



# THE TECH NEWS

CITY COLLEGE OF NEW YORK

VOL. XXI — NO. 6

MONDAY, DECEMBER 7, 1964

STUDENT FEES

## Amendment Proposed For S.G. Constitution

By RICHARD ROSENFELD

A committee has been formed to place an amendment to the Student Government Constitution on election ballots. The move is co-sponsored by the Young Democrats Club and the Young Republicans Club.

The purpose of the amendment is to make clear the meaning of the S.G. Constitution as it relates to students as students. One section of the amendment refers to section 6 of the Constitution, scope and limitation. The second section is a substitution for article 2K the "students as students" clause.

Author of the amendment, Carl Weitzman '66 stated that two things were responsible for the committee's action: "The willful disregard for the Constitution and the patent misinterpretation of the powers delegated to S.G. by a small clique of result-oriented, self-styled, cause mongering politicians."

The committee feels the need for clarification of section 2K

is based upon the intent of the clause when it was adopted in 1954 from the National Students Association Constitution by S.G.

Five years ago N.S.A. reinterpreted this portion of their constitution as did Student Government. Mr. Weitzman feels "the fact that they chose to reinterpret this phrase in the face of its clear intent is intellectual dishonesty at its very worst."

To be placed on the Student Government ballot a motion must have 900 signatures of City College Undergraduates. S.G. elections will be held during the second or third week of December, and some observers feel there is insufficient time to acquire the required number of signatures, thus ruling out any chance of amendment this year.

Job orientation for June Engineering and Science Grads — Thursday, December 10, 12 Noon, Townsend Harris Auditorium.

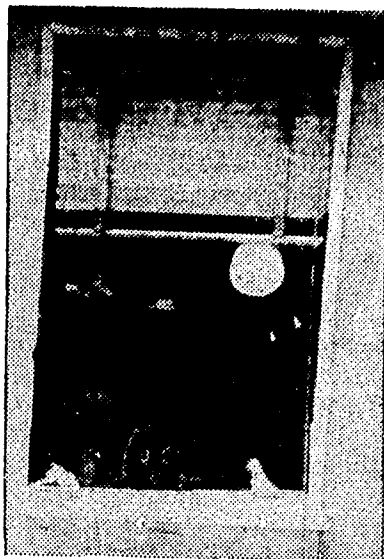
## Sun Shines In Steinman

By BRIAN COHEN

Sunny skies, trees in bloom, and birds on the wing have come to brighten the darkened depths of Steinman Hall.

Since the opening of the engineering building many students and teachers have found themselves incarcerated in classrooms in the basement and sub-basement, linked to the outside world by a not so dependable system of ventilation ducts. No longer may the aspiring young engineer gaze aimlessly through the dirty windows of Shepard Hall at the sun-drenched expanses of St. Nicholas Park, dreaming of the great buildings and bridges that will someday rise as a tribute to his genius. However, deep down in room T052, the sun shines once more. This reporter and a classmate, Freddy Fassman, have erected therein a fine window; complete with window-sill, venetian blinds, one tree, one bird, one sun and two strato-cumulus clouds.

The current scene, which has been in place for two weeks, will



Sunlit Panorama

soon give way to a panorama more in keeping with the season. The reason for the change is the engineering philosophy of keeping up with the times, complemented by the unsolicited additions by free-lance artists; a hydrogen bomb in full bloom and a French mouse wearing a beret.

The sponsors of this project, which has been called "Project Sunlight," have consented to consider applications from members of the faculty who find themselves entombed in their offices with neither sunlight nor birds on wing to brighten their hours of meditation. The windows will be made available in four sizes with a choice of three scenes, including a brick wall for the urban dweller who pines for his native habitat. All orders will be considered on the basis of need and willingness to water the plants.

## Excess Activities Rejected By Dean

By SHELDON ZAKLOW

Dean William Allen (Engineering and Architecture) recently expressed the opinion that engineers should not make a special effort to get into "campus life." This is contrary to the prevailing attitude at City College.

According to Dean Allen, "The purpose of City College is to prepare a person for a productive, useful life in his chosen profession. We know that this is possible whether or not the student participates in many social activities on campus."

