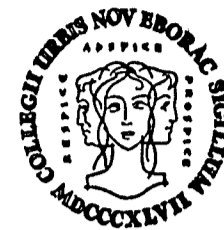


welcome to engineer's day
saturday, 23 november

TECH NEWS



THE CITY COLLEGE

VOL. XXVIII — NO. 8

WEDNESDAY — 20 NOVEMBER 1968

NEW YORK, N. Y.

Tech Council Head Gives E Day Details

Exhibits, Lectures, and Tours Planned

By BEN REISCHER

Tech Council, in cooperation with the School of Engineering is sponsoring E Day on Saturday, November 23 from 10 a.m. until 2 p.m., an event that marks the Fiftieth Anniversary of engineering at CCNY.

To celebrate, students from many engineering schools all over the country will attend. Visitors are coming from Brown, Cornell, Northeastern, Rutgers, Washington State, Louisiana State, Rhode Island, Michigan Tech, Manhattan, Johns Hopkins, University of Texas, Clemson, Texas A. & M., and Lehigh, as well as metropolitan engineering schools. While they are here many will also participate in the Society of American Military Engineers' national convention.

Through numerous exhibits, tours and lectures the engineering student will have an opportunity to demonstrate the knowledge, ability and ingenuity he has acquired in his chosen field.

E Day offers the pre-engineering (lower classmen who have not yet chosen in which field of engineering they wish to specialize), high school seniors and other interested persons an opportunity to preview the life and times of an upper class engineer and perhaps help one reach a specialization decision and acquaint one with the other engineering disciplines.

For the high school student and his parents, E Day is a chance to see what an engineer

does in the lab and in industry. Too often students may shy away from engineering because they do not know the basic facts.

E Day is a source of pride for the faculty and administration and results in publicity for the school and helps to entice more students into the Engineering School's web.

Group tours will be conducted through the various engineering departments where unique student-designed exhibits will be on display. Typical lab experiments will also be set up.

A highlight is a special tour of the Computer Center, which has some of the finest equipment in the country. Visitors will also have an opportunity to see the College's electron microscope and our sub critical nuclear reactor.

At the end of the tour visitors will be able to relax in Steinman Auditorium and view a series of films representing each department. The films will be screened continuously until 12.

High noon is the time scheduled for the drawing of door prizes in the auditorium. As a special feature this year, Miss Technology and the runners-up will serve as hostesses. Miss Tech will draw for the grand prize winner.

Each department will have a table in the lobby for answering all questions. Refreshments will also be served there.



OFFICE PARTY: Do Administration offices need an infusion of fresh young talent? Here a potential clerical staff quickly realizes that filing can be fun if one is systematic.

Faculty Council Says No Cop Invitation Without Consultation

President Gallagher Tries to Pull an Ace from Sleeve

By ZVI LOWENTHAL

The Faculty Council passed a resolution to censure the actions of the Administration for calling police (on Nov. 7) without consulting the faculty or student groups, on Nov. 14. An amendment to drop charges against those arrested failed.

A total of two amendments to the motion were introduced before a resolution was passed. The first motion, presented by Professor Alfred Conrad (Economics), called for dropping of all charges, censuring the Administration, retaining equal rights for all student groups, and not pursuing school discipli-

inary action against those arrested. This was amended to call for the censure of the actions of the Administration. Then Prof. Conrad made an attempt to include a provision to drop charges against the students and restoration of rights to Students for a Democratic Society and The City College Commune. This motion failed.

During the discussion President Buell Gallagher stepped down as chairman and Dean Sherburne Barber (College of Liberal Arts and Sciences) presided. Heated arguments arose from both sides and secret ballots were taken for all motions

and amendments.

In a speech to the Council, Dr. Gallagher explained his justification for calling the police on campus. He said that this action was the only way to stop what was occurring in Finley Student Center, namely: vandalism, sex, pot, and illegal occupation without a permit. The President left the meeting while the vote was being taken. A motion to drop charges against the arrested students is expected to come up in the next special Council meeting on Thursday.

Earlier, when the discussion of the sanctuary was called, (Continued on Page 2)

City College Stationery: Nothing to Write Home About

The Time Has Come, the Chairman Said, To Talk of Bulletins, Letterheads, Style and Design Contests

By ROBERT KALISH

The students, faculty, and administration of the School of Architecture have decided to rebel against the graphics of the College. In connection with the rebellion, the School is sponsoring five design competitions open to all students.

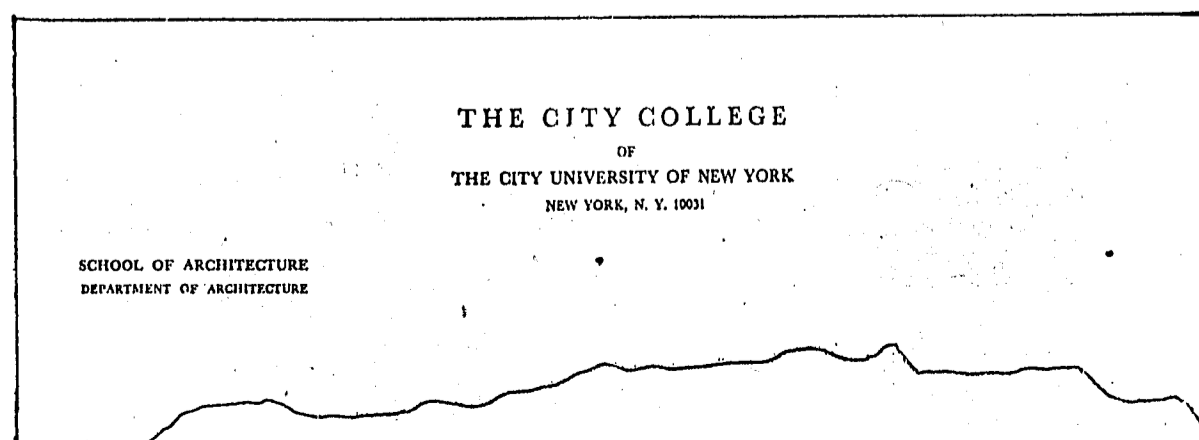
Holding a sheaf of standard College stationery in his hand, Professor Frank Majer (Chairman, Architecture) said, "We really don't have to be using this, it's really not too pretty." Many faculty members, students, and Majer himself are also upset over the looks of the

College Bulletins, criticized earlier this term by TECH NEWS. "I don't know about the other schools at the College, but we're going to do something about the Architecture Bulletin," said Majer.

One competition will be for the design of new stationery for the School of Architecture and Environmental Design. No design or color restrictions have been placed upon entries.

\$500 Budget

A second competition will be for the design of a student (Continued on Page 7)



THE INSTIGATOR: Uninspired letterhead touches off graphics revolution in the Architecture Dept. that has spread like the Hong Kong flu to the Architecture Bulletin and as far as the City University Bulletins. Design competitions are being sponsored by the Architecture Dept. to enliven the view.



WAITING FOR GODOT? President Gallagher? the milk train? A sense of expectancy characterizes this group sitting in the Administration Building.

