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TECH



SCHOOL OF TECHNOLOGY

VOL. V NO. 6

THURSDAY, DECEMBER 20, 1956

BY STUDENT FEES

peration NEW CURRICULUM CHANGES OUTLINED

BY SID SKLAR. EE'57 atistical and NAT STOCHEL. EE'58 feature In the spring term, 3½ years ers, and planning will be reflected in v. Gibbs the Electrical Engineering Deas were imartment's curriculum changes namics an hich will result in the offerthe firsting of EE 105, 124 and 151. These ded upon re not merely old courses with ered matter numbers, but rather courses chanics thich represent a more modern on of his pproach to the same general ion, ther roblems which faced their preecessors.

11 levels EE 105, as the second course the network sequence, is a ntinuation of EE 104, a course ing offered for the first time is term. The topics planned r EE 105 include a full treatent for resonant circuits. urier series of periodic funcons and three-phase networks, well as multi-mesh and multide circuits. The course is degned, not only to acquaint the ident with the various methods circuit analysis, but also to ve him a physical and mathemacal insight into what is haphing.

In the past the laboratory and titation sessions were partiy divorced from one another. vever, the new EE 124 course I attempt to remedy this sition by adding one hour of b. It is tentatively planned have instructor demonstratiand slides as part of the ture hour. The experiments l deal with oscillography and nsients, field mapping, potiometers, galvanometers and istance measurements among ers. The student will not y be taught how to perform Surements but also will learn certain methods are prered above others, where spe-

(cont. on page 6)

EMPLOYMENT SESSION SET

On Thursday, Jan. 3, Mr. Brenner of the Placement Office will conduct an orientation program for June graduates. It is imperative that all students graduating in June, regardless of their plans for this

EDUCATIONAL STAGNATION CITED



DEAN WILLIAM ALLAN

The New York Eta Chapter of Tau Beta Pi held its thirtyfifth semi-annual induction dinner at the Washington Square Inn on Saturday night, December 8, 1956. Thirty-four new members. including Professor Harold A. Rothbart of the ME Department were initiated into the organization.

At the dinner, Dean William Allan of the School of Technology noted the lack of change in teaching methods in the Tech curriculum. He contrasted this to the many technological changes continuously being made in industry.

Upon further clarification the Dean stated that his main concern was the lack of experimentation with new methods in teaching engineering subjects. He expressed the opinion that an

(cont. on page 7)

day, attend this meeting. It will be held in the Townsend Harris Auditorium from 12 to 2 and is the only one of its kind to be offered this year.

The purpose of the program is to acquaint seniors with employment and scholarship opportunities. Mr. Brenner will also discuss proper behavior and dress and other pertinent information connected with the interview procedure.

At the meeting graduate permanent record forms will be filled out. Employment directories will be distributed as well as a list of the companies and the dates of their visits.

Mr. Brenner will, in addition to the above points, speak on the criteria a student should use in judging his prospective employers, and how the senior can get the most out of the company campus interviews.

DEP'TS GIVEN HIGH RATING

The Engineers Council for Professional Development reaccredited each of the engineering departments here at the City College at its annual meeting in New York at the end of last October. The ECPD, which evaluates engineering curricula of all recognized engineering schools. gave the departments full approval for the next five years. The five year span of accreditation is the longest period that is given out by the Council.

The ECPD, itself is composed of official representatives of (cont. on page 6)

Tech News

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NO NEED TO DISCRIMINATE

Above all, the primary purpose of an honor society is to elect new members. Not withstanding the various services done for the school, the most important function of a society is to confer honor upon worthy applicants. However, with the possible exception of Eta Kappa Nu who recently inducted one, the policies for admitting Evening Session students are nebulous. ranging from utter confusion to outright discrimination.

Understandably, there is a good deal of difficulty in cataloguing the Evening Session because of the fact that there is no classification according to credits taken. i.e. whether the student is a Lower Senior or an Upper Junior.

In the past, at least, some lip service was paid to the evening student by way of a hastily scribbled note tucked away on a bulletin board telling the student that "If you think you're eligible. apply." Currently, even this feeble gesture has been eliminated.

Admittedly, the computing of the averages of evening students is a formidable task. However, each semester the registrar completely catalogues the fifteen or so evening students that are candidates for graduation from the Tech School.

