



Course Is Altered; Causes Altercation

Student opinion has succeeded in both altering and un-altering the method of instruction for Architecture 253, a course dealing with professional practices of architects — contracts, specifications, labor union relations and other related topics.

This course, taught by Prof. Gilbert Bischoff (Chairman, School of Architecture), conventionally consists of assigned readings, distribution of mimeographed sheets summarizing the readings, and Bischoff's in-class reading of the sheets.

This practice was scored in the November 14th issue of **footings**, the newspaper of the School of Architecture. **footings** maintained that the in-class reading of the mimeographed material was wasteful, and should be replaced by a class discussion of the nuances of the distributed sheets.

Bischoff, sensitive to **footings**, altered the course procedure on November 15th: issuance of the mimeo'd sheets ceased; the students were required to do the required readings — something unnecessary with the summary sheets — and a daily in-class oral examination was conducted, to determine who had been lax in doing the readings.

Students in the class reacted violently to this increase of work — although most agreed that the course had previously been boring, they objected to any further energy exertions. A series of angry letters were dispatched to **footings**, most stating that the staff of **footings** should clearly indicate that the opinions expressed were those of the staff, rather than those of

the School of Architecture. One letter quoted a pop song — "If you let the pigs decide, they will put you in the sty" — while another expressed a strong desire to incinerate each subsequent **footings** issue which continued to proclaim itself "The Newspaper of the School of Architecture."

After perceiving the prevailing sentiment of his class, Bischoff, apparently aware that students who had previously taken his course were prepared to duplicate their mimeographed sheets, quickly shifted back to his former method of instruction. After a three day absence, the mimeo'd matter reappeared.

Students responsible for the **footings** article were amazed at Bischoff's speedy response to their criticisms. They were quick to add that the actual course revision did not follow their proposed change and that it did not follow from a consensual desire of the Arch. 253 class. (From **footings**: "If the students think that the Professional Practice Course should be primarily a reading course with general discussion during class time, instead of a monologue by the professor, then they should propose an alternative to . . . the spoonfeeding of information. . .")

Bill Cavellini (Arch '68), author of the piece, maintains that Bischoff's changes were designed to produce a course less desirable than previously. This could possibly have been done to indicate that students are incompetent in their criticisms of teaching methods and suggestions for replacements, Cavellini feels.

SELECTIVE SERVICE SYSTEM
ANTI-DRAFT CERTIFICATE

This is to Certify that in Opposition to the Selective Service Law,

I, _____
(First Name) (Middle Name) (Last Name)

of _____
(Address)

_____ (City) _____ (Zip) _____ (Phone)

hereby duly Register said Opposition on this _____ day of _____, 19____.

(Registrant's Signature)

U.S. Code, Chapter 19—CONSPIRACY Sec. 371—Conspiracy to commit offense or to defraud the United States. If two or more persons conspire either to commit any offense against the United States or to defraud the United States, or any agency thereof in any manner or for any purpose and one or more such persons do any act to effect the object of the conspiracy, each shall be fined not more than \$10,000 or imprisoned not more than five years.

These Anti-Draft Certificates have been distributed by The Resistance. The obverse, headed "To The Authorities of the Selective Service System," says that the holder of the card has encouraged the returning of draft cards. Citing the judgment of Nuremberg, it says that an individual has a responsibility to disobey "illegal and immoral" government orders.

Draft Protest Wednesday

Due to circumstances beyond its control, the Whitehall Street Induction Center will be closed Wednesday, December 6th, Thursday, December 7th, and Friday, December 8th.

In an attempt to directly confront the machinery of war, an attempt to block the Whitehall Street Induction Center will be made on December 5th. The demonstrators will assemble in nearby Battery Park at five-thirty A.M., and are expected to divide into three groups, each to approach the Center by a different route.