Gallagher Tries For Closed Meeting

(Continued from Page 1) President Gallagher made an unprecedented move by calling for an Executive Session, which would exclude everyone present except members of the Faculty Council. Opposition was quickly expressed by members of the General Faculty and Faculty Council. Professor Bernard Bellush (History) pointed out that such a move was never taken nor was in the Faculty Council by-laws. President Gallagher explained that such action had occurred at Board of Higher Education meetings, but refused to reveal who had originated the motion and explained that the nature of the discussion should not be open to members of the press or to non-voting members of the faculty. This conflict over the proposed "closed meeting" resulted in a second heated debate. The outcome, a compromise proposed by Prof. Bellush, admitted all members of the General Faculty and four members of Student Government

while all members of the press and Administrators were asked to leave.

ROTC Tabled

Initially, Prof. Robert I. Wolff (Physics), Chairman of the Committee on Curriculum and Teaching, revealed that his committee had voted to drop credit from all Military Science courses. His committee voted seven to five with one abstention to remove accreditation.

Lieut. Colonel Scott, representing the Military Science Department stated that his representatives on the committee did not have adequate opportunity to present their case and familiarize the Committee on Curriculum and Teaching with detailed information on Military Science courses. A motion was proposed and passed to have the Committee on Curriculum and Teaching reconvene to reconsider their decision, and to resubmit it at the next Faculty Council meeting on Thursday.

Two Events in December Will Explore Fluid Sciences

Symposium Marks Doctoral Program in Fluids

By OTTO HAMMER

Six distinguished contributors in the fields of fluid and thermal sciences will speak at a symposium to be held at the College on Friday, December 27.

The College's engineering departments are hosting the symposium to announce the introduction of a new doctoral program in Fluid, Thermal, and related Engineering Sciences, according to Prof. Sheldon Weinbaum (ME), one of the conference organizers.

The doctoral program will provide for advanced study in six fluid related areas, including: biofluid mechanics, gas dynamics, chemical fluid mechanics, geofluid mechanics, heat transfer, and statistical fluid physics. The faculty for this program is to be drawn from the Departments of Chemical, Civil, and Mechanical Engineering of the School.

Prof. Weinbaum reports that invitations to the symposium have been sent all over the country, but he expected most of the attendance to be researchers, graduates, and senior engineering students from the neighboring areas.

Topics for discussion by the guest experts are some of the recent research developments in the six fluid areas. They will be:

- "Geophysical Fluid Motions" by Dr. George Carrier, a Gordon McKay Professor of Mechanical Engineering at Harvard University.



Prof. Sheldon Weinbaum (ME), who helped to organize the fluids symposium and career conference with the assistance of Profs. Clarence Anderson (ME) and Bernard Hamel (ME).

- "Kinetic Theory of Gases" by Dr. Harold Grad, Professor of Mathematics at the Courant Institute of Mathematical Sciences.

- "Confined Flows with Body Forces" by Dr. Simon Ostrach, the head of Division of Fluid, thermal and Aerospace Sciences at the Case Western Reserve University.

- "Low Reynolds Number Hydrodynamics: Particulate Systems" by Dr. Howard Brenner, Professor of Chemical Engineering at the Carnegie-Mellon University.

- "Wave Motions in Fluids" by Dr. Wallace Hayes, Professor of Aerospace Sciences at Princeton University.

- "Fluid Interface: Medicine and Engineering" by Dr. Mortimer Buckley, Associate Harvard Medical School, Assistant in Surgery at Massachusetts General Hospital.

Students will be admitted free, but registration for the symposium must be made in advance due to the limited availability of seats.

The organizers of this 50th anniversary conference are Professors Clarence Anderson (ME) Chairman, Bernard Hamel (ME), Robert Pfeffer (Chem E), and Sheldon Weinbaum (ME).

Conference on Careers in Fluids

Three members of the Mechanical Engineering Department, Professors Clarence Anderson, Sheldon Weinbaum and Bernard Hamel, have organized a Career Guidance Conference on Man and His Fluid Environment, in co-operation with the New York Section of the American Institute of Aeronautics and Astronautics. The conference, presented for the fifth year by AIAA, will occur for the first time at the College on December 14.

Dr. Arthur Kantrowitz, Vice President of the Avco Corp. and Director of the Avco-Everett Research Lab will speak on "Man's Biofluid Environment: Blood Flow and Artificial Heart." George Schairer, Vice President of Research and Development for the Boeing Co. will discuss "Man's Aerospace Environment: The Supersonic Transport and Space Exploration."

"Man's Geofluid Environment: The Oceans and Atmosphere" is the topic of Professor Edward N. Lorenz, Department of Meteorology at MIT.

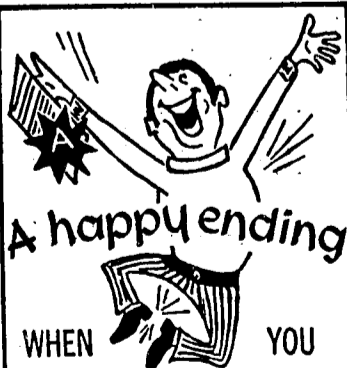
William Allan, Dean of the School of Engineering will deliver the opening address at 10 a.m. in Townsend Harris Hall.

After lunch Prof. Sheldon will speak on "Education for a Career in Aero-Bio and Geofluid Engineering Sciences." Films on "Man's First Walk in Space," "The BioSatellite Program — Between the Atom and the Star," and "The Restless Sea" will be shown.

The program is open to all, and is especially valuable to those College students who are unsure or undecided about their future. Invitations have also been sent out to selected junior and senior high school students in the greater New York area. Registration for the conference is at 9:30 on December 14 in the first floor corridor of Townsend Harris Hall.

Wrong Enemy

In our last issue, TECH NEWS quoted Rick Reed of the Onyx Society as calling OP "the enemy." The statement was in fact a reference to the administration. Mr. Reed re-emphasized that to comment on OP would cause dissension." We apologize for any misunderstandings that may have arisen as a result of our error.



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History Honors Courses Offered in Last Attempt

By HARVEY SCHOENFELD

The History Department, in an attempt to initiate more personalized education within the department, has established a brand new honors program, according to Professor James Watts. The program will allow the student to have closer contact with his teacher and permit the student to do individual research on a topic of his choice.

The new honors program, which will run for three semesters (3 credits per term) and will have to be started in the upper junior year. A "B" average will be required to be admitted, "but this point is very negotiable" says Professor Watts. Each student will have a private interview beforehand.

Sixteen professors have already volunteered to take part in the program which is slated to begin next term. Each professor has given a list of topics

that he will cover, and the student will then pick the professor of his choice and contact him.

During the first two semesters, the student will be guided by his professor. They will discuss the general topic and the student will read prescribed books. The student will finally pick a specific topic, and by the end of the second semester he will hand in his research paper. During this time, the student could see his professor as little or as often as possible.

During the third semester, all the students will get together in an informal seminar led by two or three professors.

The biggest obstacle facing the program is the total lack of student interest. "The previous honors program was a mess, but if there are no students interested in this one, it is over," says Professor Watts.



true confessions of student engineers

SENSE OF SECURITY DESTRUCTION DEPT.: One of the most valuable things a civil engineer learns is how to build a bridge by "fudging." Wonder if this skill has transference power.