Other avenues should be explored by the honor societies to determine scholastic standings.

To lessen the work still further, the honor societies can secure the services of the faculty and Evening Session Tech organizations in publicizing the qualifications necessary for admittance.

Chi Epsilon, Eta Kappa Nu, Pi Tau Sigma and Tau Beta Pi are really mutual honor societies. conferring honor upon the individual and receiving the honor of numbering the individual among its membership. Consequently, an injustice is being perpetrated on both sides if those students are to be overlooked simply because they weren't fortunate enough to afford to go to college without working full time.

We sincerely hope that the question of admitting Evening Session students into the above organizations will be honestly and openly discussed and that next semester will witness a vigorous campaign waged in order that this iniquitous situation will be remedied.

IN APPRECIATION

The editors wish to convey their gratitude for the fine support given them by the staff members below:

F. Algranti, A. Appel, M. Berger, E. Dembner. D. Grodsky. S. Hirsch. M. Jasper, G. Kramer, R.Liebman, C.Markowitz, K. Muenz, T.Nugent, J. Oppenheim, M. Rosenberg, O. Rosenes, R. Rothenberg, S.Sellinger, R. Shelden, S. Sklar, J. Soller, H. Stein, L. Sussman, G. Turian, P. Ubillos, H. Weber, M. Weiss, F. Zwas, N. Stochel, P. Davies, H. Eisner, L. Appleman, A. Gelb. A. Zussman.

EVENING SESSION N. Voulgaris, J. Bolakia, M. Block, J. Eschuk, C. Halkias, L. Miller, R. O'Malley, D. Simpson. V. Siouris.

A MESSAGE TO TECH SENIORS

Engineering Alumni commends TECH NEWS and the cooperative organizations which are sponsoring the Alumni Membership Drive to take place today at Tech Crossroads.

In the span of 35 years, the infant Engineering School has grown into the largest division at the College. To the Engineering Alumni who supported for many years the request of the College Administration for the new Tech Building, now in the blueprint stage, the realization of this goal in 1959 or 1960 will justify our efforts and faith.

Every Tech alumnus has a stake in the success of this School. Each generation of students has the responsibility of upholding the academic standing and prestige of his Alma Mater. Through Engineering Alumni membership we help make for a brighter future for the new students who seek their education at our School.

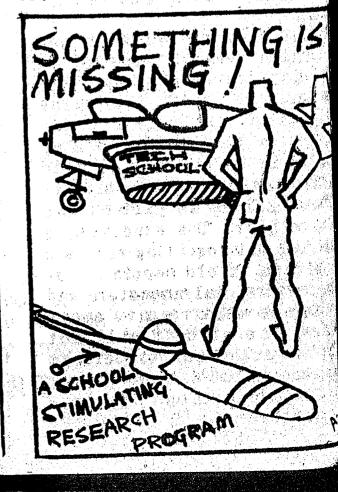
Join today. Become active in the Engineering Alumni when you gradua te.

ABRAHAM ABRAMOWITZ, '36T PRESIDENT ENGINEERING ALUMNI SOCIETY

On November 30, 1956, Edward Purves, ChE'57 became the father muence is no of a bouncing seven pound singsecond part ounce girl, Catherine Irene. conjunction

This was the second daughter of chool of Te the Purveses. Ed's wife, Joan evening prog is doing fine, but she had to ngineers no miss his induction into Tou Beta ollege as we

Pi.



GRADS (MISSI

HURSDAY. DEC

The graduate college's Depa cal Engineeri sequence of t principles of for engineer field.

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GRADS OFFERED MISSILE COURSE

The graduate division of City college's Department of Electrical Engineering is offering a sequence of two courses on the principles of Guided Missiles" for engineers working in the field.

ONLY COURSE GIVEN

The courses, introduced this fall for the first time, are the only ones offered in the metrozation politan area, according to Professor Cecilie Froelich, chairman of the Department of Elecstake trical Engineering.

Covering all aspects of missile guidance, the courses inolding clude guest lectures by experts pres- from inqustrial concerns inthrough wolved in guided missile work, Including Federal Telecommunicafuture tions labs, Bell Telephone labs., Glen L. Martin Co., Bendix Aviation, Sperry Gyroscope and Rebublic Aviation. Among the areas healt with are missile aerodynahics, autopilots, missile guidnce radar, principles of aeroautical radio engineering, hermodynamic problems in missiles, and a discussion of the space satellite program.