The Dean pointed out that the study disciplines in the School of

payment of loans), and most stable group on campus.

Dean Allen also said that "the psychology of an engineer places him on the average among people who are more concerned with things and less concerned with people, except in their relation to the things. This is no fault. A man should give attention where his interests are greatest. To deliberately push him into other areas is bad."

"If campus organizations have the right programs to attract and interest an engineer, he will go towards them. I don't think he should divert himself into a direction he is not yet ready to follow."

The Dean feels that engineers definitely should engage in projects such as tutoring mathematics and science to neighborhood children who are deficient in these areas. "Tutoring is a public service that all qualified students should be happy to give. Also, teaching is one of the best ways to learn the basics of a subject."

Dean Allen feels that each engineering student will find his proper niche and then his contribution to society will be great, since engineers are the ones who create the actual wealth of a city.

He said that "The development of the whole person will not take place in the college. A man may change his life's pattern. It is up to the school to provide the widest range of opportunity."



DEAN ALLEN

Engineering are much more demanding than those for non-tech students, and that too much socializing may be detrimental to the tech student's school work.

In reply to the oft-made claim that engineering students are in many cases removed from reality, the Dean mentioned that several studies have shown that engineers are the best "all-around informed," most responsible (in re-

## Management Experience Offered

City College Engineers now have a unique opportunity to obtain much needed management experience.

The opportunity referred to is "The Personal Development Program." Dr. John D. Hickey, who worked at training business managers before coming to City College, is the originator of this program. He stated that he "had seen many men who were promotable in every way but who lacked the needed experience in personnel management. The purpose of this program is to give the student an awareness of the philosophy of management."

The Personal Development Program is a nine term program arranged in the following sequence:

- 1) during the first term the student is a discussant;
- 2) then if the student decides to continue he may volunteer for discussion leadership training

(Continued on Page 3)

## A.S.M.E. Plans Plant Tour

By ROBERT BOGURSKY

Last week the student chapter of the American Society of Mechanical Engineers began its season's activities with its first lecture. Mr. Sabatella of Pratt & Whitney Aircraft, Division of United Aircraft Corporation, Windsor Locks, Connecticut will speak on Vehicle Propulsion System Concepts. AIAA, ASME, and SAE members should find this subject extremely interesting and informative. All students (not only engineering) are welcome to attend, and should consult the Mechanical Engineering bulletin board in Steinman Hall for the location of the lecture.

Pratt & Whitney Aircraft has also extended the courtesy of inviting students on a plant tour. ASME has decided on Monday, December 28, as a tentative date for this event because it is during the winter vacation and will not interfere with classes. Four to five hours at the plant, including an introductory talk and tours of various experimental facilities

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## Faculty Profiles C.E. Department

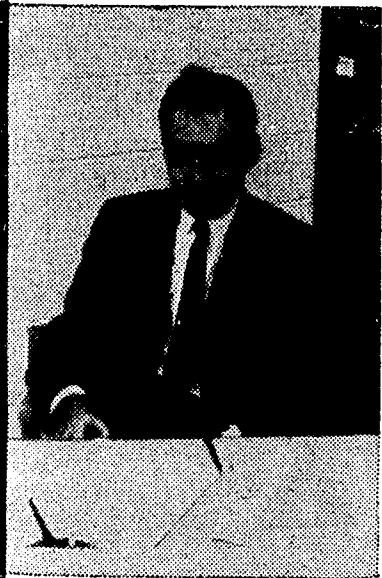
This semester finds 7 new additions to the Civil Engineering department faculty. Among them are one Assistant Professor, four lecturers, one fellow and a laboratory assistant.

The new Professor is Dr. Raymond Parnes. He came to City College partially because of the graduate program that has started, in which he hopes to do active research and partially because of the potential which he believes can be achieved here. At

wave propagations for the U.S. Navy and other governmental agencies. He is unmarried.

Dr. Parnes feels that City College has a very good undergraduate student body and expressed the belief that it has good potential as a graduate school.