By LAURENCE NICHOLAS

When I first visited CCNY during E and A day four years ago, I was impressed by only one item on the tour of the civil engineering facilities. Someone had trained a transit on one of the second story windows of the building across the street (Shepard Hall), and pasted on the window was one of those Playboy centerfolds (you know the kind). I was not as excited by seeing a nude female at 100 yards as I was by the mistaken impression that the transit contained this picture and that I could spend my next four years peeking through transits while working myself up to that fantastic salary I would be offered when I graduated. Needless to say, I was soon disappointed, and in more ways than one.

I met other freshmen engineers when I started school, and some of them admitted they were only interested in the money. They soon flunked out. Lesson number one — don't go into engineering for money. There are other fields where the work is easier and the pay check is fatter; as to which ones they

homework problem, and they'll go out of their way to help you.

The civil engineering students, as a group, are closer than any of the other engineering departments, for a few reasons. First of all, the total class is usually smaller than those of the other departments. Secondly, many of our civil engineers "hang out" in a room in Steinman during their free hours, allowing us to get to know one another better, go over homework problems, or generally kill time. Thirdly, one of the required courses is "Surveying Summer Camp" which is held in Van Cortlandt Park, where we really get down to what it's like to work with one another as engineers and where we learn the fine points of fudging. Fourth, Chi Epsilon, the engineering honor fraternity, is really a well-organized and effective organization among its brothers and the faculty, and it also has a file of all the old lab reports that were done by last year's genius student who worked forty days and nights on it, and was graded B minus.

Last, the City College chapter of the American Society of Civil

civil engineering

are, I don't know, but there must be others. Lesson number two — the money isn't that great. Sure, the starting salaries are high, but raises are few and far between unless you go for advanced degrees, or unless you go into management, in which case most of your technical knowledge goes to waste.

I believe that the civil engineering department at City College is one of the best around. The teachers never frown on your stupidity when you see them after class to explain a

Engineers (A.S.C.E.), composed of many of your fellow civil engineering students, provides an excuse for get-togethers on Thursdays during the 12 to 2 recess, where we either play football, throw the ball, or listen to alumni who talk about their jobs as civil engineers in various aspects of the field.

The curriculum, I believe, is excellent. All courses are required, and they include every phase of civil engineering — fluids, structure, transportation,

(Continued on Page 5)

By MAX MECHANICAL

Mechanical Engineering covers a wide range of professional services, from theoretical work in research and development to industrial applications in design, production, and sales.

The scope of activity includes all aspects of the mechanics of equipment and processes used in the technical era. Mechanical engineers play a major role in our space programs, in the design of both conventional and nuclear power plants, in the automotive field, in heating and air conditioning, refrigeration and cryogenics, and in the fields of automation, fluid machinery, production, and processing machinery, consumer goods and appliances. They have responsi-

mechanical

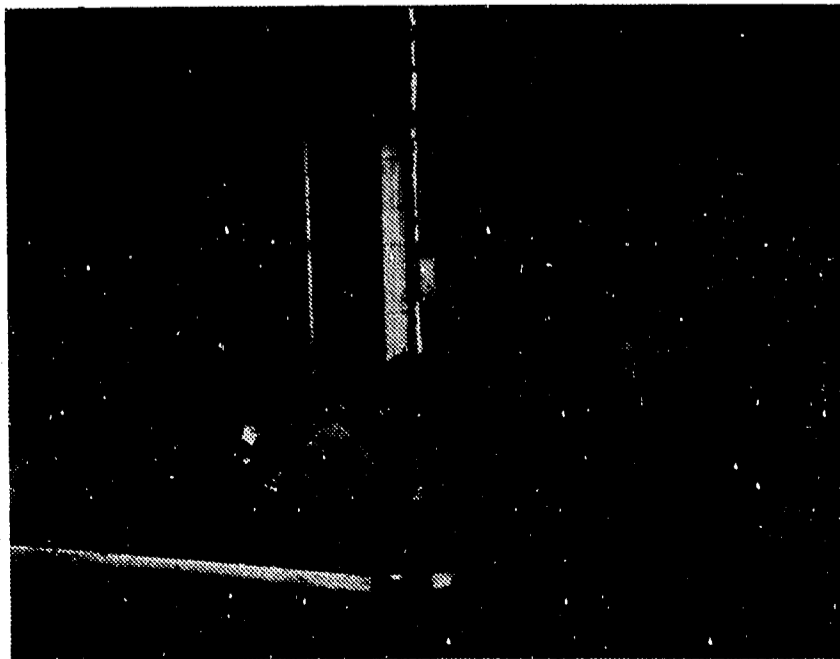
bility for research, design, development, testing, control, and manufactures in these many and diverse fields. Many mechanical engineering graduates assume positions of management, while others prefer a career along technical and professional lines.

The aeronautics industry has become one of the primary employers of mechanical engineers to solve problems in aerodynamics, structures, and missile systems.

City College Mechanical Engineering Laboratories include experiments in energy conversion, internal combustion engines, gas turbines, and steam engines. In the field of production there are laboratories in foundry process, metallurgy, heat treatment, motion and time studies, plant layout, and machine tools. In other areas there are experiments in mechanics, fluid flow, heat transfer and the nuclear reactor.

The Metallurgy and Materials Science laboratories of the Department are extensive in both teaching and research. Complete metallographic facilities are available, including a darkroom, Leitz metallograph and X-ray diffraction equipment.

The Nuclear Laboratory is shared by all the engineering and science departments. It houses a water-moderated subcritical reactor fueled with over 2½ tons of uranium and equipped with a neutron source. The laboratory contains counting equipment, gamma ray spectrometers, survey meters and dosimeters.



NOT A PERKING COFFEE URN for a student-faculty tea, rather this is one of the school's electron microscopes which will be masterfully demonstrated on E Day.

chemical engineering

By RICHARD REITER

"What kind of chemical engineer are you if you can't tell me why the Drano isn't unclogging the sink?" Hardly a week can go by for a City College chemical engineering student without his hearing a question like this from his mother, girlfriend, or non-technical pals. The truth of the matter is that, at City College, he is not trained to answer a question like the above, which seems to involve a simple practical application of chemical engineering. However, if you should ask him what the temperature will be if the pressure on one mole of an ideal gas at 0°K. at 1 atm. pressure is isochorically increased to 3 atm., he can give you the answer in a matter of seconds. (Of course, you won't have to remind him to neglect the work of the compressor.) The point of all this is that, at City, the emphasis in the chemical engineering curriculum is placed on teaching the underlying theory, with the assumption that once a student knows the theory he can apply it to any situation that may come up, while if he were taught various narrow practical applications, he would be at a loss when faced with an unfamiliar situation. Despite all its drawbacks, the former approach is definitely the better one. Today, industry is changing at such a rapid pace that an application a student learns as a freshman can become outmoded by the time he is a senior. However, there are many basic aspects to all practical applications which will never become outmoded and the chemical engineering curriculum can certainly use more emphasis on these. That the Department is aware of this need is evident from their increasing

both the credit and the class hours devoted to Unit Operation I. This is a fine start but there is still a lot more that can be done, even without any drastic curriculum changes. For example, in the second year of his pre-engineering program, the beginning Chem. E. is required to spend almost an entire semester studying Heisenberg's Uncertainty Principle, Schroedinger's Equation, the Tunnel Effect and similar quantum mechanical phenomena. The time spent on these studies would have much more value to the engineering student if it were spent on a course dealing with the inorganic chemical reactions important to the chemical process industries, as these are barely touched upon in general chemistry.

