



## Dean Allan Sees Enrollment Stable

In a recent interview Dean William S. Allan, School of Technology, presented an overall look at the School of Technology and its plans for the future. He spoke of the slight drop in the tech enrollment, the progress being made on the new building, the general changes in the curriculum, and the growth of the graduate program.

The Dean noted that while the final registration figures are not yet available, there seems to be a 5% drop in the freshman enrollment in the School of Technology. However, the total registration of the School of Technology seems to be fairly stable. Last Fall's registration was strongly influenced by a sudden enthusiasm for the sciences as opposed to engineering on the part of many freshmen and an economic recession which discouraged some who would have normally sought a career in engineering. These influences, the Dean feels, have faded. The drop in the engineering enrollment has leveled off.

Satisfactory progress is being made on the new tech building. Dean Allan noted that there was a three week delay in construction, due to the strike in the redi-mix concrete industry. However, the steel strike had no effect on the construction schedule as the contractor's fabricator had a sufficient stock

on hand. The construction contract calls for a construction period of 600 calendar days, thus scheduling the end of construction for the latter part of 1960. A request for a capital appropriation for equipment for the new building is under consideration by the budget director.

(Continued on Page 3)

## SHY?

Does your girl ask why you're not a big man on campus? Are you looking for an excuse to explain away those low grades? Are your literary aspirations being stifled by an engineering education? Are you looking for something to do just to kill time? Join TECH NEWS, the crisp refresher. Win your NEXT pair of roller skates as a Pulitzer Prize reporter.

Candidates classes will be conducted Thursday between 12:30 and 2 P.M. in room 335 Finley. Famous journalists from all walks and several crawls of life will deliver inspiring messages. Don't miss it.

## Registration

In commenting upon the registration procedure Professor Robert Taylor, Registrar, noted a number of reasons for the difficulties that were encountered this term.

An unprecedented number of students re-registered in the School of Technology. For example, at the senior level last term about 15% of the students did not re-enroll. A large number of the supplementary staff were new at their jobs and needed some time to become proficient at their duties.

Election cards if properly filled out by all students should enable the Registrars to schedule a sufficient number of sections. However Prof. Taylor noted that many students failed to file election cards and that students often do not register in those classes which they have filed for. Prof. Taylor requested that students be more careful in filling out the election cards so that a sufficient number of sections can be provided.

Prof. Taylor stated that IBM machines may be initiated into the registration procedure. The machines will be used to eliminate some of the difficulties in the sorting cards and other clerical work. He emphasized that registration procedure would remain the same.

It has been suggested that we adopt the pre-registration procedure of Brooklyn College. There, preference is given to those who have pre-registered for a particular course. Should all sections of that course be filled, a student who had not pre-registered for the course is dropped out. In this way students who must follow a sequence or who need a course for graduation and have filed election cards are not held back. This system seems to get students to fill out the election cards carefully.

In concluding the interview Mr. Taylor said that registration procedure is likely to remain the same for some years to come and that even when the IBM machines do become available, registration for the individual student would not be speeded up.

## TIIC Schedule Due For Vote

Hope for improved performance by the Council was expressed by this term's officers, despite the inability of the Council to elect an E-Day Chairman and an E-Day Ball Chairman at the first meeting of last term.

The executive board of the Technology Interfraternity Intersociety Council will present its fall schedule of activities at the next TIIC meeting.

The accent of the proposed schedule, prepared at summer meetings of the TIIC executive board, is on social activities. Among the innovations planned are an Evening Smoker, to be organized by all TIIC groups, and a Coffee Hour to be held on

North Campus. At present, an Opera Party is being arranged and the possibility of discount tickets for the Metropolitan Opera is being investigated. The familiar TIIC-sponsored Leadership Development Program will continue and TIIC's participation in the Freshman Orientation Program has been planned.

The executive board of TIIC is headed by the President, Judith Perry (EE). The remaining board members, elected at the last meeting of the Spring term, are: Martin Milden, Vice-president; Daniel Schutzer, Recording Secretary; Rita Scher, Corresponding Secretary; and Carl Rizzuti, Treasurer.