"The war is illegal. The draft is illegal. So it doesn't matter that what we're going to do is illegal," said Rob Zanger, as he talked with fellow members of **Resistance** about ways to avoid "the cops beating up on you during the 'week of protest.'"

Two of the groups are expected to follow Police Department approved routes: via Bowling Green and Peter Minuit's Plaza — the north-south

approaches. The remaining protestors are expected to attempt to reach the Center by way of Broad Street, a route which is expected to result in disruption of automotive traffic.

The main purpose of this act of civil disobedience is to close the Center, rather than to awaken a public conscience through a multitude of arrests. From this aim, each participant in the demonstration has been urged not to provoke the police: a confrontation with the draft and the war is desired, not one with "New York's finest."

"Hand Loose. Be Beautiful. Hang Cool." urges a flyer distributed at the College by the **Resistance**. "Using mobile tactics, the people in Oakland closed down the Induction Center and surrounding area for over three hours. Then the National Guard was called. So the people split. They held a victory march back to Berkeley; the Guard had nothing to do. Good guerilla tactics! Take a stand only when superiority in numbers and tactical position are yours. When the cops get their

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Story Stirs Group; Libel Suit Weighed



Jonathan Irons, president of Kubanbanya, the Afro-American organization of Hunter College in The Bronx.

By PAUL B. SIMMS

Kubanbanya, the Afro-American society of Hunter College, in The Bronx, is considering filing a libel and slander suit against the College and specifically against the **Meridian**, the newspaper of Hunter College in The Bronx. Jonathan Irons, president of the society, called an article, which appeared in **Meridian** on Friday, November 3rd, totally misleading and racist. He was specifically referring to the comparison of Kuban-

banya with the Ku Klux Klan and to a misquote that was attributed to him. Irons, in explaining the position of Kubanbanya, stated "Because Kubanbanya seeks to portray a sense of worth and dignity of black people, it has come under vicious attack by racists and black traitors who hate to see black people strive to develop a positive self image."

The article, "Civil Rights Black Rites," that appeared in

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Vector Eyes Growth of Ideas

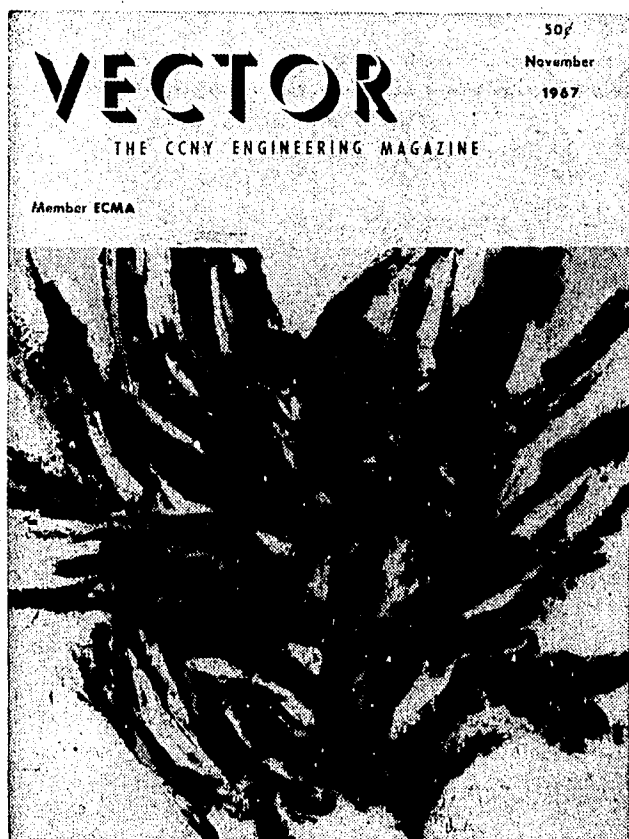
By OTTO HAMMER

Behind the colorful cover that portrays an artist's conception of the growth of ideas, the current issue of **Vector** expands on this theme by revealing the growth of a relatively new field in engineering.

