Square Holes." The banquet address the same night will be delivered by Frederick C. Lindvall, department chairman at California Institute of Technology. Plant inspection trips are scheduled to the headquarters of Beckman Instruments, Inc., at Fullerton and to the Pico River Plant of The Ford Motor Company,

By ALBERT WAXMAN

YORK

BY STUDENT FEES

On Saturday, May 6th, Eta Kappa Nu held it's Semi-Annual Induction Dinner at the Headquarters Restaurant. The dinner this term was marked by the outstanding faculty attendance and the return of many prodigal alumni. Of course there was the traditional pledge show which had it's hilarious moments.

The highlight of the evening though, was the presentation of the first Eta Kappa Nu Faculty Award to Professor Cecilie Froelich. The award was presented to Professor Froelich for her outstanding service and devotion to the City College and its students.

The award was presented by Mr. William Levidow, President of the New York Alumni Chapter of Eta Kappa Nu and also a graduate of CCNY. Mr. Levidow pointed out in a short presentation speech that Professor Froelich was the first woman to chair an Electrical Engineering Department in America. Professor Froelich was chairman two years ago.

Professor Froelich made a very touching speech of acceptance which was warmly received by the large audience.

The dinner followed the induction ceremony in which 17 new members were inducted.

Those undergraduates who were inducted into Eta Kappa Nu were, Stanley Altman, Jerry Avins, Arthur Gleeson, Howard Greenberg, Phil Heyman, Stephen Honickman, Irving Kalet. Jack Lubowsky, Michael Morganstern, Ronald Moskowitz, Jerry Mouldovan, Demetrios Papadopoulos, George Papadopoulos, Robert Profeta, Alexandre Rossolimo, Yifal Shaham, and William Zimmerman.

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New Lounge Planned For Shepard In '62

By MELL PELL

At present, Knittle lounge, which is grossly inadequate, is the only student lounge at this end of the campus.

The space will become available through a series of maneuvers ending with the transfer of the ROTC storeroom to room 010 Harris which is presently occupied by the ME metal process lab. The ME lab will be moved, together with the rest of the ME department, to the new tech building. The lab is expected to be moved next spring.

The new lounge will have a or area of 2,500 square feet. e spacious, sunlit room is ensed by a wall of large winvs and looks onto Shepard's n. Its completion will slightmore than double the existing days and Wednesdays. rth Campus lounge facilities.

Chem. E.'s, raise your averages! A new honor society has been formed by chemical engineering students on May 11, 1961. The name of the new society is Alpha Chi Sigma.

The eligibility requirements adopted by the founders are as follows:

a) the student must be in the top fourth of his engineering class:

b) he must have a minimum of 8 credits of chemical engineering courses completed;

c) he must have an index of 0.70 in chemical engineering courses taken.

The organization reviewed the constitution of Omega Chi Epsilon, a national chemical engineering honor society, with which it will eventually be affiliated.

Professor Morris Kolodney of the chemical engineering department was chosen as faculty advisor. The founding officers are: Aaron Friedman, President; Stanley Sandler, Vice Fresident; Richard Felder, Treasurer; Gabriel Epstein, Recording Secretary; and Martin Millman, Corresponding Secretary.

Physics Dept. Receives Grant

City College's physics department has received a grant of \$21,000 from the Atomic Energy Commission to be used for acquiring radioactive sources and nuclear particle detection equipment, it was announced today by Professor Henry Semat, chairman of the department.

The material will enable the college to equip a laboratory course in which the principles and techniques of experimental nuclear physics will be taught. Students will learn to operate the instruments used for the detection and measurement of the properties of nuclear radiation.

Those Professional and Faculty members inducted were, Arthur Davis, Benjamin Rabinovici, and Harry Schachter.

THC **Elections**

Last Thursday, TIIC held its semi-annual elections. These were contestants for all of the posts and there were also quite a large number of people there. Those elected to office for the Spring term are: President, Ronald Maroney of A.S.C.E.; Vice-President, Judith Goldberg of SWE; Treasurer, Jay Adam of Epsilon Nu Gamma; Recording Secretary, Susan Alexion of SWE and Corresponding Secretary, Frank Ferrara of Tau Beta Pi.