Miss Perry has great faith in TIIC's executive board and expects to improve co-ordination of Tech Society activities. She hopes this will result from frequent, scheduled executive board meetings.

It is also to be noted that the Council defeated the idea of a Personal Development Plan last term and in order to conduct one, the Council must support Miss Perry this term, when the plan is again brought to a vote.

At the outset the Council's efforts have been stymied. A survey which was to be used at registration was not presented due to difficulties with the Department of Student Life.



Judy Perry, President of TIIC

## Sory To Head Cadre

Lieutenant Colonel Carl G. Sory, Corps of Engineers, has been appointed Professor of Military Science and Tactics at the City College of New York, it was announced by Dr. Buell Gallagher.

Colonel Sory, who succeeds Colonel Harold C. Brookhart as head of the college's Reserve Officer's Training Corps, had, during the past year, served as Executive Officer of the ROTC Instructor Group. As Executive

many other schools do not." The difficulties he referred to include: The fact that students do not live on campus, the relative difficulty of some courses, the fact that engineering cadets can not include their military science courses in their engineering curriculum, and that cadets from the Baruch School must travel to the Uptown Center for their ROTC classes.

Upon graduation from Texas A&M, where he received a B.S. in Petroleum Engineering, Col. Sory entered the Army. During World War II he served in France and Germany.

In 1955 he was stationed in Bangkok, Thailand with the Joint United States Military Advisory Group. As the group engineer he was concerned with the military construction activities which were part of the U.S. aid program for Thailand. Afterwards he commanded the 806th Engineer Battalion at Fort Rucker, Alabama. In August, 1958, Col. Sory was assigned to ROTC duty at the City College.

Col. Sory, tall, well built and soft spoken, brings to mind the term, "an officer and a gentleman." He speaks with a slight Texan accent and he chooses his words carefully. He closed the interview by outlining the desirable traits of a good officer, emphasizing integrity, loyalty and courage.



Lt. Col. Carl G. Sory

Officer, he was able to meet many of the cadets and developed a high regard for the City College Cadet Corps. In his opinion, "the cadets perform admirably even though they encounter difficulties that cadets at

## TECH BUILDING STEEL FRAME RISES



Excavation from the street

Despite recent strikes in the concrete and steel industry, the construction of the Tech Building is proceeding on schedule. The foundation is in its final stages of completion and one section of the 141st Street wall is done.

Most of the rock that was dug up last term is now being used as a fill-in for the construction of the Throgs Neck Bridge piers. Sand from the

Delancy Street Subway excavation will be used as backfill as soon as the foundation is completed.

Among the many engineers working on the job is Stan Ravens, currently studying Civil Engineering at the evening session. A member of Phi Lambda Delta Fraternity when he attended the day session, Stan is employed as a transit man for the Frounge Construction Company.

## ATTENTION

ALL JANUARY 1960 GRADUATES

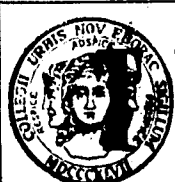
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ORIENTATION

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All graduates interested in  
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# TECH NEWS

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## In Prospect

We begin a new school year, fresh from the invigorating breezes of a sweltering summer in the city, with a staff not entirely unfamiliar with the matter of newsprint. Many of the staff have been found (at various times) with copies of such varied journals as the DAILY NEWS, the SUNDAY OBSERVER, and CAPTAIN MARVEL COMICS in their possession. The experience they have gleaned therefrom has led them into varied scholastic paths—some have indicated three different majors in the course of two weeks—and it is this multifarious experience which will make this year's TECH NEWS a successful journal.

The new editorial board welcomes back into the fold all the Engineers surviving from last year, and offers a warning to all newcomers. The readership of this austere journal, we are certain, will not fail to provide us with interesting material throughout the school year.