Another important aspect of engineering which is not dealt with in the curriculum, is the "sociological" aspect. I use the term "sociological" for lack of a better term to describe the effects on society of air pollution, sonic booms, congested airports, or in general, the problems technological advances pose for the community. The engineer has to be made aware that in solving one problem he may produce another. Fortunately there are a few professors who integrate these ideas into courses that are presently being taught. Coincidentally, or maybe not so coincidentally, these professors have had extensive experience in industry and are able to relate the subject matter being taught to things as they are in the real world. This is the most important aspect of all, for when a student graduates and goes to work in his field he will be confronted only with reality, the most difficult working substance known.

electrical engineering

By JERRY FROLICH

Of all the disciplines within Engineering, Electrical Engineering, by far encompasses the broadest spectrum of subdivisions. Among these are: Circuit Analysis, Control Systems, Electromagnetic theory, Transistor

and Tube Electronics, Switching Circuits, and Computer Science (Digital). Fortunately, for the student wishing to obtain his degree from CCNY, these subdivisions are at least touched upon in the curriculum. With the recent introduction of electives for all senior EEs, the student may choose subjects of an advanced nature for which he has been amply prepared.

In addition to the above topics, the preparation consists of a firm background in physics and math. With this background established, courses in Communications, Microwaves, Bionics, Electric Machinery, Analog Computers, Solid State Physics, Switching Logic, Nuclear Sciences, Illumination, Plasma Physics and Advanced Computer Science are available. Of course basic and advanced labs are given to correspond to the subject matter.

Once a degree is obtained, the choice of fields is challenging and rewarding. One can work in Bio-Electronics; either in hardware such as a computer tie-in

(Continued on Page 5)

bubble, bubble, toil and trouble: day e exhibits explained

civil

Surveying and Soil

The operation and use of basic surveying instruments, including the engineer's level, engineer's transit, steel tape, Philadelphia rod and plumb bob will be demonstrated.

The nature of quicksand will be explained and demonstrated. Another feature is the exhibition on permeability, which is the ease with which water can penetrate a substance.

Materials Testing and Fluid Mechanics

The basic strength of materials tests, especially tension, compression, and torsion will be performed here.

The phenomenon of the hydraulic jump will be demonstrated in the tilting flume. Another highlight of this demonstration is the performance of an air jet experiment.

electrical

Control Systems Laboratory

Three analog computers with different programs will be demonstrated. One will produce a display on an oscilloscope of the trajectory of a bouncing ping pong ball. Another will solve a typical problem involving a highly complex differential equation, the solution of which would require several man-hours of labor. The displacements of an automobile will also be computed and displayed using the third analog computer.

Instrument Servomechanisms

These systems can be used to measure, record or control such physical properties as pressure and temperature. The characteristics of servomechanisms and their industrial uses will be investigated in the exhibit.

A.C. Resolver and Generator

A chief component of a navigational analog computer, the A.C. resolver, will be used to perform coordinate area transformations and rotations.

The stability of a D.C. generator with and without feedback will be measured by this exhibit as an example of a fairly common type of voltage feedback system.

Communications Laboratory

A device capable of converting an audio signal into visual patterns on a screen. Technically referred to as a "color organ," this exhibit was specially produced by the Electrical Engineering Department for E Day.

In another part of the communications laboratory, three methods of electronic communication will be shown. All the component parts of the various stages involved in generation, transmission and reception of the input signals will be shown.

Fascinating Game of NIMS

One of the most interesting parts of this tour should be the audience participation games designed and constructed by electrical engineering students. An electronic version of the thought provoking game called NIMS will pit the logic of a player against a machine. Another relay system has been designed to aid in solving the problem of getting six people across a river two at a time, with various challenging complications.

R&D in Electrical Engineering

A special section of the laboratory has been set aside for short films illustrating the applications of electrical engineering in research and development.

A project displaying important properties of microwave signals propagating in wave guides will use some highly sophisticated and expensive equipment as part of an exhibit in this field of engineering.

Program of Events

Time	Events
10 - 2	Guided tours of the laboratories, demonstrations, and exhibits — starting in Steinman Hall.
10 - 2	Engineering films in color showing modern developments in various areas — room T123.
Noon	Speakers and drawing for prizes — room T123.
11 - 2	Refreshments will be served — Steinman Lobby.

Exhibits and Demonstrations

CIVIL ENGINEERING	
Surveying	Room T207
Soil Mechanics	Room T125
Materials Testing	Room T1
Fluid Mechanics	Room T09
MECHANICAL ENGINEERING	
Thermodynamics Laboratory	Room T04
Metallurgical Science Lab.	Room T33
Motion and Time Study	Room T31
N.S.F. Research Projects	Room T32
Vibrations and Mechanisms	Room T32
Lathe Work	Room T35
CHEMICAL ENGINEERING	
Unit Operations Laboratory	Room T301
Metallurgy Laboratory	Room T303
Polymers Laboratory	Room T303
Process Control	Room T323
ELECTRICAL ENGINEERING	
Control Systems Laboratory	Room T601
Communications Laboratory	Room T501

mechanical

Theories of Experimentation

Various pieces of equipment for the "Theories of Experimentation" laboratory are located in the basements of Steinman Hall. The apparatus to be demonstrated in this theoretical field of study will include stroboscopes, electronic and mechanical counters to measure the speed of rotating machines. Micrometers and precision roughness measuring devices will show some industrial uses of this experimental laboratory. For measuring temperatures, optical pyrometers and thermocouple bridges will be demonstrated. In another part of the basement CUNY's first water-cooled sub-critical nuclear reactor, fueled with plutonium, is operating.

Delicate As an Egg Shell

A solution to the problem of designing a device that will absorb enough energy to bring a freely falling platform to a smooth, safe stop is presented by a mechanical engineering student. It is analogous to the problem encountered by engineers in the final free-fall descent of the lunar excursion module. To show that the stop will be smooth from a 62 inch fall, an egg as well as an accelerometer is attached to the surface of the platform. The energy absorbing device is completely self-supporting and is designed to be destroyed upon impact. Weighing only 4 ounces, a prime consideration for space vehicles, it will withstand 500 degrees Fahrenheit for ten seconds

mechanical

and one-half hour of freezing without any structural defects.

A Study of Motion

A Geneva Mechanism is frequently used in industry to cause a circular dial a fraction of a revolution, to dwell for a short period of time, and rotate again. While the velocity and acceleration of the output dial is known from the mechanism's geometry, the tolerances in the size of the components cause a variation in these quantities. In addition, high speeds cause the mechanism to behave differently than at low speeds.

In this demonstration, the velocity and acceleration of a four station geneva mechanism is examined. A voltage regulating tachometer is attached to the output rotating dial which is then read on an oscilloscope. A differentiating circuit is placed between the tachometer and the scope to view the acceleration function.