Mr. George Oliger earned both his B.C.E. and his M.C.E. at City College. He is a lecturer and finds teaching both stimulating and enjoyable. At present his goal is a doctorate. He has worked both



Dr. Raymond Parnes



Mr. George Oliger

present he teaches courses in Intermediate Structures and Mechanics of Materials.

Dr. Parnes taught courses in Basic Mechanics and Mechanics of Materials at Columbia until 1959. It was at Columbia that he received his B.C.E., his M.C.E. and his doctorate which he earned in 1962. He has worked as a senior research engineer in problems dealing with vibrations and

as a field and design engineer. Mr. Oliger is married.

Mr. Henry Thailer received his B.C.E. and his M.C.E. from City College. He is a lecturer and is now working for his Ph.D. Mr. Thailer has worked for the Public Health Research Institute. He plans to stay in teaching. Mr. Thailer is married and has two children.

(Continued on Page 3)



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## Inquiring Technographer

By PHIL BURTON

**QUESTION:** Do you think Student Council has overstepped its bounds by such recent actions as its declarations on school bussing and persecution of Soviet Jewry? Place asked: Shepard Hall.

**DAVE SCHOENBERG, Lower Soph, Biology.** Yes. No matter what Student Council declares, their actions are worthless. It should concentrate on problems concerning the College, where its opinions will be desired and not waste time arguing on world affairs.



Dave Schoenberg Mary Alexion

**MARY ALEXION, Lower Soph, Math.** The function of student government is to govern, not to take a stand on controversial issues which represent the opinions of a student body that has not been polled on the issue.

**SHERRY ALTMAN, Lower Soph, Speech and Drama.** I feel that the Student Council has the right to defend or oppose those issues which it considers of major importance. However, I do not believe that it has the right to take any definite stand representing the student body without the consent of every interested student.



Sherry Altman Peter Holtzman

**PETER HOLTZMAN, Lower Soph, Electrical Engineering.** I think Student Council has definitely overstepped its bounds. I think the function of the College is to educate students in specific disciplines and the function of Council is to regulate student activities. It is not to comment on disciplines taught at the College. If students learn about Political Science, they shouldn't take out their frustrations that are developed in them in Student Council. There are other established social organizations of expression which are not associated with the student body as a whole which are proper channels for such motions.

## MAIL DEPARTMENT LETTERS

Dear Sir,

Although not in the habit of writing letters to the editor, your totally erroneous November 18th editorial forces me to do so.

I have no way of knowing how Student Government operates under its president — John Zippert. However, I do have first hand information on how Mr. Zippert acted upon the free-tuition issue. His efforts, both in terms of quality and quantity, were nothing short of magnificent. He, Mr. Joel Cooper and their staff did an outstanding job on free tuition. No effort was spared to indicate to the public in New York City, Nassau and Rockland Counties, the importance of noting that their particular legislator had voted against action to restore the free-tuition mandate to the New York State Education Law.

I believe that directly because of Mr. Zippert's and students' action, the free-tuition mandate issue lists high amongst priorities to be taken up by the State Legislature beginning January, 1965.

The author of your editorial who wrote that Mr. Zippert ran "... a completely ineffectual tuition campaign, ..." cannot be aware of the countless days and nights Mr. Zippert and his staff spent in putting the free-tuition issue in the forefront on Election Day.

Mr. Zippert has one consolation: If the free tuition mandate is restored during the next legislative session, he and his students can take a large share of the credit.

The only problem here is that I know Mr. Zippert is too modest to do so.

Sincerely,  
John Stark '68

## Zippert Replies

Dear Sir:

Your editorial of November 18, criticizing this term's Student Government deserves an answer. While I could spend a great deal of space refuting some of the poorly thought out arguments of the editorial, i.e., your claim that my academic status as a "junior" makes me ipso facto incapable of being a good SG President; I prefer to discuss two important aspects of your indictment: 1. that the City University free tuition campaign was "ineffectual," 2. that Student Council has passed a "series of irrelevant motions" and thirdly to suggest a few programs, directed specifically toward engineers, that could be run together with SG's assistance in the ensuing months.