In the past, the Editors have found that perhaps half of their information comes to them second-hand; members of the student body seeming reluctant to wend their way to South Campus and climb to the third floor of Finley in an attempt to inform us of news and forthcoming events in various tech extracurricular and curricular bodies of City College. Our office, in case the public is interested, is in 335 Finley. There is a TECH NEWS mailbox in the Information Office in the same building. Anyone can tip us off to a story, but unfortunately we cannot, like WINS, give money to our tipper-offers, they can have only the glory of their names in print, if the story is worthwhile.

Most especially, we would welcome those of you who feel you can spare a little time regularly to become staff reporters. In addition, positions are open on the business staff and in our chorus of Rhine Maidens, the typists and secretaries.

To Freshmen a word of advice: you are entering what is at the same time one of the most difficult and most rewarding engineering schools in the nation. You will be required to pay in effort and attentiveness for an education in other respects free; that is one of the most magnificent opportunities offered young men and women anywhere. Make the most of it.

There is another side to City College life besides hard work, however. Dozens of organizations, both within the framework of the school of Technology and within the City College in general, exist to serve you and be served by you. Your membership in even one of these many groups can do much to ease the strain of engineering training and at the same time make a contribution to the school and your fellow students.

To the Freshman, welcome. And to the returning engineer, welcome back to the gargyle strewn stretches of North Campus, to the muddy lawn down South, and to the bulletin bedecked tunnel of Tech Crossroads. We trust that you all passed your summer courses and that you did manage to crowd at least six weeks of vacation into your summer.

## Placement Statistics: EE's Salaries Highest

The City College Placement Office recently compiled a report on the employment of January, June, and August 1959 graduates on the basis of a questionnaire sent to all graduates. In general, the situation seems to be an improvement over the previous season.

Once again, the electrical engineers led the salary parade. Their average monthly salary was 520 dollars while the civil engineers were low with 479 dollars.

Grades were shown to be quite important in determining starting salary. However, the students in the lowest quarter of chemical engineering did as well as, or better than their classmates in the second and third quarters. Mr. Locum, Assistant Director of Placement, attributes this to the additional effort displayed by these people in seeking employment. Also, they were more willing to go out of town where salaries frequently are better.

More civil engineers entered the Civil Service than private industry. The other engineers favored private industry, thus partially explaining salary differential among graduates in the different branches. No EE's or Chem. E's in the upper half of their respective classes were employed by the government.

Electrical Engineers found most of their employment in New York City, New Jersey, Long Island, up-state New York, and California. The ME's

and CE's found most of their opportunities in New England and New York. Chem E's were employed throughout the country with no concentration in any particular area.

The questionnaire was answered by a total of 406 graduates.

This represents a 74% return of the total graduating seniors in engineering, the arts and the sciences that were registered with the placement office. A total of 306 out of approximately 465 engineers answered the questionnaire. Of the 306 engineers, nine enrolled in full time graduate study, four accepted fellowships or graduate assistantships, ten entered military service and two accepted positions in teaching.

## AVERAGE STARTING SALARIES

Degree	Acceptances In Private Industry		Acceptances In Civil Service		% Sal. Increase from 1958
	No.	Avg. Mo. Salary	No.	Avg. Mo. Salary	
Ch. E.	25	481	2	396	0%
C. E.	10	479	22	411	7%
E. E.	135	520	6	393	6%
M. E.	67	501	11	392	5%

## EFFECT OF CLASS STANDING ON STARTING SALARY

		Top Quarter		Second Quarter		Third Quarter		Fourth Quarter	
		Avg. Mon. Salary		Avg. Mon. Salary		Avg. Mon. Salary		Avg. Mon. Salary	
		No.	Salary	No.	Salary	No.	Salary	No.	Salary
Ch. E.	Priv. Empl.	7	493	8	486	5	447	5	490
	Civil Ser.	0	—	0	—	0	—	2	396
C. E.	Priv. Empl.	5	475	3	518	3	459	0	—
	Civil Ser.	5	401	4	405	7	432	6	400
E. E.	Priv. Empl.	41	546	35	518	22	501	31	502
	Civil Ser.	0	—	0	—	5	389	1	412
M. E.	Priv. Empl.	8	532	21	505	21	490	16	492
	Civil Ser.	4	391	1	373	3	414	3	395
Total	Priv. Empl.	61	533	67	510	51	489	52	498
Eng	Civil Ser.	9	396	5	398	15	414	12	399