Electron Microscope

One of the College's electron microscopes is used by engineering students to study the properties of materials and is located in the basement next to the materials and processes laboratories. This exhibit will demonstrate the microscope's capabilities of magnifying an image over two million times when used in conjunction with a photographic enlarger. The facilities make it possible to view a specimen undergoing a heat treatment. By observing the changes in diffraction patterns of the material, various physical properties can be analyzed.

Mechanical Problems

A number of linkage mechanisms and their usefulness will be shown in the Mechanics Laboratory. A complex spring problem will be thoroughly explored using analytical and computer techniques. A graphical solution will show the exact motion of the spring.

A shake table will demonstrate simple vibrations of first, second, and third order systems. Also a cantilever beam will be attached to the vibrating table and the motion will be stopped by stroboscopes to illustrate vibration theory.

chemical

Unit Operations and Materials

This experiment shows various flow meters such as the weir slot, orifice and rotameter; and their applications to physical problems. Water will be visibly flowing in the slot and weir meters. The metallurgy laboratory will have on display metallic structures of general importance. The metals have all been cold worked, annealed, quenched and tempered. In another part of these laboratories, the cold rolling of materials will be demonstrated.

Polymers Laboratory

In the polymer laboratory of the Chemical Engineering exhibit, the "Nylon Rope Trick" will be performed. In this demonstration two materials are mixed in a flask and nylon is pulled off the interface of the two liquids. Extrusion of polymers, where the material is melted and extruded through a die or drawn off rollers, will be explained. The tensile testing of polymer specimens on an Instron machine is shown. In other experiments the molding and curing of polymers under high pressure will be demonstrated.

Process Control

An analogue computer and an oscilloscope will be shown to demonstrate how a computer can be changed to produce outputs of chemical equipment. As part of demonstrations on process control, pressure gauges and their calibrations will be displayed on a board.

thanks to e day people

Faculty Chairman — Professor Brown (EE)
Chemical Engineering — Professor List
Edward Kichura
Civil Engineering — Professor Muss
Nicholes Giecio
Electrical Engineering — Professor Erown
Jim Cunningham
Mechanical Engineering — Professor Burns
Zev Spiro
Advisors: The Fiftieth Anniversary
Committee of the School of Engineering

activity keeps engineers out of trouble and class

What can I do with all my free time? the engineering students may be sitting up nights mulling this ponderous question in various levels of confusion and distress. Besides the traditional past-times such as house plans, fraternities, cards, mah jong, cotton picking and watching the garden grow, the serious engineering student can indulge his diligent vocational orientation in a wide variety of activities.

Tau Beta Pi

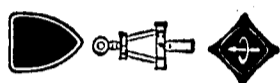
For the very serious, the goal-minded and the scholastically rewarded are the engineering honor societies. Heading the list is Tau Beta Pi, the national engineering honor society which is recognized (by those who have such a facility for noticing such things) as the leading engineering honor society in the United States. Founded in November, 1940 (the national's 72nd chapter), it was chartered as New York Eta. Entrance requirements, like the other honor societies are a challenge. Seniors in the top fifth and juniors in the top eighth of their classes who conform to the society's rigid standards of scholarship, character, leadership and service to the school are eligible.

The Eta Kappa Nu Association is the national electrical engineering honor society which has for its purpose the reward and stimulation of high scholarship and professional achievement. In response to a petition presented by a local honor group, the 38th chapter of Eta Kappa Nu, Beta Pi, was installed at the College in February, 1946. Outstanding seniors and juniors in electrical engineering of the day and evening sessions are eligible for membership, but election is based on unimpeachable character, and

undoubted ability, as evidenced by scholarship.

For high-minded mechanical engineers there is Pi Tau Sigma, the national mechanical engineering honor society. The City College Pi Beta chapter, the 27th, was installed November, 1942. Election is limited to the top quarter of the junior class and top third of the senior class, and is based on standards of character, service to the school, and promise of future success in the field of engineering.

This term the fraternity is characterized by membership growth and extension of involvement in matters pertaining to ME students. A study of course and teacher evaluation will soon be undertaken and the



best teacher of the term will be presented at the endterm dinner.

Civil engineers in the top third of their senior class or the top sixth of their junior class who manifest the qualities of admirable character, practicality and sociability might decide the Chi Epsilon fraternity is worthwhile. Among its many constructive activities are tutoring, taking care of and assisting people with the calcula-

Eta Kappa Nu

tors in Steinman Hall and pledge assignments to help professors with research projects.

Omega Chi Epsilon, the national chemical honor society, is looking for students who have completed a substantial number of chemical engineering credits and have demonstrated a high level of scholastic achievement and excellent character. They

have set up a tutoring program and are planning a counseling service to provide freshmen and sophomores with essential information on required engineering courses.

Pi Tau Sigma

Those who crave a more unpredictable brand of excitement could spend their Tuesday evenings at Tech Council meetings, "the student government of the engineers." Most of the engineering organizations send a representative to this body whose baby is the annual Engineering and Architecture Day, fondly known as E&A Day. Projects in formative and optimistic stages include a dance and a revamped orientation weekend.

For the architects, lest we forget them in the crush of future engineers, there is the City College chapter of the national

Tech Council

American Institute of Architects open to all architects. The liaison between faculty, student and administration, the group also creates an opportunity for freshmen to meet and know upperclassmen. Lectures, including exchange lectures and programs with other AIA chapters are a staple feature, as are the student-faculty picnics and Christmas parties. Other useful services include job placement and scholarships. Purely social functions such as skating, skiing, theatre trips and also sports are scheduled. There are present plans for a community action

program utilizing their talents in a consultative capacity.

The American Institute of Chemical Engineers, open to all, offers its members use of the library of the national American Institute of Chemical Engineers and a subscription to **Chemical Engineering Progress**. Their lecture series features speakers from companies addressing themselves to such topics as evaluating job offers, what a chemical engineer does in management, the function of the process and production engineers, the responsibilities of chemical engineers in industry, and, of course, lectures on new developments in the field. This group also has a smoker each



term to which the faculty are invited.

The American Society of Civil Engineers presents speakers every other week from government and private industry, preferably City College graduates who lecture on new developments in the field. The Society has had great success with its summer job placement program. Regular activities are a student-faculty tea, a smoker, induction dinner and a faculty-student tug-of-war. Some tutoring is conducted within the organization.

Chi Epsilon

If you are either a cadet or an engineering student you are eligible to join the Society of American Military Engineers. A unique feature of this organization is the trips of military interest to all parts of the country sponsored by the U.S. Army. They visit dams, rivers, renewal

and conservation projects, the main focus being construction involved with inland waterways. Also they have Army officers discussing projects and showing films, as well as civilian speakers from such areas as the police department and Bell Telephone. More of a fraternity than anything else, they have social functions, a fraternity house and pledging.

Omega Chi Ep

The City College Amateur Radio Society has been a tradition on the campus for over 52 years. First licensed as 2XNA and later as W2HJ, the A.R.S. has provided an operational shortwave radio station for the students and faculty who have their amateur radio operators license. The A.R.S. provides a training program for a Federal Communications Commission amateur radio license. The A.R.S. also provides a means for all students, and Electrical Engineering students in particular, to learn the practical aspects of electronic technology, and radio communications. The station itself consists of three transmitters, two receivers, and a variety of antennas, all covering a wide range of frequencies. The A.R.S. hopes to expand its present receiver and transmitter complement and its antenna systems in the near future.