Edward The first course in the see father quence is now being given. The und six second part will be offered in Irene. Conjunction with the college's ghter of school of Technology graduate e, Joan evening program. It is open to e had to engineers not enrolled at the Tou Beta college as well as those matricllated for Master's degrees in Electrical Engineering.

INTEREST SHOWN

According to Professor Froeich, "The courses were in trouced because many engineers assigned to highly specialized broblems expressed an interest ind a need for integrated survey curses designed to give them a asic understanding of essential ackground material for the entre field of missile guidance."



COMING EVENTS

With the activities of this term coming to a rapid end, nominations and elections for next term's officers will be forthcoming. The responsibility of each member in selecting these new officers can not

ABACUS SLIGHTS NEWER DEVICES

Despite the advent of many modern instruments to perform calculations (slide rules, adding machines, various types of electrical computers, and the human brain), Professor John Shea of the Physics Department prefers the abacus above all.

The modern abacus (Japanese style) consists of a board on which parallel columns of beads are strung, with a line separating one of the beads of the column from the remainder. There



are from thirteen to twenty-one columns, each containing four beads below the line and just one bead above the line. The theory required for the abacus' use is so simple that about the most difficult fact required for its application is 7 plus 3 = 10. However simple the theory is, the actual application of the abacus to a problem requires a trained, experienced operator. Such training is given to the Japanese as part of their general education.

This ingenious device, which was in use in modified form as early as the Egyptian era, can add, subtract, multiply, divide, square, extract square roots and even compute a laundry bill. One

(cont. on page 6)

be over-emphasized. The success or failure of your organizations will hinge largely upon the selection of capable and active leaders. Since it is you who must make these selections, it is superfluous to say that your attendance will be of utmost importance.

ASME-SAE-ASTE

Next term's officers for ASME will be elected on Jan. 3 while the election of officers for SAE and ASTE will take place at 12:30 in H017 on Jan. 10. The ME Ball. scheduled for Saturday. Dec. 22. will take place at the Vanderbilt Hotel at 8:30. Admission price per couple is \$4. Dancing, skits, and refreshments will be featured.

AICHE

Nominations for next term's officers will be held on January 3.

On the following Thursday, January 10, election of nominees will commence. It is urged that all Ch. E's attend these important functions which will take place in H103 at 12:30 P.M.

ASCE

This afternoon a general meeting, at which nominees for next term's offices will be selected, and will begin at 12:30 in G107.

AIEE-IRE

Laying a transatlantic cable will be the theme of a film and lecture presented by the Okonite Company this afternoon in S126. The film, 'Underwater Giant', will be shown at 12:15 P.M.

Elections for both AIEE and IRE officers will be held on January 3 and 10 in S126.

The editors of TECH NEWS wish to express their sincere appreciation to those students who contributed to the Coming Events column, without whose help all of this would not be possible.

Inlin's City College Barber Shop 4 Barbers — No Waiting

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LENNY KLEINROCK, ES

While most students find it difficult enough trudging to school each day for their five hours of classes and then scampering on home, Lenny Klein rock, an Evening Session student, has managed to maintain an A minus average and still works almost 40 hours a week. Taking 12 credits a term and going five summers in addition. Len will graduate this February, completing the curriculum in five and one half years.

After Lenny received his diploma from the Bronx High School of Science, he intended to enroll as a full-time day student, but just before the semester began his father took him to an electronics company. Len, fascinated by the world of scopes and circuits, decided then and there to attend college at night and work full-time during the day. Lenny has never regretted this decision as indicated by this comment: "Evening Session instructors have a lot to offer because of their practical experience; moreover, working in industry facilitates a better understanding of the physical picture."

WANT TO TRAVEL? GO IAESTE

For the second year, summer employment in foreign countries for science and engineering undergraduates is available to City College students. This unique program was made possible by the International Association for the Exchange of Students for Technical Experience which is a non-profit organization. The program was founded in Western Europe in 1948 by universities and industries of nine countries.

The aims of IAESTE are to train undergraduate science and technology students in the industrial techniques of other nations and to build a foundation for international goodwill. Since its founding, 28,668 students have been exchanged and provided with practical or commercial training in accordance with their studies. The employers have paid sufficient salaries to enable each student to over at least his living expenses.