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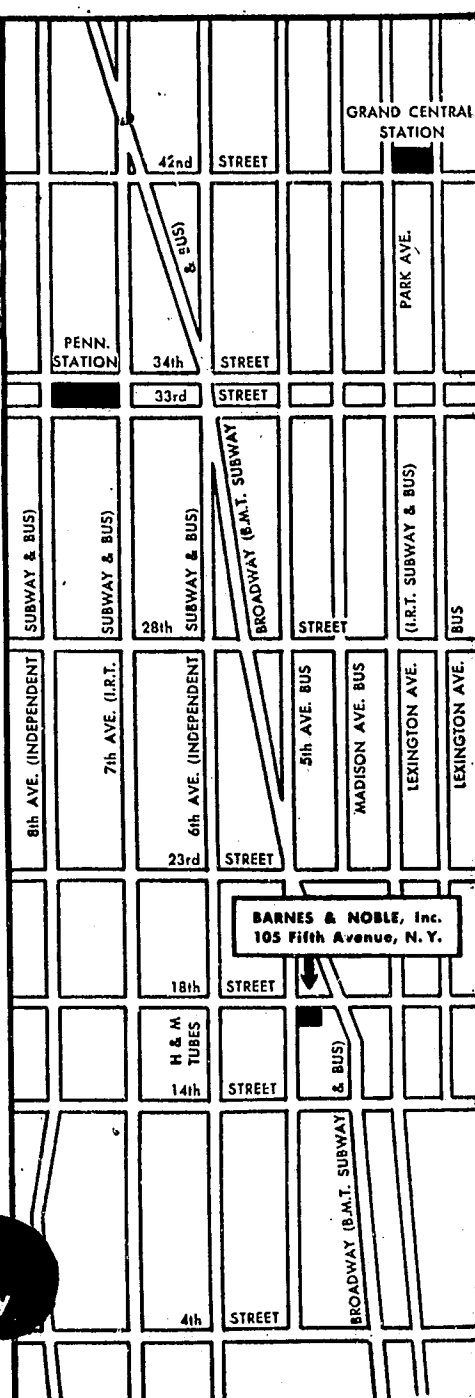
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# TECH LIFE

By MARK LEEDS

Perhaps the most important factor for an individual to consider before deciding upon the pursuit of a scientific (or engineering???) career . . . must be an allegiance to truth . . .

In order to successfully complete the undergraduate courses (leading to a Bachelor's degree) offered by the School of Technology in a fashion which proves to be satiating and rewarding, the cooperation must be willingly offered, met, and received on all fronts . . . to enter with a wanton lust for the alleged lucrative financial benefits as the only objective to fulfill is transgression . . . mental suicide. Also, some of the processes, mechanisms, and proponents of learning here are such that . . . an all-important lesson in humanity can be willfully gained . . . by those open-minded individuals who will make a sincere attempt to think beyond their nerve ends.

At any rate, the wagon of Engineering Education has started to accelerate again. For some persons, their undergraduate careers are entering the final phase . . . for others, it keeps rolling along maintaining and manifesting itself with the individual) . . . and for the remainder, its the beginning of a long hard struggle . . . not a conflict, but merely, a CHORE. The majority of those persons who are involved will benefit . . . materially (at least). For some (perhaps a majority), this endeavor will become the initiator of an ever malignant tumor . . . lethargic . . . enervating . . . with a mediocre existence as an end to the end.

Therefore, choose carefully, and "Go Tech Young Man . . . but don't let that sacred parchment crumble . . . before (during, or after) you climb on that wagon."