The City University Free Tuition Campaign: distributed a

quarter of a million sheets of election publicity, sold over 12,000 free tuition buttons, involved over 1000 students on three successive Saturdays and on weekdays in political campaigning. United the student government of the City University in a common effort for the first time, received publicity on T.V., radio, newspapers, the national student press, and generally made the public aware of free tuition as an election issue; this record alone shows the significance of our effort. Of the six Assemblymen who directly campaigned against one who was defeated, however, all of the remaining five had their margins substantially reduced and three of these were elected by plurality and not even a majority of the votes cast in their respective districts. Our greatest failing was in not having enough students to carry out the type of intensive and probably more successful campaign, which we desired and planned to have. The same Student Council which you claim is "reaching the nadir of productivity" had an unprecedented record of participation in the actual campaign in addition to an investment of countless hours by many of them during the week to insure the success of the campaign. It might be fair, at this point, to ask why Tech Council and TECH NEWS did not support the campaign more actively?

Today we are closer to restoring the free tuition mandate for New York State than at any other time since it was removed in 1961. Student Government is not going to allow this unique opportunity to escape and we are already planning to insure that the mandate is passed by the legislature and more importantly that it is signed into law by the Governor. SC hopes to coordinate a massive letterwriting and lobbying campaign in conjunction with the other City University colleges, upstate colleges, campus organizations, high schools, PTA's labor unions, civic groups, national educational associations, the USNSA, and other supporters of Free Tuition.

Let us now examine several of those "irrelevant" motions that Student Council passed this term and determine whether they had purpose and substance.

At our first meeting, S.C. overwhelmingly passed a motion supporting the NYC Board of Education's school integration plan, including the controversial bussing proposals, because we felt that the racial composition and admission of minority groups to the freshmen class at City College are related to attempts at a more equitable racial balance at lower levels in the schools. SC urged President Gallagher, as a responsible educational voice in New York City, to make a statement in favor of the Board's integration plan, then under attack, and circulate it.

(Continued on Page 3)

## S.G. Amendment

The proposed amendments to the Student Government Constitution are relevant and extremely necessary at this time. Much of the furor raised over S. G. this term, and for that matter in terms past, has been due to the lack of clarity and ensuing breadth of interpretations of the sections of the S. G. Constitution which deal with the scope and purview of Student Government.

Certainly no organization can function competently when there is doubt as to what its purpose and powers are. The S. G. Constitution as presently worded is too vague, and consequently Student Council spends a great deal of valuable time debating the constitutionality of issues, rather than the issues themselves.

The amendments offered by the Young Democrats and Young Republicans co-committee are well thought out. They represent one philosophy of Student Government. It is for the student body to decide whether or not these amendments appear on election ballots in December and whether they are to be approved.

We urge students to consider the issues at hand and make their opinions known on the role of Student Government at City College.

We urge members of Student Government to rise above the level of party politics and consider these amendments objectively. There are certain to be those who disagree with the amendments. We hope that their criticisms will be based on careful consideration and will be constructive. It is time for Student Government to mend itself and serve the student body.

## Quiet Please

A library is to study in. This simple declarative statement is one which all will agree with, but few will allow to be true.

The Tech Library has inherited a tradition of noise from Cohen Library and added a few embellishments of its own. Most of the noise is the result of students arguing over solution to homework problems. Groups of four and five form, each individual with his own solution, his own opinion and his own loud voice. The resulting din is overwhelming. Then too, there is the stentorian hum of the newly acquired photostat machine.

If the Tech Library is to serve a useful purpose order must be restored. This is not the first plea for quiet that has been issued and it is doubtful that it is the last, however, a mature attitude shown now may save the administration from having to clamp down on Library offenders.

We can only urge consideration for those who wish to study and seek refuge in the Tech Library. Quiet must be restored.