Hithertofore, American industry and universities have played only a minor part in the IAESTE program as compared to the ac-

Havin'g taken a few courses during the day, Lenny is in a position to compare the day and evening courses. "Most instructors at night tend to give less homework than they would during the day; also, the students in the day seem to be more willing to obey the unwritten ten minute rule if the instructor hasn't arri ved yet."

Recently inducted into Eta Kappa Nu, electrical engineering honor society. Len became the first evening student in many a moon to be accepted. In addition, he is a member of Torch and Scroll and is President of the Evening Session Senior Class. With all this activity he occasi onally finds it hard to squeeze everything into twentyfour hours. In fact, Len still recalls the time he "... fell asleep in Humanities." L. S.

tive participation of the European countries. For example, in 1956 the number of students sent abroad by the following nations were:

1248 Germany Great Britain 743 637 Austria 58 United States

In order to qualify for the this scope ar program, a student must have peal availabl completed three years of his un uate electric dergraduate course and must be dent. This p willing to pay for his om mique in the transportation. Last year, of form generati the four students who submitted the fundament applications to the committee ar elements i all four received offers; of these, two accepted. The committee assisted the students in travel arrangements, visas etc.

Dominick DeMarco, one of the two participants last year, went to Luzem, Switzerland where he was employed as an engineering assistant for a firm manufactur ing elevators; his duties consisted chiefly of testing electrical control equipment. Salar rates were not high but sufficient to pay for his board and other nomal living expenses. A the student is required to work only eight weeks there were four weeks left for travel and sight seein g.

Although the predominant language in Luzem was German, Doi was able to converse in English quite freely with most people, remarkable The working conditions were electronic about the same as in America gineering with the exception of a notice titlet "Pul able lack of pressure on the en quits" and playee: Dom found he was treated fessors Mil more as a guest than as an en Hillman is playee.

Upon returning to the United member of or States, the student, although having less money than when he left, will be far richer in experience, understanding and insight with respect to the industry and the culture of the country where he worked.

Murray Berger, ChE'59

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EE PROFESSION LAUDS NEW TEXT

LOUIS APPLEMAN, EE'57

students who have chosen EE 235 as an elective this semester are very fortunate in having a new book as their text. In the past there was no single book of this scope and fundamental apt have peal available to the undergradhis un. uate electrical engineering stunust be dent. This pioneering text is is ommunique in the new field of waveear, of form generating circuits and in bmitted the fundamental use of non-linemittee, ar elements in pulse and digital ers; of circuitry.



PROF. TAUB. Co. Author of "Pulse AND DIGITAL CIRCUIT"

n English The book, which has created a people remarkable impression on the ons were electronic industry and the en-America gineering profession, is ena notice titlet "Pulse and Digital Cirn the emecuits" and was written by Pros treated fessors Millman and Taub. Prof. as an en lilman is a member of Columbia iniversity while Prof. Taub is a member of our own Electrical En althous gineering Department.

The authors spent more than seven years in preparing the text. Much of the material had to be obtained either verbally from engineers in the field or r, ChE'59 through experimental investigation conducted by the authors. The text emphasizes principally a theoretical understanding of the circuits and techniques of pulse and digital circuitry and, in addition, includes pracical details which makes it an invaluable laboratory reference.

A REPLICA OF OUR FEDERAL STRUCTURE

STUDENT GOVERNMENT

To acquaint the Tech student with the structure of Student Government, we are presenting the second of a series of articles written by Michael Rizzo, CE'57. Senior Class president.

Student Government, boasting a membership of 15,000 students, is the largest organization on campus. Every matriculated undergraduate student at CCNY is a member.

The structure of Student Government closely resembles that of our own Federal Government. It is composed of Executive, Legislative, and Judicial branches.

EXECUTIVE BRANCH

The Executive branch is composed of the officers of Student Government and three members elected from the Student Council. It has the sole power to ratify the charters of student organizations. Should a group of students decide to form a club or fratemity, they must first write a constitution, stating the purposes and objectives of the organization. The constitution is then submitted to the Executive Committee. If it is approved, the organization may use the name and facilities of the college. Also, within the sphere of the Executive branch are the agencies and bureaux of Student Government. The agencies are responsible for putting into practice the legislations of the Council and the bureaux are created when needed to assist the agencies in performing their duties. For example, when the Council decides to run its Amual Bear Mountain Cruise, the Social Functions Agency is directed to execute this decision. It, in turn, solicits the aid of the Ticket Bureau to handle sales. The Executive Committee is also charged with preparing an agenda for Student Council meetings.