Many students have recently voiced a "feeling of discontent" over the Civil and Mechanical Engineering Departments decision not to post the teaching assignments prior to this semester's registration period two weeks ago. Whether or not the respective departments' reasons for this gesture are justifiable is not "the most significant issue." For one can (and does) willingly assume that this action stems from a long-term student-teacher argument that . . . "the departments openly realize, recognize, and condone that students do express a preference for one instructor over another come registration time."

True, it is the individual's ability and work input that should, ultimately, determine the working knowledge of the course that he will obtain and maintain, and, the grade that he will receive. Yet, this measure is not absolute. Just a glance over the records of those senior students at or near the top of their classes will clearly exhibit this. Upon doing so, you will discover that some of these students have enrolled for one particular instructor over and over again during their course of study.

Moreover, I wish to bring to light an analogous situation . . . which, perhaps, will better illustrate the point I am trying to make. Imagine that you are entering a voting booth on Election Day. Once inside, you discover that the names of the respective candidates for each position have been omitted . . . and, it is impossible to ascertain as to which lever corresponds to which candidate. Very undemocratic indeed . . . Of course, one isn't compelled to exercise the privilege of suffrage in this country. However, this alternative, although it is open for all the students to exercise (i.e. insofar as attending college is concerned) is negative in form, and, in essence, self-destructive. Therefore, I feel that the decision for, and installation of this policy (by the Civil and Mechanical Engineering departments) was unjust.

Not too long ago, the EE department decided to discontinue the policy of posting grades. This action, initially, was met by cries of "foul" from the EE student body. However in time, this same student body became adjusted to the measure, and tranquility was re-



EE 152 Manual: "Throw main switch and observe results."

stored. Having "lived under" this rule for a few semesters, I find myself in accord with it; moreover, I now think it to be commendable. After all, only personal experience and heresay now govern the selection of particular instructors for particular courses. True, this might be termed the "hard way." Yet, at least an immature student procedure (i.e. that of choosing instructors on the basis of carefully scrutinizing the bulletin board for the grade results itemizing A's, B's, and F's, etc.) has been done away with. In fact (and now I'm sticking my neck out), if this policy was to be adopted on a college-wide basis, I am sure that after the initial student body attempts to deprecate it the student body as a whole would benefit by it. This attempt (to sophisticate undergraduate behavior and impart some liberalism to selective criteria) will ultimately elevate "the citizens of City College."

The opinions expressed in this column are those of the Tech Life Editor and do not necessarily reflect the editorial policy of this paper. All communication concerning the Tech Life column, including items for insertion in this column, should be addressed to Tech Life Editor c/o Tech News, 335 Finley.

## City's SAME Honored

For the third straight year, the City College post of the Society of American Military Engineers has won the Distinguished Student Post Award. The trophy, which now becomes the proud possession of the society, is awarded on the basis of a post's achievements during the year.

Victory was gained due to the society's relatively large membership in relation to the entire ROTC corps and the full program of meetings and field trips. The speakers at these meetings included the Communications Officer of the Atomic Submarine Skate and the Chief Engineer of the New York Department of Public Works and Civil Defense.

SAME field trips give the

cadets practical experience they may otherwise never attain. The cadets have already toured the U.S. Testing Laboratories, Con Edison's Waterside Power Plant, the Sinclair and Valentine Ink Co., and Remington Rand's one million dollar "electronic brain." In addition to these field trips there are major jaunts around the United States designed to give the future army officer an idea of military life. The society has already visited Fort Dix, New Jersey, where each member was assigned to a Lieutenant for a few days and accompanied him on his duties. SAME was also air borne to Fort Leonard Wood, Missouri, where it took a cruise down the Mississippi River on an Engineer Corps surveying boat.

### SIGMA PHI OMEGA

In order to boost its membership, Sigma Phi Omega, an engineering social fraternity is instituting a program of invites with various female groups from neighboring colleges. A limited number of prospective pledges (males) will be invited to these affairs. They may secure an invitation by applying at the fraternity house, located near school, in the Ivy Delph Apartments at 19 Hamilton Terrace, behind the new tech building.