There have been some misconceptions as to the number of the tech writing course to be given in the Fall. The course is English eleven not two. This course will be given at 10 A.M. on MonPage Two



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Prof. E. Brenner			-
		WS is determined by a itorial Board	majority

Looking Back

Another term has come and gone: What hath it wrought? TIIC couldn't get a quorum half of the times that it met. AIEE-IRE raised it's membership to over 400 students, including two Biology Majors. Tau Beta Pi took in its largest pledge class, about a half a hundred. Most of the societies gained members and are getting on the ball. E-Day was very good, but the E-Day Ball wasn't.

Next term shows promise of a giant step forward in the tech organizations. Most of the societies have already elected next terms officers and judging by what some of the elected officers have said in their election speeches we are due for a big change in the attitude of the students.

Play Ball

May 11, TIIC established the Slide Rule League. They guaranteed the Physical Education department at least five teams. Since most of the tech organizations have been wanting to play in a slide-rule league if it ever were reestablished, now is the time to join the teams. But in order to start the games on the second week, everyone who wants to play must get a physical the first week back. So if you are interested, tell the leaders of your society.

Tech Men Wanted

Letters

Black Man's Burden

To the Editor of TECH NEWS:

We of the City College have been continuously trying to help the American Negro community in its fight for equal civil rights: we have, among other things, participated in sitdemonstrations, collected in funds for the integration campaigns in the South, collected food and clothing for those courageous men and women of Fayette county who perpetrated the great sin of voting, and most recently we have invited to the college several speakers who have addressed us on the subject. It is for these reasons but more for the the reason that simply as human beings I feel that we must and should be concerned about the problems besetting our fellow man, that I ame writing you this letter on some of the newer aspects of the American Negro's fight for equal rights.

Lately I have been reading in the papers account of outbreaks at the United Nations, demonstrations against the United States, condemnations of American Negro civic leaders, and shouts such as, "Down with the United States," and, "This is a blackman speaking, not a Communist, and I say that the United States killed our great leader Lumumba." These events it has been reported have been carried out and led by members of the American Negro community.

Methods Important

As far as their persuit of equal rights and the enjoyment of their heritage are concerned, I am completely with them. What I disagree with are the methods which they are most recently employing to bring these ends about. Violence and hatred-brewing speeches usually have as their immediate effects nothing but the outbreak of more violence and the brewing of more hatred. Many of us who have, in the past, fought on their side are now becoming a little worried and apprehensive about their actions. I would remember that revolution in itself never accomplishes only what it sets out to do — it is usually accompanied by unexpected and often undesinable side-effects. True progress has usually been made in the past through evolution. What I am afraid of is not the present actions but rather what they may lead to. In a fight for democratic rights, one should proceed in a democratic manner. One must proceed with all deliberate speed and not rush headlong into mob action; or else what may start out as a "social revolution" may soon be transformed into a Communistdominated movement. By this I do not mean to imply that I believe that the action in the past months has been brought about by "outside forces" either in the North or in the South. What I mean to say is that such action can easily become dominated by those who are in it merely for the pursuit of their own ends. Negroes have complained that the NAACP has been too slow. Maybe if they had channelled the same energy that they have been spending on these violent demonstrations through the NAACP and some of the newer

groups such as the Congress of Racial Equality (CORE), these organizations would have been able to make more progress.

African Heritage

The American Negro has been striving far more than a century for that which rightfully should have been his by birth: the right to walk with his head errect and to share equally the rights and liberties of every man.

In this fight, I have been, am now, and always will be on his side working with him. As of date, there has arisen within him a desire for a knowledge of and a strong identification with his African heritage. For the pursuit of this goal we also salute him. For I have long felt a great sorrow not only for the robbery of his physical and mental freedoms, but also for that of his spiritual freedom. Those who in the past kidnapped and brought him terrified to a far distant land, not only bound and tied him, they also deprived him of a truly great cultural heritage. And, when I speak of an American Negro, I am not speaking of a hyphenated American. I am simply recognizing the fact that as an American, one can share not only in a national heritage but also in a cultural and religious heritage brought down to him from generation to generation, from his forefathers and fathers. America has been made stronger, not weaker, by the fact that many of its citizens while becoming fully active Americans have never forsaken their individual and group heritages. The American dream has never been for a master race, it has always been for a free community with a mixing of cultures.

There are some among the American Negro community who are now clamoring for a land grant — or something like that --- from the Federal government so that they can set up their own territorial domain. Now let's get one thing straight: hiding from a problem never cures the problem. When the ostrich hides his head in the ground, he doesn't solve anything, he just blocks his view for a time; and remember, while he has his head down under, he presents a marvelous target.