LEGISLATIVE BRANCH

The Legislative branch of Student Government is the Student Council. It is composed of twenty-one elected representatives, four elected officers, and a speaker, a newly created position. elected by the council.

The committees of the Student

Council (composed of the members of council) are fact finding groups which investigate proposed legislation prior to its presentation on the floor of council.

JUDICIAL BRANCH

The Judicial branch examines all cases in which there is a violation of the constitution and principles of Student Govemment. It is empowered to settle disputes between individual students and between organizations when one of the parties concerned brings it before the court.

Within the framework of Student Government there are several special Student-Faculty Committees. They act in advisory capacity and provide liaison between faculty and students. There is the Student-Faculty Committee on Student Affairs and the Student-Faculty All-College Conference Committee. The former is concerned with co-curricular activities and the latter with a general improvement of conditions about the college. Other committees are the Student Faculty Discipline Committee, the Honors and Awards Committee, the Bookstore Committee, and the Cafeteria Committee. The Cafeteria and Bookstore were established as non-profit agencies of the college with the sole purpose of providing the students with necessary services at minimum cost.

These Studen t-Faculty Committees were established to represent you and to see that the agencies concerned adhere to the purpose for which they were created.

SMOKERS SOON

AIChE will held their semiannual smoker this term on Friday. Jan. 4. The affair, which will bring together students and faculty, will be held in the Snack Bar Lounge in Finley Center at 8 P.M. Skits and refreshments will highlight the festivi ti es.

The smoker for EE's, sponsored by AIEE-IRE, is tentatively scheduled for Monday, Jan. 21.



ABACUS...

(cont. from page 3)

abscus alone has a range of 1012, but by merely adding another parallel to it, the range can be extended to 1025. This process of paralleling abacuses can be carried out indefinitely.

One odd use of the abacus is the quick coding and decoding of messages. The only major drawback to the abacus is that it has to be held in an absolutely horozontal position to be used.

Professor Shea first became acquainted with the abacus as a student in college and later, as an instructor, he used the device to average test papers with rapidity and with little chance of error. Today he employs the abacus to calculate his income tax and in this respect has found it to be faster and more accurate than hand calculations. The professor's collection of abacuses includes approximately twenty models of various sizes and origins. Some have been made by the professor himself. Only the Russian abacus is missing from his collection. This model is unique in that it is held in a position 90 degree from that of the usual model, and therefore is not too popular nor useful.

SID SKLAR, EE'57

ACCREDITATION...

(cont. from page 1)

eight professional organizations in the engineering field.

The inspection team of the ECPD which visited the college in December, 1955, was comprised of the same educators who represented the Middlestates Association Committee on evaluation. The recommendations which were forwarded to the college with accreditation were synonymous with those included in the Middlestates Association report.

EE CURRICULUM...

(cont. from page 1

cial care is required to obtain accurate results and when these accurate results are needed.

Recent years have seen some very rapid developments in electric machinery as well as in electronics and communications. The electric machine is no longer a static device but must respond with precision to the spontaneous demands placed upon it by various control processes. In this view, a unified theory of machinery is being presented in the newly integrated power sequence EE 151, 153 and 155. which starts next semester with EE 151.

The unified approach is an integrated treatment of machinery from the so called "energy conversion" viewpoint. The first course, EE 151, will begin with ac and de magnetic circuits using the MIT "Magnetic Circuits" as a text. Magnetic amplifiers. which received little mention in the past, will be studied as will transformer theory, although not quite as extensive a treatment as before. The electrical machine is then introduced as merely another link in the electro-mechanical system.