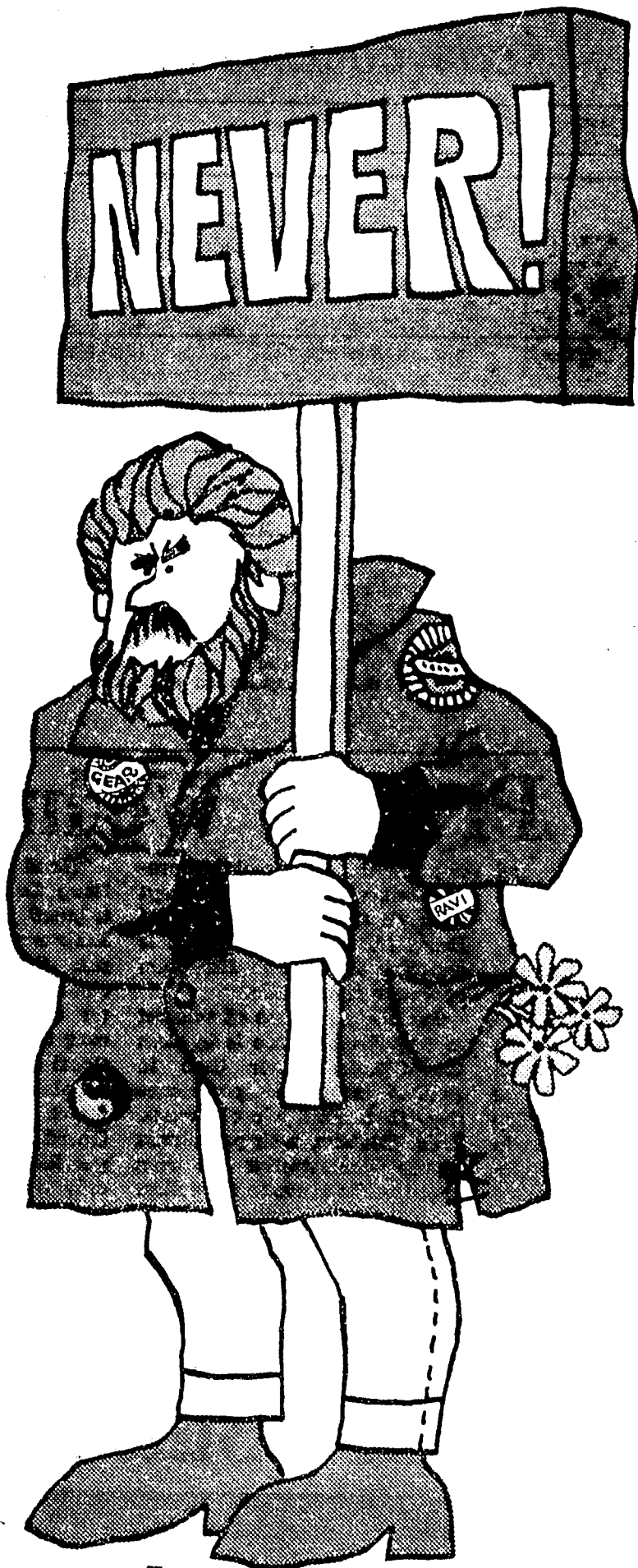
This new field is fluidics, a term derived from "fluid logic" which is the study of the control of fluid flows by means of other fluids. The first of three articles on fluidics is an introductory view written by a professional engineer. This survey of the field explains the market potential of fluid logic devices, and the current problems that prevent their full development and use. The impression left by the author is that fluidics will revolutionize the field of mechanical engineering in the same way that the transistor revolutionized the field of electrical engineering. This prophecy in **Vector's** theme of the growth of ideas may be realized with an entirely new technology of mechanical control devices with an infinitesimal operating time that have no moving parts.