Organized Effort

Most of us were born in America. Maybe in the international community in which we are living today it would be wrong to say that America is the best country in the world, but it is our country. America has its strong points and these should be constantly praised, clung to, and strengthened, but since it is a community of men, it also has its weak points and these should be worked upon and corrected. If one disagrees with some American policies, then he should state his disagreement, examine the facts carefully, and work boldly for what he believes is right. This is not only one's right, it is his duty. In a country the size of ours there is perhaps little that can be done by the individual but there is nothing we cannot do working as an organized group, in a democratic manner for what we believe to be **right**. One should never underestimate the power of a voting, alert public. Even a bureaucratic politician cannot fail to recognize the power of an organized group of voters. And now, I would offer just one word of advice to the American Negro community: Remem-

ber that P. T. Barnum's ments on publicity were running a circus and not a for rights and justice,

Yours truly,

Marc Triebwass

Tests

С. D. To the Editor:

By now the C.D. drill is history and forgotten, at till next year. But the sour lingers that comes from read last week's editorial lingers It seems that to certain facti to stand up for one's beliefs i accomplish nothing. To refus be hypercritical is a misgui use of intellect. To follow mob out onto the lawn, no bra are needed, but to follow

that takes intellect. The tragedy of the edit appearing in the May 3rd edit of TECH NEWS is that it c pletely misses the point and s stitutes slander for argument

other into the basement,

ghtly neg First of all, how many of th s been acc who took shiter did so beca hool will they believed that this we an ever ne save them for nuclear cre tion? And how many did so cause they were told to do and did not want marks on t nde A in records? And how many did gineering. take shelter but chose to hid gineering the toilets or the game room they could get away with e reasons And how many students, chelor of cause they believed that imination whole setup was a ridiculous a profess lusion chose to stand up on realistic e lawn for their beliefs? Just ther and p was the mob, and who used t intelligence, right or wrong

Who had the courage of a secret. An viction; and also who was come a ca mob? airing 145

But let us look at the w udents wh Civil Defense setup. If the lucation th were some disastor, who we a B.S. is be better prepared to meet ke a B.S. those who are individuals vided into do what they believe is right 1. A gro those who sit and wait to tes for all told where to hide? At least 2. A gro protestors have some vague ægree or su of the magnitude of atomic 3. A spe struction, while those who udent com cling to the belief that if 1 4. Free hide in the celler, all will be ectual end right. tal of **128**

This is the basic fault of this approved whole concept of C.D. Instead blicity ar training the public on how there ever st should protect themselves as

dividuals, we have this and me depar ceremony of crowding into I am je ways and basements. I we using Ste hate to see the panic that wa I wish ensue were there to be an pout steam tack, when thousands of should be a leader to take the It is po cular activ to a storm celler. I would re-I wish e er put my money on those ubs and a do not "by their high posi Good lu in our society use their in pleasure abilities to try to further these. cause by joining movem Good lu which are organized." After Thank yo when it comes to organiza none beats the lemmings.

Holds Election

On Tuesday, May 9th,

ing Honor Society held its s

President, Michael Ru

Vice-President, Louis We

Recording Secretary, James

Marc Mangot and Pledge

Beta Pi, the National Engin

annual elections:

Elected were:

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TECH NEWS is the newspaper of the Tech Student body. It is possible though, that within two or three terms there will be no TECH NEWS. There seems to be no trouble finding people who will write stories for the paper but there seems to be a lack of interest to want to get on the associate and editorial boards. Since TECH NEWS is primarily concerned with tech news and tech activities, the policy of the paper should be determined by tech students. When the new tech building opens next year, the tech student will be even farther away from south campus. But in order for TECH NEWS to follow the students, it is necessary that they have a staff to do this.

Of course it takes a lot of time on a newspaper, every activity does. But the Tech Students deserve the best. But only they can give it to themselves. If you are interested, you are invited to come to our elections on Thursday, May 25, at 12:15 in Finley 335. TECH NEWS can only survive if it has the support of the tech students.

Welcome

We of the Editorial Board would like to welcome Dr. Rivlin as acting president of the college. It is of course unfortunate that Dr. Gallagher is leaving but it is hoped that Dr. Rivlin will continue the present school policies towards the students.