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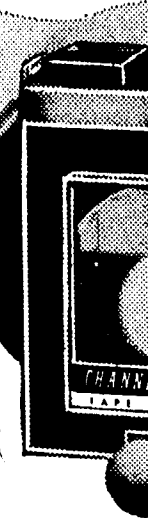
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## Management

(Continued from Page 1)

the student is then ready to a discussion group of Freshmen, radio during the fourth term the student may volunteer for the factor development program on as an involves 20 hours of training along he is then ready to instruct men session leaders; the student may then volunteer, all for the training specialist their man where he will learn the and techniques needed to be by instructors. This also requires 20 hours of training; the student will then gain ble field experience by ing instructors; during the eighth term the student may volunteer for the tive development program; the final term will consist advanced executive development program. These final two include a discussion of the ology of leadership, the ples of management, hu-

## ENGINEERING & SCIENCE SUMMER EMPLOYMENT

The Placement Office will hold an Orientation for Engineering and Science students interested in Summer Employment in the Engineering field.

Engineers must stand in the top 1/3 of their class.

In science a student must have an overall average of 84.00 or 0.9 index.

Orientations will be held in Finley Student Center — Room 217 at the following times:

Thursday, Dec. 17th 12:15 P.M.  
Tuesday, Dec. 22nd 3:15 P.M.  
Thursday, Jan. 7th 12:15 P.M.

Important — students must attend one of these orientations in order to be eligible for this program.

man relations, the functions of management, personnel administration, etc.

David Camm, the student chairman of the program, mentioned that this program aided the student by developing his self-confidence, by teaching him how to speak in front of a group of people, and by teaching him how to think on his feet.

Smirnow

## Zippert . . .

(Continued from Page 2)

culate it to the parents of City College students. The second of these motions was one co-sponsoring with Hillel an educational speaker program on the discrimination of the Soviet government against the Jews in Russia. Student Council did not communicate any protest of this discrimination to the Kremlin, as some would have you believe, but rather urged that students attend an informational program on the issue.

The third of these motions was one allowing the NSA Committee of SG to participate in the Fast for Freedom, a national program to raise money to buy food for the impoverished families of Mississippi, who have been economically discriminated against because they attempted to register to vote. The Fast was a symbolic way of making American college students aware of the situation in Mississippi and to remind them that the cause for which Andrew Goodman (a City University student) and others like him gave their lives was an important and continuing concern for all students. I am sorry that City College students contributed only \$110 for the Fast while Hunter gave six times as much and Columbia gave eighteen times the amount.

This is just a sample of the motions Student Council has passed this term. We have also passed motions: to establish a survey of neighborhood housing facing urban renewal, a committee to run a student flight to Europe, a project to tutor in neighborhood afterschool centers, a committee to investigate and publicize Selective Service requirements, a committee to initiate discussions on curricular change, a committee to urge repair of the water fountain in Finley, a training program for future members of SG, a committee to urge more participation by minority group members in clubs and organizations, a career conference for neighborhood children at the College and countless other motions. There are some students who feel that Student Council is "tilting with windmills," the best I can hope for these people is that they are not "blowin' in the wind."

The managing board of Tech News was kind enough to suggest that I had seven months to redeem my misspent youth, therefore, I recommend the following three programs for engineering students and welcome any additional ideas you may have for programs.

1. One of the City College's greatest problems is the geographical and intellectual isolation of, and alienation between engineering and liberal arts students. Besides the usual suggestions of more equitable distribution of space (a new North Campus lounge) and funds, more creative solutions to this problem of "campus segregation" must be found. An interesting proposal to end geographic stratification would be to request that the registrar schedule some engineering sections, which require no special equipment, in South Campus recitation facilities and to hold some social science sections in Shepard Hall. While these changes would probably be somewhat superficial, a merger of the presently separate Freshmen Orientation programs for engineers and liberal arts students, would be beneficial in allowing students of differing vocational objectives to develop contact before the process of

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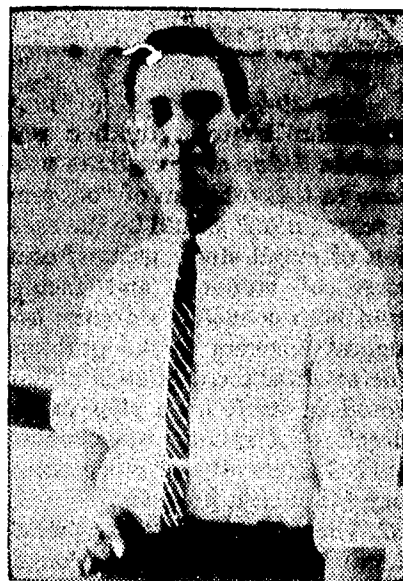
## Profiles . . .