For the more creative engineer, there is **Vector**, that slick, glossy publication with that professional quality to it. Published quarterly, it always places high in the annual engineering school magazine competition. Its primary purpose is to serve as an outlet for the publication of work done by students at the College. People of any and all backgrounds are sought to write, edit, design, create and stuff envelopes.

Civil Engineer Describes Struggle

(Continued from Page 3)

water resources, sanitary, economics, law, geology, steel and concrete design, soils and foundations, and last but not least, surveying. If you are entering as a civil engineer, but you are not sure of what area you want to specialize in, the curriculum is ideal, in that it gives you a taste of everything. If you have some idea of what field you want, or if you want to avoid a particular course, you can substitute up to 10 credits of these courses for other more interesting ones, or for graduate courses. One new optional course that is being offered is CE 298, "Topics in Civil Engineering," which really is a system design course that relies upon the computer for much of its work. Incidentally, many civil engineering courses now require computer work to eliminate some of the messy computations, and the required "Digital Computer Fundamentals" course is a must.

Most of the civil engineering courses have labs or "problem hours" which run from 2 to 5 in the afternoon, and they are run

by sadistic teachers who keep you in till 4:50 on the dot, especially on Fridays, so be prepared to spend your afternoons in school. Many of the labs are interesting, but some of them have a tendency to become the routine, cookbook type that are performed without understanding — especially if you have an old lab report handy.

If I've given you the impression that civil engineering is a ball, I don't mean to. We work very hard in our courses, and the few who loaf, or cut classes, or don't do the homework may find themselves in grave trouble. Our reading assignments are long, our problems impossible, and our lab reports voluminous, but despite the work load we carry, many of us appreciate the fine education we are getting. The teachers appreciate this, and they generally never grade below C, but they may make an exception to the rule, especially in your case.

If after all this, you still think that civil engineering is for you, good for you. I wish you the best of luck in your next 4½ to 5 years at City.

Poetry Contest

The sixth annual Kansas City (Mo.) Poetry Contests, offering a total of \$1,900 in prizes and publication of a book-length manuscript, have been announced by Hallmark Cards.

One of four sponsors, Hallmark will again offer six \$100 cash awards to single poems by full time college and university students in the United States. More than 2,000 students submitted entries in the 1968 competition.

The deadline for submission of entries is February 1, 1969, and winners will be announced on April 24 at the closing reading of the 1968-69 American Poets Series of the Kansas City Jewish Community Center. The judges have not yet been announced but in the past have included Conrad Aiken, Louis Untermeyer, Robert Penn Warren, Philip Booth and Edwin Honig.

All entries are judged anonymously. The author's name is enclosed in a sealed envelope attached to his entry. Complete contest rules may be obtained by sending a stamped, self-addressed envelope to: Kansas City Poetry Contests, 8201 Holmes Road, Kansas City, Mo. 64131.

Wide Field Open to Electrical Engineers

(Continued from Page 3)

for all the patients in the hospital, or Lasar Surgical techniques. The digital field is wide open with a demand by almost every form of industry for computers. Electromagnetic field theory lends itself either to Microwaves or Optics. Microwaves are used in Radar and related fields. One can go into systems or components. Optics have use in such fields as Lasars, Display Systems, and Navigation, such as is used in the Apollo Mission.

There is also an ever-increasing demand for work in Control Systems. A professor at City, whose field of specialization is Control Systems, has just been awarded a grant to do research in traffic control. In addition, this field has application for automatic pilots for aircraft and sea vessels.

In industry, when the term automation is used, you are sure to find an EE working on a control system. Possibly the largest field is communications, since it encompasses so much. The need for more modern, compact communication and telemetry devices is made apparent by our

space program.

Most universities require a myriad of entrance examinations, interviews, recommendations, and money. On the other hand, City requires only a show of potential, which is demonstrated through grade average and SATs. Yet the School of Engineering, undergraduate division, is rated as one of the best in the nation.

It is apparent that a degree from City College in Electrical Engineering is an excellent preparation for any of the fields in EE.

Army Meets

In conjunction with the Fiftieth Anniversary of Engineering at City College, the society of Military Engineers is sponsoring a National Convention of S A M E Student Posts. It will be held at the Penn Garden Hotel from November 21 through 23, its theme being, "The Role of the Engineer in the Modern World." Representatives from over forty major engineering schools around the country are expected to attend.

TECH NEWS

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FACULTY ADVISOR / harry soodak

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A Pat on the Back

An oasis in the midst of revolution, protests and epidemic-proportion discontent with most aspects of the College, is the School of Engineering, rated as one of the top twenty engineering schools in the country. The best indicator of a school's merit is the demand of employers for its graduates. CCNY engineers are earnestly sought by industry and government alike. CCNY is one of the few schools subject to massive recruitment campaigns by large and small, private and public concerns.

Attributing reasons for the Engineering School's high reputation is an elusive task. The curriculum, which is fairly standard among schools, emphasizes theory over often rapidly obsolescent individual practical applications. But a large chunk of the credit belongs to the students, who in most cases determine their own level of depth. The curriculum is pitched to a high level, predicated on the high standards of admissions and high quality of work expected from the students.

One way of expressing this well-deserved recognition is to come to E-Day on Saturday and see the manifestations of the School's achievements.

Gettin' Broadened

Technology's a real groovy thing. Just don't ask us for any particulars. We're not an engineer or anything like that.

But technology, whatever it actually is, is rapidly becoming too important to ignore, ostrich fashion. There is a need for the average person to be informed concerning technological progress occurring around him, a need that is increasing daily.

The well-rounded liberal arts major takes survey courses in music, art, basic social sciences, cultures of other countries. Why not an introduction to modern technology as well? Some courses are presently offered in the College: History 28 (Science, Technology and Human Culture) and in the School of Engineering there is E90 (the Role of Computers in Modern Society) and a graduate level course, E5601 (History and Philosophy of Science and Engineering).

Raise your head from the sand.

Proposal Proposal

We would like to comment on the new Campus Government Proposals but with all the new ramifications, complications, and revisions we can't make heads or tails out of it. Student Government, do your think!

CLASSIFIED

WANTED — Guitar — inexpensive — Nylon strings, narrow neck. TR 2-6715.

Musician needed — To write score of underground musical - Comedy - Socko movie. Richie 229-4262 (after 9).

Looking to do typing. Will treat your work like my own — 40c a page; 10c a page for carbon copy. Laura OL 3-0564 (after 6).

WANTED — Snow tires — 5.20 x 13 for sports cars 928-7959 (evenings).

FREE — Grapho-Analytical (Hand-writing Analysis) Charts done. Carol 992-7813.

Bonnie — You owe my mother 79c plus 4c tax. Ro.

Dieses 'ist winklich dumm. Warum schreiben Sie an die Wand?

I know Mark Norman's real name!

LOST — One pair of black leather gloves in Tech News off. Bonnie OL 4-2414.