Frank Sch Chi Tau Beta Pi (Continu

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The newl uenther Frieda; Corresponding Secret Dert Ho Jeremiah Avins, Treastent; Vince erbert Er e the soci

ednesday, May 24, 1961 **y, May 24**, 196

Page Three

Barnum's e blicity were us and not a justice, rs truly,

arc Triebwass

Tests

By IRA REISS

C.D. drill is orgotten, at l But the sour ta mes from read itorial lingers t**o certain** facti **· one's belief**s i hing. To refuse al is a misgui et. To follow he l**awn, n**o bra out to follow e basement, ellect.

v of the edito VS is that it c the point and s r for argument now many of th that this we r nuclear cre v many did so ere told to do ant marks on t how many did at chose to hid he game room et away with any students, elieved that as a ridiculous o stand up on beliefs? Just and who used t ight or wrong 🖁 e courage of d also who was

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have this an pme departing observations:

At the Student Government Honors and Awards Dinner Presint Gallagher spoke about what he considered a strange phemena at CCNY; that in order for the students to show their love the college they feel compelled to tear it to pieces. I feel comlled to make some criticisms and suggestions about the City llege and the School of Technology in particular in my so called hirty" column. I hope that I succeed in phrasing them so that ey sound constructive.

1. — Student Representation on Curriculum Committees. Since the fall, 1959, semester there has been six student repretatives on Faculty Committee of the College of Liberal Arts and iences. The students, while not permitted to vote on issues, are ven every opportunity to present their proposals and opinions. of the present there is no equivalent setup in the School of chnology. Each of the four engineering departments is virtually dependent in the determination of its curriculum, thus the ideal nation would be some form of student representation on the dene May 3rd editartment level. During the past semester I spoke to Dean Allan d the chairmen of the four departments. The reactions of the partment chairmen to the suggestion were two positive, and two ghtly negative. However, as of the present nothing concrete s been accomplished. I hope that the student leaders of the Tech er did so becan hool will not let this idea die but that they will push it harder an ever next semester. The ground has been broken for them.

> 2. — Honors Courses. The commencement program of the class of 1960 lists the names seventy students who completed nine credits in Honors with ade A in thirteen different fields, but not one of these fields is gineering. This means that the gifted and exception student of gineering is ignored by the School of Technology. Some program the outstanding students of engineering is long overdue. One of e reasons given for the absence of any such program is that the chelor of engineering degree has professional status and the mination of courses can endanger the accredidation of the degree a professional degree. This seems to be a rather shallow and realistic excuse. I hope that the honor societies will band tother and press for some form of an honors program in engineering. 3. — The Bachelor of Science Degree inEngineering.

The fact that one can get a B.S. in Engineering is almost kept secret. Anyone who comes to City to study engineering is told to come a candidate for the Bachelor of Engineering, a degree re-

airing 145 credits and having professional status. However, many look at the windents while waiting to study engineering desire a more liberal e setup. If the ucation than that offered by the engineering degree, but the idea a B.S. is virtually kept a secret from them. These students can pared to meet ke a B.S. requiring only 128 credits which consists of courses e individuals wided into four groups: believe is right 1. A group of studies or "common core" prescribed for candi-t and wait to ates for all degrees. hide? At least 2. A group of studies forming a background for the particular

2. A group of studies forming a background for the particular e some vague ægree or subdivision sought.

ude of atomic 3. A specialized or concentration group, calculated to make the le those who loudent competent in some field of endeavor (engineering).

belief that if 4. Free electives to stimulate interest in diverse fields of in-ller, all will be enclosed endeavor, sufficient to enable the student to complete the tal of 128 credits required for graduation.

basic fault of This approach to the study of engineering should be given more of C.D. Instean blicity and may reduce the drop out rate of discontented en-

I am jealous of the lower termers who will have the privilege using Steinman Hall.

HKN Has Active Term

This past term has been a busy one for the Beta Pi Chapter of extremely active and imaginative president, R. B. Schilling. Services performed in previous terms have been continued and expanded; new activities have been added.

A large group of students taking EE 104 were shown shortcuts and methods of using the slide rule in nightly one-hour sessions for one week. The Tutoring Committee, headed by Sol Gems, expanded activities by writing to students on probation, offering free tutoring in the basic EE courses. Help to those who answered is now being given.

Each of the fine group of seventeen pledges (recently inducted) gave eight hours of his time to the university in service to the EE Department, the Placement Office, etc., and also put on one of the best shows in years at the Induction Dinner.