Mr. Henry Thailer

(Continued from Page 1)

Mr. Fredric Blanc received his B.C.E. from City College in 1962. Mr. Blanc, who is a lecturer is now working for his M.C.E. He



Mr. Fredric Blanc

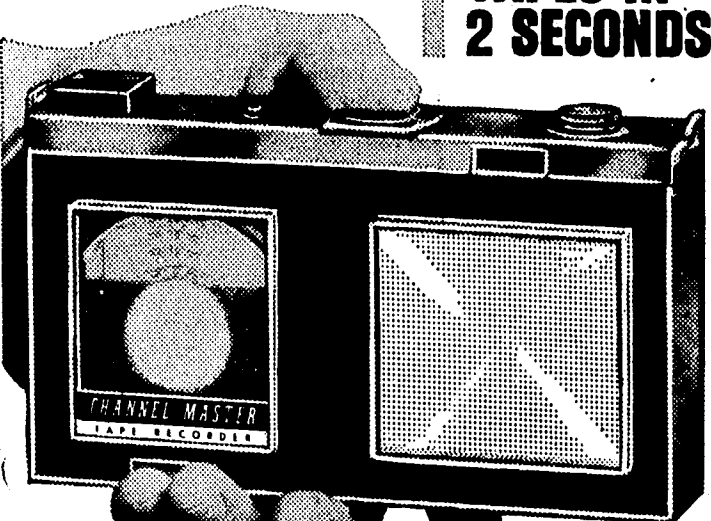
has worked as a sanitary engineer for the U.S. Public Health Service. He plans to continue teaching. As an undergraduate he was a member of Chi Epsilon and won a letter on the varsity swimming team.

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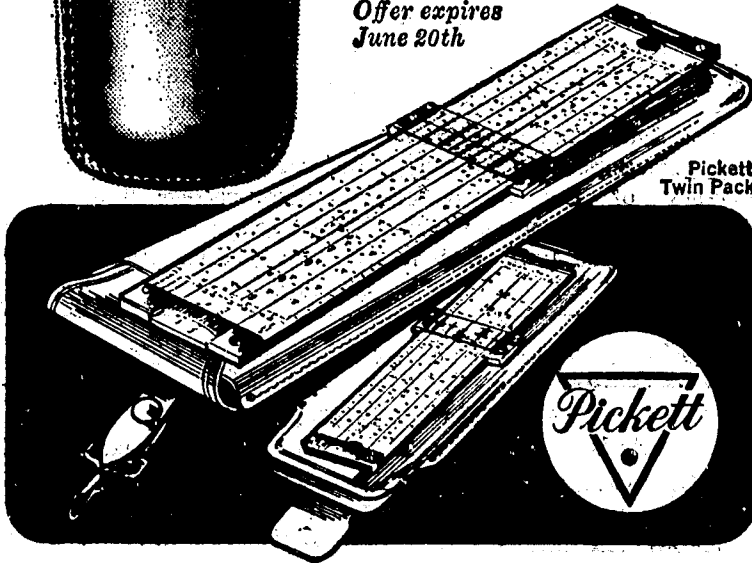
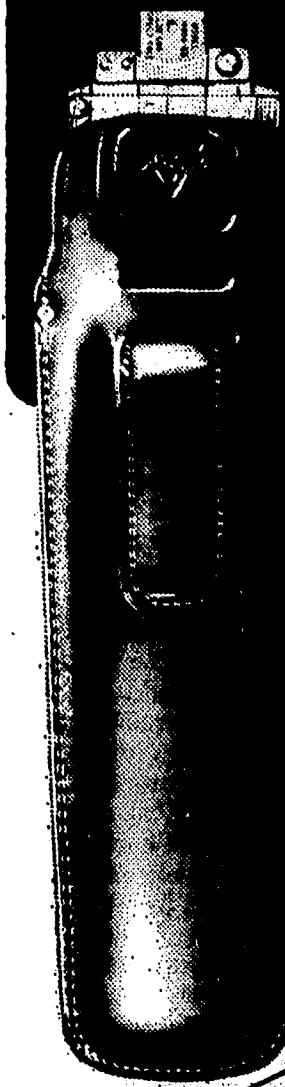
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## Zippert . . .