Stud services still available. Fried leaves N.Y.C. November 23.

Ardiss craves Marty's body.

A. Hugh's chest is as hairy as a Ginsberg poem.

S.G. president himself in TECH NEWS' office, daily 12 noon.

Happy Birthday Nina: From the Prudey Pybmies, M.E., P.C., E.S.

Neither a borrower nor a lender be or you'll catch hell from H.F.C. . . . R

isotropic means having the same properties from all sides, like a balloon.

Thanks to the whole staff and apologies to Judy. Sande.

I would like you even if you did wear patent leather shoes in the winter.

brownies to you all.

Notices

EDUCATION SEMINAR CANCELLED

The School of Education has cancelled its Seminar Series for Student Teachers scheduled for Nov. 18 and Dec. 17.

CHINESE STUDENTS ASSOCIATION

The Chinese Students Association will discuss future activities and elect S.G. representatives at their meeting Nov. 21.

DANSFORTH FOUNDATION

Dansforth Foundation is holding a student-faculty tea on Tuesday, Nov. 26 at 11:30 until 1:30 in the faculty library in Steinman Hall. Mechanical Engineering students welcome.

JOB CONFERENCE

ASME-SAE is holding a Joint Job Conference on Thurs. Nov. 21 in S135 at 12:00. Representatives from industry from all fields of specialization: R & D, Cost evaluation, preventative maintenance, and production will attend.

NOT YET STAFF MEMBERS

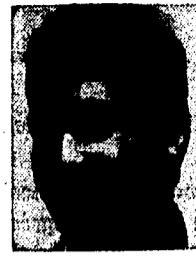
Will the following potential staff members please contact us regarding membership on TN: Francee Covington, Robin Fittlesohn, Vivian Mayer, and Monic Stoll. Staff meeting, Thursday, Nov. 21, 1968 at 12:00 o'clock, 337F.

PHYSICS SOCIETY

The Physics Society will hear Prof. Shelupsky on "Group Representations in Physics" in S105 at 12:30 on Thursday, Nov. 21.

JEWISH STUDENT UNION

The Jewish Student Union will hear a guest speaker who trained soldiers in Africa on Thursday at 12:30 in F325.



Grosserie

BY JEFF GROSSMAN

NOTES FROM A CIRRHOSSED LIVER DEP'T.:

Does New York City really have separation of church and state? Not if Albert Shanker and John Lindsay have anything to say about it. They've already gotten the City to have a Lenten holiday — we gave up school for ten weeks.

Remember back to last school year? The teachers went out on strike then, too. That one lasted for three weeks. I guess they believe in that old proverb, "One good term deserves another."

The City can always be counted on to bring in an "expert" mediator to solve the crisis. Such luminaries as Chubby Checker, Durwood Kirby, Jack Lescoulie, and El Exigente have come and gone at the bargaining table. Now both sides, realizing that they cannot win on personality alone, have gone to the intellectual level. However, as of this time, neither Sonny Liston nor Anthony Imperiale has reported any progress.

I don't know what's worse, watching TV and getting cancer of the eyeball, or going to the moves and running the risk of having your cerebrum rot of disuse.

"The Filthy Five," playing on a double bill with "The Black High Heel Leather Spike Whip," is going into its fourteenth smash week. All syphilitics must be accompanied by an adult.

Meanwhile, "Julia" is brought to you in living grey. And "Gomer Pyle, USMC," is going off the air. His sergeant has finally been saccharined to death.

PPP (PURELY PERSONAL PARANOIA) DEP'T.:

Richard (Law and Order) Nixon and Spiro (Crew-cut) Agnew win the big election. Within two days the National and American Leagues announce that "long sideburns" and other "growths of pub(lic) hair" will no longer be tolerated.

I wanted to get a passport last week. Not only wasn't my quasi-official Board of Health photostat birth certificate acceptable, but my immunization record from July, 1965 was "not within our three-year immunization period." Maybe they're afraid of a brain drain??

I can't believe that the Armed Forces are defending our country. I keep seeing signs that say, "The Marine Corps builds men — Join us," or, "The new Action Army — Join us." Hell, we can't be protected by outfits that are falling apart!!

I stopped going for draft counselling. I didn't mind traveling all the way down to Greenwich Village to speak to that lawyer, but I'll be damned if I'll go to Fort Dix to speak to him.

It has become the vogue in the last eight or ten months to refer to Upper Class Advisors (UCA's) as "uckahs." Why does my group always add the prefix "Freshman" to the title, and change the abbreviation accordingly??

When I registered this September, I wanted to enroll in Psych 55, which is commonly referred to as Abnormal Psych. Everyone warned me to be careful, because it is not unusual for the students in the course to start finding the symptoms of the different mental disorders in themselves. Of course, realizing that I had nothing to worry about in that area, I went ahead and took it. I also signed up for Soc 20 (Criminology). Now I'm really glad that I didn't listen to all that lousy advice about the Psych course. 'Cause at least in that class I know why I'm so paranoid about cops.



Tech Life

By ZVI LOWENTHAL



Can "radicalism" provide any new compliant and realistic alternatives to our present "society"? Must radicals and revolutionaries show their beliefs and ideals only through confrontation, broken heads, disorderly conduct and other unorthodox behavior?

City College has just about had enough anarchy, unruliness, damage and advocacy of revolt from organizations such as Students for a Democratic Society (SDS) and The City College Commune. The purpose of SDS and the Commune seems to have been to dismantle and reconstruct the institution their way, not the way the majority of students would like to see it.

Time has come for confrontational radicalism to end. Holding of college halls no longer constitutes or helps to force people to re-examine their beliefs, their minds, and their world. Problems must be studied, re-examined and discussed among teachers, administrators and students before going through with "academic reforms."

It is questionable whether lynch mob tactics used by the radicals on campus will lead to any solutions. On Thursday, November 7, after a meeting at Aronow, angry students marched to the Administration Building to "get Gallagher" (to answer questions?) When Dow came, student activists secretly gathered downstairs and forcibly opened a door in order to get at Dow, only to find that they were too late. What would have happened if Dow were still there? What would have been the consequences? After all, the recruiters believe what they are doing is morally right. Breaking doors and performing violence will not make them change their minds.

Another question arises. Was SDS using Bill Brakefield to suit their own purposes of trying to keep this campus and other campuses constantly under agitation? Here was a young man who thinks he is obeying his conscience while being manipulated by others. In a "closed meeting" the radicals decided to take him to Columbia without even consulting him on the issue. This had not happened because of the great risk of getting "busted."

Did the student body really support Brakefield? The fact that 164 people were arrested and only 77 were students at the College is an indication that Brakefield did not have the immense campus support originally thought.

The President's job is not to be popular but to stop vandalism, destruction, and loss of property. Many students do not agree as to the limit one must wait before justifiable action should be taken. What is the limit? \$2,000, \$4,000, \$10,000?

The recently voted down one dollar raise in the bursar's fee may inevitably lead to some type of hike to substantiate the \$1,950 worth of destruction and damage which occurred in the Finley Center during the "pre-election vigil." How much tolerance is needed before the suppression of vandalism is justified?