Some thought was given to a new project in which Beta Pi is trying to help AIEE-IRE establish a workshop by and for the students to enable them to make repairs and do research.

Another new idea that shows promise is that of sending students from here to the high schools they graduated from where they will speak at an assembly about college life and enginering in particular. Tau Beta Pi has agreed to coordinate this, at least one representative from each branch of engineering will be sent.

It's not all work and no play at HKN, for this term it has gone bowling every other week, and even enticed some faculty participation. One purpose behind this is to try to reestablish the Slide Rule League — perhaps next term the other technical societies will be willing to give us some competition. Any takers?

The sports season was topped off by just eeking out a victory over the faculty in softball. Quite a few stiff and sore students were seen limping to class the next day.



HKN due in large part to its propagation and a second propagation of the second propagation of t

Four years ago I sat down with a few hundred students and was told that I should look to the left, to the right, in front of me and in back of me. I was told that they wouldn't be here four years from then. They aren't. But something has bothered me. They were looking at me too when they looked around.

I will be graduated in August, I guess I'll work or continue to go to school. The jobs are not too plentiful this year. When we entered the rampage was on, and they needed engineers, there weren't enough then. But this year's business isn't too good and neither are the jobs. Consequently the jobs are harder to get. One of the main qualifications for a job now are X% of the class. The almighty mark again rides high. But it is now very important and has always been. Good marks will get you a good job with good pay, an acceptance to a good graduate school for full-time studies, and the eligibility to honor societies. Don't knock honor societies. They are not a group of intellectual snobs meeting together with some high ceremony being performed. They are just like you or me. Ordinary people who are in engineering because when it comes down to it they really like it, and have cared enough to get good marks. They find that besides looking good on their resumes an honor society can offer them new friendships which somehow will last through the years. It forms a basis of conversation wherever they go for most honor societies have chapters all through the country.

I remember when I was finishing my first term at the college. There were my engineering friends sitting in the North Campus cafeteria, sans Burns Guards, telling how hard Physics 7 and Math 7 were, and one of my friends said that engineering was too tough for him and that he was going to switch out the beginning of the next semester. We asked him what courses he was taking, and he answered, "Oh, English one and Social Studies one, Speech one, Chem one, Humanities and an Phys. Ed." Then we asked him what he wanted to change to and he replied, "Chemistry."

Yes, the good old days bring back fond memories; the house plan breaking up, pledging for a fraternity. Yes, how I remember those happy days of pledging. You could do practically anything and people would say, "don't arrest him officer, he's only pledging for a fraternity." Hell night was a bundle of laughs getting picked up by the police, stealing sand from the Astor, getting Licchi nuts in the middle of Times Square, they don't seem to be making Hell Nights that good anymore.

Then, of course, there always was schoolwork, but after the first two years, I guess that I sort of got into the swing of it and ${\bf I}$ haven't been having too much trouble. I sometimes feel that it is a shame that we students don't appreciate our teachers for what they are really worth. Of course there are some teachers who are losers, but they don't remain around here for long.

And time passes so quickly, here it is, time for graduation and it seems such a short time. Four years in some ways are a long time, especially when you are taking a final, but if you look at it from afar, it is such a short time.

Being editor of a paper is not too much fun, and you sometimes wonder if the people are reading what you print and not just looking at the ads. TECH NEWS is a funny newspaper. It comes out once every two weeks and is located on South Campus. This is a stroke of genius. If TECH NEWS is a Tech newspaper it should be on North Campus, especially with the new Tech Building going up. With the new building there will be a greater shift of classes to North Campus office where Tech Students (the blood of the paper) can come during their lunch periods to throw the bull, to learn and to write. TECH NEWS is way understaffed. It needs more people than Campus or O.P. needs. Sure Tech students have to take heavy programs with long hours for one credit. So if you have a lot of reporters who spend two hours a week listening to someone drop pearls of wisdom down the students minds on Thursday lecture at the AIEE it takes much less time for them and you never worry if there are enough reporters to go around to do all the stories that have to and should be done. You Tech students are really behind the eight ball when it comes to having things done for you at the College

crowding into s sements. I w e panic that w ller. I would r heir high posi y use their inn y to further t es to organiza le lemmings. Frank Sch

Beta Pi

y, May 9th. ons: re:

Michael Ru it, Louis Wei cretary, James and Pledge I orge.