(Continued from Page 3)

alienation begins. Another proposal to define and originate solutions to this problem of "academic segregation" would be the creation of small study groups, composed of students and faculty from both schools, to discuss and suggest answers to the problem. The establishment of such groups would in itself be a step in the direction of solving the problem and SG offers all assistance necessary for such a program.

2. There are a great many small Negro technical colleges throughout the South which are impoverished and in need of assistance. The USNSA coordinates a program called Books for Equal Education (BEE) which seeks to improve the libraries of these less

privileged colleges. Why doesn't Tech Council "adopt" one of these colleges and collect technical books and magazines for a sister institution in the South, through the BEE project. Eventually this cooperation might even lead to faculty and student exchanges of a mutually enriching nature.

3. This summer, together with two engineering students, I participated in a tutoring project in

a Harlem community center. Both of the engineering students said that they have never before participated in co-curricular activities or in community activity at City College. They were very sorry that they had not, because the experience they gained as tutors was so enlightening and exhilarating. My third suggestion, is that engineers participate in community service programs such as the one envisioned by SG. There are hundreds of school children in the immediate neighborhood of the College who could use your help in learning trigonometry, geometry, or how to use a slide rule. As an engineer you possess

special skills which are needed and can be taught to other people who need this assistance. Your participation in a project like this for a few hours a week, besides bringing satisfaction, may enhance your job potential by showing future employers that you are not one-sided but have many interests.

This has been a very long letter, however, it is always harder and it always takes longer to rebuild and construct something than to attack and destroy it.

Sincerely  
John Zippert  
SG President

## A.S.M.E. . . .

(Continued from Page 1)

and production areas, could with a pleasant bus ride to Windsor Locks, Connecticut, should prove to be a full day of enjoyment.

Since a majority of work is carried on by Pratt & Whitney connection with military applications, and a large amount classified, the trip is limited to U.S. Citizens. Room will be provided for only 50 students. Those interested should sign up at a lecture tomorrow before the room is filled.

## One Of A Kind Seismograph Installed

An electronic seismograph visual recorder, the only one of its kind in New York City, has just been installed at City College. The visual recorder will now enable geologists here to obtain an instantaneous record of earthquakes and major explosions including nuclear blasts.

The new recorder, recently acquired by the department of geology, is located just outside the department's office on the third floor of Shepard Hall on City College's North Campus. It is connected by 800 feet of shielded wire to the college's Babor Seismograph, located in the basement of the building.

The seismograph, named after Professor Emeritus Joseph A. Babor, who contributed toward its purchase, has been in operation at the college since 1948. It has its own built-in photographic recorder. Since the photographic record must be removed and developed once every twenty-four hours, it does not give an instantaneous record of seismological occurrences.

The new recorder, which provides an inked record of phenomena, gives an immediate indication of earthquakes and other geological happenings.

The visual recorder is composed of a paper-covered drum enclosed in a three-foot glass case. The drum rotates once every half-hour while moving along a horizontal shaft until twenty-four hours of information has been recorded in red ink on the paper by a stylus. The drum is reset every morning and turned off during the week-end. The drum is the most important part of the visual recorder which enables geologists to immediately discover and watch the progress of an earthquake.

Lines recorded continuously on the drum as quarter-inch peaks, represent small tremblings of the earth's surface. These "micro-seisms" are generated by wind passing over the oceans off the East Coast. Earthquakes cause the pen to trace huge mountains and deep valleys. Tremors from the subways or excavations near the college do not affect the seismograph.

## Galileo Exhibit On Display

An exhibit commemorating the 400th anniversary of the birth of Galileo Galilei, physicist, mathematician and founder of modern astronomy, has been placed on display in the lobby of City College's Morris Raphael Cohen Library, 135th Street and Convent Avenue.