In a recent press conference, the President pointed out that "physical destructive activity would lead to two alternatives — either the college would be forced to turn to other measures, such as the police, or the college is destroyed. What must be present is a unified moral judgment by the entire college community. The ideal was prostituted by members who performed vandalism and those who were not in accordance with the pre-election vigil."

One arrested student told me he doesn't believe in democratic procedures. He claimed "Make them (society) bleed, then they'll decide. I'm a revolutionary." Is that what the world can expect? What makes his opinions and beliefs more morally correct than someone else's? Force and violence were factors that put Hitler in power.

It is interesting to see that many "moderates" have taken an interest in campus politics, on either side of the confrontation. It is also pleasing to see Paul Bermanzohn and several other Student Government officers involved in what should have been their interest from the beginning. After all, isn't this the reason we elected a student representative body? But in these recent issues, does Student Government represent the interests of the students?

A new student organization called "Student Caucus for Change" is having its first meeting this week. This group rejects the idea of strategy through confrontation. They would like to see change through study and careful consideration before taking any action.

LETTERS to the EDITOR

More Valuable Activities for House Plan than Election Eve Rally

Editor, Tech News:

Being active in the struggle against racism and the war on and off campus, I seldom have a chance to check out what's happening in social organizations like House Plan and I.F.C. The other night I happened to stumble upon hundreds of House Planners absorbed in a pre-election rally where it was explained to me that each House Plan was nominating a presidential candidate from their respective houses.

Seeing hundreds of my peers laughing and enjoying themselves I figured that I also could bring a little joy to my heart so I stayed. But before long I became upset and left.

A once a year Christmas party is not even a step toward helping change the living conditions of a child who constantly has an empty stomach, who lives in an apartment with rats nearly his size, who attends class in a school system that teaches him that he has no culture and that the history of his people is worth nothing, whose father has not been able to find a job and those that he occasionally finds don't even pay enough for a couple to live on let alone a family, and then is expected to live up to "middle class" standards.

I think that we as students in

a city financed university that is paid for by all the people in the city, including those whose feet may never walk on a campus, have an obligation to those outside. We must work for total university expansion. We must give those youth outside the university the same protection from the draft that young men on the campus enjoy. We must make sure that the teachers that our university produces are fit to teach in our city schools without distorting the history and culture of non-anglo-saxons. In a school that pays its cafeteria workers an average of \$64 a week (before taxes), we must fight for the right of all workers, be they with or without a college or even high school diploma, to make enough to live a human existence on.

I think that House Plan, along with all students on campus, must "re-plan their house" without delay. We cannot let the people of our country crumble while we sit and laugh at those who aren't "Twiggies."

**CCNY STUDENTS UNITE
YOU HAVE NOTHING TO
LOSE BUT YOUR "APATHY!"
YOU HAVE THE WORLD TO
GAIN!**

**Naomi Chesman
Chairwoman — CCNY
Dubois Club**

design contests . . .

(Continued from Page 1)

lounge, located in the Curry Garage on Broadway. The garage will be the temporary home of the School of Architecture and Environmental Design for five years. Entrants can work around a budget of \$500, supplied by the School.

A third competition is for a means of immortalizing President Buell Gallagher and Dean of Campus Planning Eugene Avallone. Each of these illustrious campus figures will be forever emblazoned (somehow) on a square column, two of which are the main visual and structural elements in the Curry Garage.

Each of these three competitions carries a \$25 savings bond as a prize for the entry finally used. Details and specifications for these competitions are available in the Architecture Library in Goethals Hall and in the Department of Art office in Eisner Hall.

Future Competitions

Two more competitions are scheduled to open within two months. These will be for the design of a cover for the School of Architecture and Environmental Design Bulletin, and for exterior signing and graphics at Curry Garage.

The new cover will be the first step in a total redesign of the School's Bulletin. A committee composed of the chairman, students, and faculty will reorganize, streamline, and modernize the contents of their Bulletin.

They will also include photographs, "the first use of photographs in a City College Bulletin since the year 1" according to Robert Hong, president of the student American Institute of Architects chapter. The SCAIA

is running the competitions.

The School hopes that the Liberal Arts and Science, the Engineering, and the Education schools will follow suit to bring their Bulletins up to the architect's standards.

(In a related development, the City University of New York has organized a committee to study the bulletins being issued by all CUNY campuses. The committee will issue a style book which will set minimum content and organizational standards and will attempt to increase the quality of the graphics of all the Bulletins. One organizer of the committee is Henry Paley, head of Public Relations for the City University, who feels that students, faculty, and administrators alike are unable to cull any worthwhile information from some of the college bulletins. Paley says that City College's are amongst the poorest in the country.)

Regards To Broadway

The final competition the School of Architecture will run is for a graphical solution to signing the front of the Curry Garage, the side facing the Broadway subway. Again, no limitations will be imposed by the School regarding method or style. Somehow, the fact that it is the School of Architecture and Environmental Design will have to be conveyed, however and City Building Codes will have to be adhered to.

Specifications and rules regarding the Bulletin and sign competitions will be released at a later date.

The rules and specifications available for the first three competitions contain due dates and submission procedure.

Tears from Onions

Editor, Tech News:

It breaks my heart that my fellow students were busted last week. Where have we students gone wrong? After all, we as students should be rightfully immune from any and all prosecution no matter what we do. Anyway, what's wrong with harboring a deserter, tearing up buildings and furniture and painting Lewisohn Stadium "RED."

We are grown-up mature realistic people on a crusade for truth and justice for all. Shame on you, President Gallagher, don't you believe in the right to dissent? Down with R.O.T.C., down with Dow, down with the pigs, down with . . . with . . . students?

Lawrence Kobilinsky, 1803

Now Is the Time

Editor, Tech News:

On Friday, November 8, City College students and faculty witnessed something completely different from anything seen on this campus for some time. For the first time in many years, students that had never thought themselves capable of becoming involved in the governing of CCNY found themselves speaking out for their rights. The rally in front of General Alexander Webb's statue (in front of Shepard) although organized on short notice, was rated by most of its leaders as having been 100% successful. This rating stuck even though the opposition tried to break up the group by shouting, (partially successful) trying to run away with our megaphone (highly unsuccessful), and coercion (for which they were not strong enough.)

Due to the fact that the literature for the rally was handed out only hours before the scheduled event, some explanation of its aims is necessary. They are only personal opinions, not necessarily reflecting those of the organizers.

The rally was not organized for the purpose of advocating that SDS be thrown off campus. It was not a pro-ROTC rally, nor was it an anti-student movement rally (it being part of the student movement).

It was a rally made up of students from CCNY showing their support of the administrative action taken in regard to the illegal seizure of the Finley Grand Ballroom by a handful of radicals. The students were there because they believe that the laws forbidding actions such as those seen in the Finley Student Center and Steinman Hall exist for the individual's health and welfare, and as such should not be willfully broken. It took no position on the war, ROTC, or national politics. It was all-in-all a small delegation of students who were fed up with the unrepresentative student government and the influential and coercive radicals.

The facade is over for them. It's our turn now to bring some decent student participation and representation in the governing of the student body. Our goal will become attainable once the student body gives us its support. It is not too late to wake up!

**Biagio Mignone,
President, Students for an
Open University**

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