I wish the Mechanical Engineering department would forget here to be an pout steam engines, everyone else seems to have.

housands of share It is possible to get good grades and participate in cara-ader to take the cular activities, though I have not succeeded in the former. It is possible to get good grades and participate in extra-cur-

I wish engineers would participate in political and social action oney on those **ubs** and activities.

Good luck to Mr. Katz and Mr. Zeiberg, it was an honor and pleasure to sit in your classes. City College is suffering a great

ning moven Good luck CUNY (City University of ganized." After Thank you very much City College. Good luck CUNY (City University of New York).

Shalom

Chi $Ep \ldots$ Pi Tau...

(Continued from Page 4)

Election et applications with the soapplications with the soon the application's character, acticality, scholarship and National Enginensibility, only those students ciety held its students are Ident eventually gain admisn into Chi Epsilon. At present ere are 16 members. The newly elected officers are uenther Wilhelm, President; sponding Secret pbert Horlbeck, Vice-Presivins, Treasuent; Vincent Ricca, Secretary; erbert Erig and Martin who e the societies treasurers.

(Continued from Page 4) vention of Pi Tau Sigma. We consider it an honor to have been chosen host and much of this term was spent in preparing for the Convention.

The officers for the Fall, 1961 semester are: President, Sydney Goldlust; Vice-president, Alfred Zeisler; Corresponding Seccretary, Michael Faye; Recording Secretary, Michael Mastrototaro; Convention Representative, Ira Grinberg; Faculty Advisor, Professor Antonio F. Baldo.

Beta Pi participated in E-Day with a microwave exhibit, an electronic organ, and the power lab which John Silverstein ran practically by himself.

The list of accomplishments includes more than just the highlights above, but need not be dwelled on further. Without the whole-hearted support of its members, Beta Pi would be just another honor society, but with it, it has been able to give valuable service. We wish to extend a special vote of thanks to two graduating members who have been of inestimable help to the society. They are Warren Wolff and Luigi Santalesa.

Officers of Eta Kappa Nu for the Fall, 1961 term are:

President, John Benton, Vice President, Al Waxman; Pledgemaster, Harry Heffes, Recording Secretary, Sol Gems; Corresponding Secretary, Herb Mintz; Treasurer, Ed Holmes; Bridge Correspondent, Mike Morganstern; TIIC Representatives, Irv Kalet and Jerry Mouldovan; Co-Catalogers, Stan Altman-Chief, Phil Heyman, George Papadopoulos and Bill Zimmerman.

Well, I've made it, and I hope that all of you who are still reading make it also. Good luck, you're going to need it.

A few weeks ago we had a Civil Defense test. It seems the more you think about it the sillier it becomes. According to statistics, a 35 Megaton Hydrogen bomb would completely wipe an area of seven miles radius off the map. And anything within 20 miles outside of the total destruction circle wouldn't be in any too good a shape. Now just think what would happen if an enemy sent over 50 of these bombs. Think about it. It scares me a bit, too.

I would like to reminisce about putting out the paper and staying at the printer's until 6 a.m. in the morning. But I can't. Our printer closes about 12 a.m. Sorry.

There should be more courses in the engineering curriculum where it would be possible to do some independent research. Instead of following a "cookbook" the student can learn more from doing research than by doing the sometimes drab laboratory experiments. Since everything that is in the lab cookbook has been done thousands of times there really is no reason why it must be done. After all most students believe what they read in the textbook anyway and they really don't have to perform a laboratory test to verify the textbook.

Student Government would really be something if they really represented the students. I would like to see one member of Student Government go out on the campus, gather a group of students about him and ask what they think about certain measures under (Continued on Page 4)

Film, Trip Worms & Women Top CE Term

The members of ASCE participated in a full and rewarding program during this past term. The program was divided into four parts: educational, social, service and inter-group cooperation.

Five guests were invited to speak at our meetings. Captain Prichard of the Civil Engineer Corps described the functions of the Civil Engineer Corps; Mr. B. Sinowitz of the Public Health Service spoke on the opportunities in the fields of public health engineering; Dr. H. Limberg of the Office of the Mayor spoke about management in public administration; Mr. W. Sorrentino of the Civil Engineering Department spoke on City Planning; and Mr. D. Savitsky, Chief of the Hydrodynamics Division of the David Laboratory at the Steven's Institute of Technology, lectured on Hydrofoil Boats.