The memorabilia include books, models and photographs relating to the life of Galileo. In addition to depicting places where Galileo worked, the display contains a photograph of a swinging chandelier in Pisa's cathedral which is said to have suggested the principle of the pendulum to Galileo. Another photograph depicts a window looking out on the leaning tower of Pisa. A table in front of the window holds a letter in which Galileo wrote of his experiments. The table also holds two stone balls like those he is said to have dropped from the tower of Pisa during the famous experiment which led him to the conclusion that bodies of different weights fall with equal velocities and uniform acceleration.

Also on exhibit are a modern replica of Galileo's telescope, a sheet of printed music composed by Galileo's musician father, a facsimile reprint of a 17th century translation of Galileo's famous "Discourse on Bodies in Water," and two volumes of "Opere," a thirteen volume set of the works of Galileo. This set features diagrams made by Galileo to illustrate experiments dealing with motion and mechanics.

The exhibit is the second in a series of commemorative displays entitled "Anniversaries, 1964," compiled by City College's archivist, Mrs. J. P. Franck. The first, held from September 1 to November 6, commemorated the 400th anniversary of the death of Michelangelo. The current display will continue until December 30.

## Graduates Continue Studies

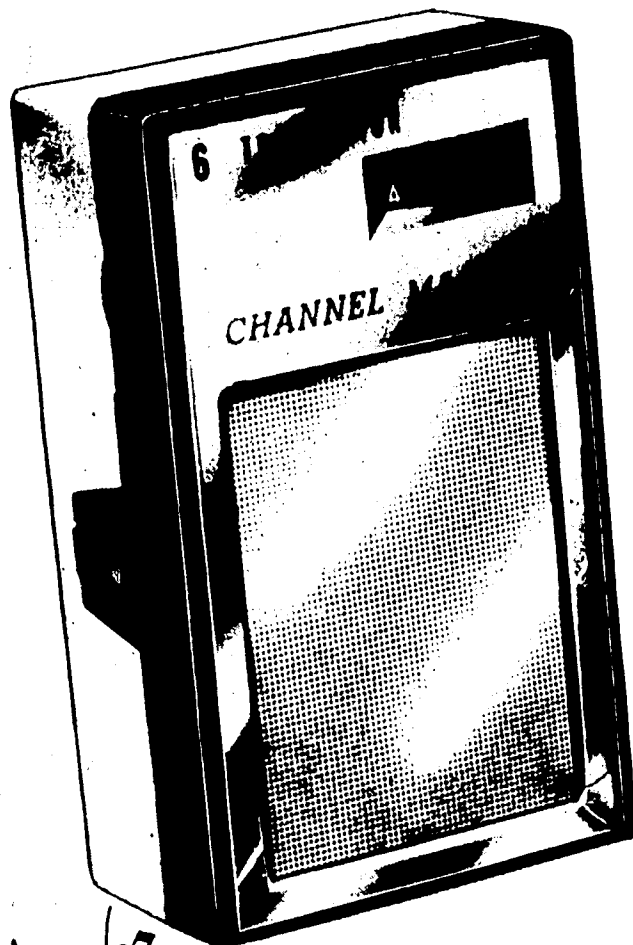
By FRANCINE COURNOIS

Each semester's group of graduates of City College's School of Engineering and Architecture are asked to fill out questionnaires pertaining to graduate study. Dean John R. White (Engineering and Architecture), who is in charge of this graduate survey, received replies from 69% of the June 1964 graduates.

The survey revealed that a majority of the graduates who replied, in all fields except civil engineering, were planning to attend graduate school. The schools

most in demand were City College Uptown and New York University. Other schools mentioned included Columbia University, University of Buffalo, Brooklyn Polytechnic Institute, Massachusetts Institute of Technology and University of Pennsylvania.

The graduates were also asked to list the awards they had received. About 20% of the students received awards. These included eleven fellowships, four assistantships, four scholarships, and six National Science Foundation Traineeships.



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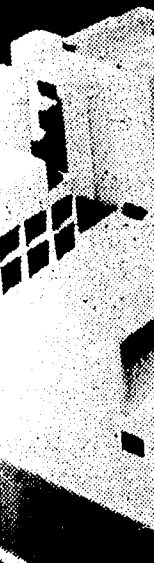
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