Since the student has already had some ac theory in EE 104, and by now has had a good part of EE 105, the concept of the rotating field as associated with polyphase currents is introduced so that the rotating machine can be considered as an electro-mechanical energy-conversion device through the medium of magnetic fields. This view of the interaction between magnetic fields to produce either a torque or a voltage leads to an early and intergrated picture of the basic fundamentals common to all types of dynamos. There is no distinction made between the dc. synchronous or induction machine since these merely represen specific applications of th analysis carried out from gener al differential equations fo one generalized machine. Th strength of this approach lie in the decision not to train ma chinery specialists through type-by-type detailed analysi women eve process, but to teach a mor compatible theory of circuit srise in and fields in relative motion

To be sure, details of each fessional type are eventually examined i EE 153 and EE 155 and also the applications such as control fused en controllability and amplificaual labo tion. This serves as a transfer in t tion to servomechanisms anst 1886. feedback control methods. How Griswol ever, less emphasis will al and me placed on design procedure suched a dr as the graphical calculation ok. She w armature reaction from the notha Lamm load characteristic and potien to ob triangle or the circle diagraree, wh construction. Instead, more til Westin will be devoted to special mer dist chines such as selsyns, two phath Clark motors (control systems), relu's degre tance torque motors, hysteres at the motors, the amplidune and rotal. Clark trol, and other control typave been generators and their applicage by Ta tions. Also, more emphasis wishment i be placed on the transient becently havior of machines as a system the Engi en's Co compon en t. the engi

The problem of revising fer the v power sequence has been exhaum. They ively studied at the college en empi four years. From that study, unified system was chosen as ten; pro most modern approach. It is es and t ready in use at MIT. This chon Februa corresponds to the changes to of W cently made in the circuit theed from ry and electronics sequence. lization this stems from the increastions w trend of electrical engineer s of wo to become more theoretical society that the engineer must havever 60 more basic understanding of pent for nomena which can be applied at Dre the specific problems that wor. Pu arise in the near future.

A PLACE TO MEET AND EAT GOOD TASTY FOOD - PLEASANT ATMOSPHERE

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WOMEN DELUGE TECH PROFESSION

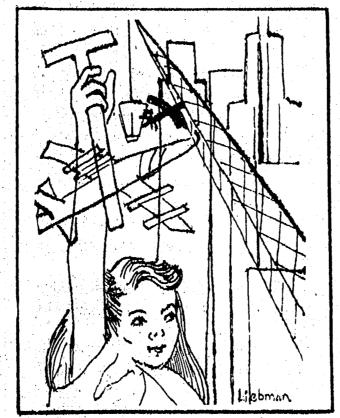
CLAIRE MARKOWITZ, EE'61

approach lie his term the School of Techto train moogy at CONY has been invaded ts through one of the largest aggregate iled analysi women ever to enter this or other engineering college. of circuits rise in interest may be atbuted to the work done by cational, industrial, and tails of eadfessional groups in informing general public.

and also the 1though the public has often n as control fused engineering with heavy nd amplificaual labor, there have been as a transfer in the field since at chanisms anst 1886. In that year Edith methods. How Griswold, who had studied asis will all and mechanical engineering. procedure suned a drafting office in New calculation dk. She was soon followed by from the netha Lamme, perhaps the first tic and potien to obtain an engineering circle diagraree, who began employment tead, more til Westinghouse in 1893. Anto special mer distinguished pioneer. lsyns, two phath Clarke, received her Masystems), relurs degree in 1919. Now teachrs, hysteres at the University of Texas. idyne and rot f. Clarke is the only woman control ty have been awarded the Woman's their applicage by Tau Beta Pi for accom-

transient becently the Western Society es as a systethe Engineers' Professional en's Council began a survey the engineering field to disf revising ter the various fields open to as been exhaum. They found well over 1,000 the college en employed in engineering, that study, such diversified fields as as chosen as ign; production, development,

MIT. This chon February 1952, SWE, the Sothe changes ty of Women Engineers, was he circuit thred from several smaller orcs sequence. lizations which had grown in the increastions where substantial numical engineers of women engineers worked. theoretical society now has a membership eer must havever 600 women. There are at estanding of psent four student branches of n be applied at Drexel Institute of Techoblems that wood, Purdue University, Unisity of Colorado and CCNY. large part of SWE's program to aid and guide the budding dent engineer. As stated by a Perl. President of the PECIALTIE PLET & CCNY, SWE's most imtant function is the orientaof freshman women engineers. 8 is accomplished by short ks by upperclass members in



four degree divisions. The organization also sponsors lectures by women in industry and social gatherings with the female engineering students from nearby schools. The girls also go on plant trips with the other engineering societies and are in charge of refreshments on E-Day.