Films were also shown about the making of Portland Cement, are welding, history of highway development, soil-cement, city planning, building construction and wood preservatives.

During the Easter Recess, a field trip was taken to the Port Authority Bus Terminal at 41st Street and Eighth Avenue where additional floors are under construction.

A smoker was held at the Delta Alpha House shortly after the term began which was highly successful. The "Piece de Resistance" of the term is always our semi-annual induction dance. This was held shortly before the Eastern Recess at the Grand Ballroom in Finley Center. It is usually attended by all of the members and the Faculty of the Civil Engineering Department. New members comprise approximately one-third of our membership each term and they are usually all officially inducted into the society at this time. The highlight of the evening was a skit presented by the old members.

A new-member. old-member softball game was held in May and new members won by a score of 9-4.

For E-Day, the members of ASCE helped plan and set up the exhibits for the Civil Engineering Department and also acted as demonstrators. At registration, ASCE handed out bro-

With its election meeting last week, the local chapter of A.I. Ch.E. concluded its most successful term in recent years. As has been customary each term, a ture terms. number of guest lecturers spoke on various aspects of chemical engineering; their addresses covered such topics as computed programming, ion exchange, in-

strumentation, and the comparative advantages of careers in research, sales and service, process design and the like. In addition, A.I.Ch.E. set a precedent for itself by inviting a lecturer to speak on a topic unrelated to chemical engineering --- the speaker was Dr. Paul of the biology department, who spoke on watches, worms, and women, among other things. The idea of presenting non-technical lectures was a product of the fertile imaginations of departing

EE.'s Plan Workshop

The City College chapter of the American Institute of Electrical Engineers and Institute of Radio Engineers is completing one of their most successful terms since the beginning of their existence. Under the sage advice of Prof. Wolf and Prof. Abramowitz and inspirational leadership of Ronald Moskowitz and Mark Tublisky, presidents of the organization, this group has increased its membership from 280 to over 400 in just one term. This is mainly due to the increased services offered this term by this group. Many interesting lectures offered in this organizations program are illustrative of their progressive and modernistic outlook on the field of engineering. Amongst the many fine lectures presented were: Radio Astronomy by Airborne Instrument Laboratories; Sales Engineering by Mr. Katz of the E.E. Dept.; An Engineering Approach to High Fidelity by Acoustic Research, and others, many others.

Next term, under their newly elected officers they are looking forward to an even more successful term. In the fall they expect to open an electrical workshop. The purpose of this workshop would be to encourage interest in electronics and to give all students the opportunity to assemble, repair, or "tinker" with radios or any household appliance they might wish to fix. In addition to this are planned many informative lectures and several field trips. IRE officers for Fall, 1961, are: Joe Nadan, President; John Blomquist, Vice President; Mel Engel, Treasurer; Barry Horowitz, Corresponding Secretary; Roz Soodak, Recording Secretary. AIEE officers for Fall, 1961, are: Bob Madonia, President; John McAuley, Vice President; Mel Engel, Treasurer: Stu Perlow, Corresponding Secretary; Mike Buczaczer, Recording Secretary.

president Richard Felder and corresponding secretary Stanley Sandler; it is their hope that the idea will be extended in fu-

A highlight of the term occurred at the Metropolitan conference of student chapters, which was dominated by the local chapter. The student paper contest was won by Paul La-Rosa, who is graduating this June, and the ubiquitous Mr. Sandler served as toastmaster for the luncheon.

The climax of the term's activities came at the semi-annual smoker, which featured a skit by the chemical engineering instructors satirizing themselves, a grand opera devoted to chemical engineering, and the hit of the evening, a play about unit operations laboratory written in the style of Shakespeare. This was perhaps A.I.Ch.E.'s finest accomplishment of the term ---bringing culture back to technology.

Officers for Fall, 1961 are: President, Irwin Feuerstein; Vice President, Bill Solitario; Vice President, Stanley 2nd Sandler; Treasurer, Alan Goldfarb: Secretary, Martin Millman and Corresponding Secretary, **Richard Scharp.**

Projects & Tutoring

The C.C.N.Y. chapter of Chi Epsilon, 23rd initiate in the nationary honorary civil engineering fraternity, proudly announces the successful culumination of its 24th semesters program. Under the competant guidance of Tom Stringas, president, the brothers embarked upon and adequately completed the programs that have for so long been characteristic of the society.