## ...Dean Allan Sees

(Continued from Page 1)

tor. Allowing 8 months for the purchase and installation of the new equipment Dean Allan felt that some courses may be taught in the new building in the Fall of 1961. He noted that additional difficulties are presented by the fact that some of the equipment must be moved from present locations to the new building on a schedule that will not interfere with the teaching of courses.

He spoke of the increasing use of the sub-critical Nuclear Reactor which will be moved to the new building. This increased use of the reactor was made possible during the past year by a grant of \$18,785 from the Atomic Energy Commission. These funds were used for increased instrumentation. During the past year, a total of six courses in Nuclear Engineering were taught at the college. Some of these courses utilized the reactor in laboratory experiments.

### Changing Curriculum

The curriculum of the School of Technology is by no means static. Dean Allan emphasized that curriculum studies had already influenced the Electrical and Chemical Engineering curricula and that studies of the Civil and Mechanical Engineering curricula are presently underway. The new changes point to an increase in the teaching of the basic sciences and engineering sciences with no emphasis on application. Applications of the theory are to be introduced only where they are essential for a full understanding of the theory. In the present era of rapid technological advance it is felt, Dean Allan said, that the applications can best be taught in industry. The most striking change in the Chemical Engineering curriculum is the institution of a provision for 5 credits to be used as a Liberal Arts elective. The Dean stated that this change was under study by the other departments. He emphasized that all changes in the offerings of the school must be made within the framework of a "practical curriculum." He felt that such a curriculum is one that can be completed within four and one half years. The family economic situation of many students can not justify undergraduate study for a five or six year period. Dean Allan emphasized the need for graduate study on the part of the student after he leaves college. He pointed to the continual growth of the Graduate Division of the School of Technology as being indicative of the availability of evening graduate study in urban centers throughout the nation.

### Praises Program

Dean Allan felt that we have the soundest of undergraduate engineering programs within our credit structure of 145 credits. He stated that while 145 credits is approximately equal to the national average, the School of Technology, unlike many schools, requires that on admission, the student present credit for both trig and algebra and 2 years of a foreign language. The Dean closed the interview by noting that one of the greatest satisfactions of his present post was the opportunity of meeting people who speak of the good reputation being built for the School of Technology by its alumni.

Brooklyn Residents!

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## Sports

The intramural program, directed by Mr. Frankle (Physical and Health Ed.) will start the second or third Thursday of the term. This semester, there will be about twenty five different tournaments held during the 12 to 2 break on Thursdays. The games will include: team sports such as basketball, soccer, touch tackle football, and two man team handball; and individual sports such as boxing, wrestling, weight lifting, and ping-pong. Last term, Mr. Lucia, Physical and Health Ed., instructed a large class of girls in the art of fencing.

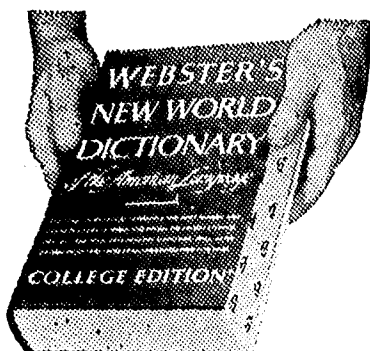
The intramural program is divided into two leagues: the house plan league and the independent league. During the last few weeks of the term, playoffs are held and the victorious teams play their downtown counterparts for the City College championship. Points are awarded to individual students for the competitions entered and for placement in the contests. Mr. Frankle noted that many referees and umpires are needed for the various events. Points are also given to umpires and referees. The student who amasses the largest number of points in the intramural year receives the Alton Richards Trophy at the annual sports dinner. Silver keys are presented to the individual winners. Second and third place winners receive intramural patches.

All students are eligible to enter the intramurals, except for members of the varsity and freshman teams who are not allowed to enter the sports in which they have team membership. Medical examinations within the last year are required for all events. Boxing, wrestling, and weight lifting require a special examination by the College Physician.

Last term 1100 students participated in the intramural program but Mr. Frankle says there is room for many more.

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