TAU BATE ...

(cont. from page 1) attempt should be made to anticipate the future needs of our technology and economy and that there is a need to provoke educators to experiment with new teaching methods.

Dean Allan also stressed the shortage of engineering teachers at City College and throughout the country. He urged those present to seriously consider enter-

ing this profession.

At the dinner Professor Maxmilian Chameides of the EE Department spoke on the tribulations of teaching, to everyone's delight. The formal part of the evening was followed by entertainment by the initiates.



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TECHMEN SPUR ALUMNI DRIVE

A drive to enlist new members in the Engineering Alumni Association will be held this afternoon at Tech Crossroads from 11:30 A.M. to 1 P.M. Graduating seniors who have not already paid their alumni dues are urged to do so today.

Mr. Seymour Weisman, secretary of the Alumni Association, cited the benefits available to members. The many alumni charters scattered throughout the nation enable the young engineer to recapture the cul-

HKN INDUCTS 19

With an eloquent dissertation on the benefits of a course in "Elementary Silence" followed naturally by "Intermediate and Advanced Silence" and culminated by "Silence for Engineers", Mr. Victor Axelroad began his fascinating talk at the Eta Kappa Nu induction dinner held Dec. 1 at the Fotel Piccadilly.



MR. AXELROD AND HKN'ERS ENJOYING INDUCTION DINNER FESTIVITIES.

The entire audience including the 19 initiates, was held spel 1bound as Mr. Axelroad, a member of CCNY's Speech Department, vocally ambled in and about his main theme - namely, we should not forget the college once we have graduated; the ties that bind should never be severed. He also asserted that we should contribute to the Alumni Association and the City College Fund because with the help of these two organizations many improvements at the College including the Finley Student Center and the Placement Office were initiated.

The honor electrical engineering society was also treated to
a humorous impromptu speech by
Prof. Hansteen, its faculty advisor. He and Prof. Froelich,
chairman of the EE Department,
expressed their congratulations
to the new brothers and expressed a sincere desire to see many
more new members next semester.

tural and social milieu he knew at CCNY. In addition, the City graduate is kept abreast of employment opportunities.

Other functions of the Alumni Association important to the student are:

- 1. Financial support of the student center and of the placement office.
- 2. An Alumni publication which keeps engineers informed about college life.
- 3. A graduate scholarship fund.

4. Periodical reunions.

The strength of the Alumni Association depends on the support of the members. The fee of two dollars is surely a small sum to pay for the many services rendered.

Ronald Rothenberg, ChE'58

ME'S NEAR CROWN BEAT ASCE 42-3

ASME, previously in a firs place tie with the CE's, won big game last week when the downed ASCE 42-34. ASME jumpe off to an early lead with Dick Matusewicz scoring quick points. ASCE, rallied by Stan Schwartz, came back to ti but ASME again pulled ahead to an 18-11 halftime lead. In the second half the Œ's George Jen sen, began to hit but Manny Bornstein, leading the league with an average of 12 points per game, put in some timely one handers to push the CE's down to second place.

In the previous weeks encounter, ASCE defeated AIEE 53-44. George Jensen and Karl Fritschled the CE's while Rip Rifk in and Charlie Hallas were high scorers for the EE's. That same evening ASME had defeated AIChe 45-30 with Dick Matusewicz and Manny Bornstein leading the ME's

Engineering Alumni



The City College

Attention! JANUARY TECH GRADS

Three groups constitute the college: Students, Faculty, Alumni. Don't let the college down by not being a part of the Engineering Alumni. Join before you graduate at a reduced membership fee.

Class

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Enclosed please find my donation of \$2.00 for undergraduate membership till September, 1958.

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(Make checks payable to the Alumni Association. Membership in Engineering Alumni automatically includes membership in the Alumni Association. It carries a year's subscription to Alumni Association publications.)

CROWN E 42-3

in a firs CE's, won k when the ASME jumpe lead with scoring E, rallied by e back to ti led ahead to lead. In the s George Jen t but Manny g the leagu 12 points per timely one CE's down to

weeks encound AIEE 53-44.

Karl Fritsche Rip Rifkings were high in the same lefeated AIChe atusewicz and ading the ME's

College

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