The fruitfull efforts of incoming pledges (mandatory forty hour projects) result in the construction of models that illustrate principles organic exclusively engineering. These instructor aides, when donated to the C.E. department, procide the faculty with a means of demonstrating what would otherwise be difficult for students to visualize.

During "E-Day" Chi Ep's are vailable to perform ments and explain the principles of technology applied to civil engineering to parents and whatever visitors may be present at the College. The chapter also maintains a tutoring committee which provides free tuttelege to those students deficient in their C.E. courses. In addition to performance of school service functions, the chapter takes an active part in propogating the National Organization, of which Professor Paul Hartman, chairman of the Civil Engineering Department, is president.

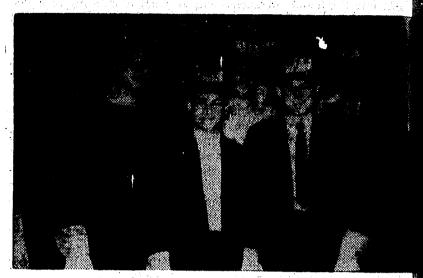
Induction And Memorium

The City College Pi Beta Chapter of Pi Tau Sigma, the National Honorary Mechanical Engineering Fraternity, was chartered in 1942. It was founded to promote good fellowship and best interests of the mechanical engineering profession and of The City College.

This semester our chapter continued its insurance plan. Coverage is extended to all students taking mechanical en-

hood. With Mr. Anderson of Mechanical Engineering partment speaking on "And son's Egocentric Theory of Universe" and the new broth providing enjoyable enterta ment, the Induction Din turned out to be an overwhel ing success.

This semester the Pi B Chapter established the ann Manual Latner Memor Award for Scholastic Achie



New Pi Tau Engineers

gineering laboratory courses. Our chapter, in cooperation with the other technology honor fraternities, continued the service of cataloging student record cards.

On May 13 Pi Beta proudly inducted Virgilio de la Cruz, Roger Engel, Michael Faye, Ronald Hoffman, Charles Liquori, Stan Makadok, Michael Mastrototaro, Herbert Schneider, Frederick Shore, Bernard Shupack, Chris Tsistinas and Fred Zucker into its brotherment and School Service. award is given to perpetuate name of Manual Latner, brother who passed away semester. A praque to men rialize the award will be hu in the Mechanical Engineer office. Maurice Bluestein. recipient of the first award, w presented with the Mark's En neering Handbook at our duction Dinner.

Next semester our chap will host the 1961 National Co (Continued on Page 3)

Up In The Air

The U.S. Air Force has established an officer program for qualified college graduates, both men and women. Qualified applicants receive three months' officer training and then are commissioned as lieutenants. Applicants are considered for only those career fields which they request. This is exactly the arrangement that college men have asked of the military ---an opportunity to work in their chosen career field as officers. - Major Roy A. Dix, the selection officer for the New York area stated that now is the time

must, of necessity, be me thorough and time consumi than the selective service p cessing of draftees. Many Ju graduates may learn that th have delayed too long in inv tigating how to best fulfill th military obligation. Officer plicants make no commitment enter the Air Force until the have been notified of their lection for training, advised the class starting date and to the career field in which th will be utilized. Male applicat may be married and have pendents. Interested June uates should contact Ma Dix's office at 346 Broadwa New York 13, New York telephoning RE 2-8000, Ext. 5

chures and pamphlets about the society.

ASCE has been very active on TIIC this term and next term's president, Ronald Morony and Vice-president, Judy Goldberg. are both members of our society. We also held joint meetings with the Society of Women Engineers and the American Society of Mechanical Engineers.

This term ASCE was also very active within its national body. . It acted as host to an Associate Member Forum in May and played an intergral part in the activities of the Metropolitan Conference of Student Chapters. Lewis J. Sunderland, President-ASCE

Thirty

(Continued from Page 3)

consideration by Student Government. It would do a great deal to enhance Student Government and maybe the students would feel more responsible about whom they elect to the student posts.

S. G. Notes should also be revived. It would be interesting for the student body to see what motions were brought up by Student Government and how the council members voted for them. Campus did print the voting records of the major contenders at election time but this should be printed in S. G. Notes.

To become eligible for membership, C.E. upper juniors and seniors in the top 1/5 and 1/3of their respective classes must (Continued on Page 3)

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for June graduates to begin the. necessary processing for the officer program. The testing and selection of potential officers