The second of the three articles on fluidics is by Alvin Zagofsky, who also has the difficult task of being the president of the Technology Council. His article entitled "Turbulence Amplifier Logic" is a lucid study of one aspect of fluidics that should be easily understood by

(Continued on Page 7)



The cover of VECTOR '67.



I won't go into business when I graduate because:

- ☐ a. I'd lose my individuality.
- ☐ b. It's graduate school for me.
- ☐ c. My mother wants me to be a doctor.

Can't argue with c), but before you check a) or b)—pencils up! There have been some changes. Drastic changes in the business scene. But changes in the *vox populi* attitude regarding business... especially on campus... just haven't kept pace.

Take the belabored point that business turns you into a jellyfish. The men who run most of the nation's successful firms didn't arrive by nepotism, by trusting an Ouija board, or by agreeing with their bosses. Along the way, a well-modulated "No" was said. And backed up with the savvy and guts today's business demands.

In short, individuality is highly prized in much of the business world—the successful much. Even when the business is big. Like Western Electric, the manufacturing and supply unit of the Bell System.

We provide communications equipment for

our Bell System teammates, the Bell telephone companies. This takes a lot of thought, decisions, strong stands for our convictions, (and sometimes some mistakes... we're human, every 160,000 of us).

Individuality pays off. Not only in raises, but in personal reward as well. Like an engineer who knew deep down that there was a better way to make a certain wire connector—and did. Or a WE gal who streamlined time-consuming office procedures, and saved us some \$63,000 a year.

Rewards and accolades. For saying "No." For thinking creatively and individually. For doing.

Not every hour is Fun Hour, but if you've got imagination and individuality—you've got it made. With a business like Western Electric. We'll even help you answer b) with our Tuition Refund program. Come on in and go for President!



Western Electric
MANUFACTURING & SUPPLY UNIT OF THE BELL SYSTEM

Albee's Play Good



Robert Moore and Barbara Bel Geddes in a scene from "Everything in the Garden," new play by Edward Albee.

By MARK KOZMINSKY and SUE MATSON

Mr. Edward Albee, how does your garden grow? With prostitution and murder, comedy and tragedy all in a row. "Everything in the Garden" grows quite sardonically.

In adapting Giles Cooper's play "Everything in the Garden" to the Broadway stage, Mr. Albee has given the theater a searching look at suburban social climbing. The play opens on a couple bickering about financial problems that have arisen since they have moved to their new and well-to-do neighborhood. The couple, played by Barry Nelson, a \$10,000 a year research chemist named Richard living in a \$40,000 house, and Barbara Bel Geddes, his wife Jenny, seem to spend most of their time nurturing their garden. After an argument in which Jenny offers to take a part-time job so they can afford a greenhouse, Richard firmly states that he doesn't want her working at all. No sooner does Richard leave the house when a Mrs. Toothe, played by Beatrice Straight, parades in and offers Jenny "daytime employment" three afternoons a week entertaining clients. After Jenny realizes the intent of the employment, she ousts Mrs. Toothe. When she leaves, Jenny starts thinking about the salary

of \$200 an afternoon that was offered and reconsiders her hasty decision. From this point the play swings to six months later when Richard discovers his wife's new found career.

Barry Nelson gives a convincing performance as the middle income husband trying to fulfill his wife's expensive attempts to keep up with neighbors. Miss Bel Geddes gives a satisfactory performance as his hapless but persistent wife. Richard Thomas turns in a splendid representation of their perceptive, fifteen year old, shrill voiced son who comes home from prep school in time for the action.

The most noteworthy performance was given by Robert Moore, a Bob Hope look-alike, who played the affectionate and flippant millionaire next door. He literally captures the attention of the audience every time he walks on stage.

"Everything in the Garden" is a funny and biting play written in Albee's inevitably entertaining style. Mr. Albee takes what could be a touchy topic of immorality in the social classes and presents it to his audience with clarity and taste. "Everything in the Garden" offers the theatergoer a truly entertaining evening.

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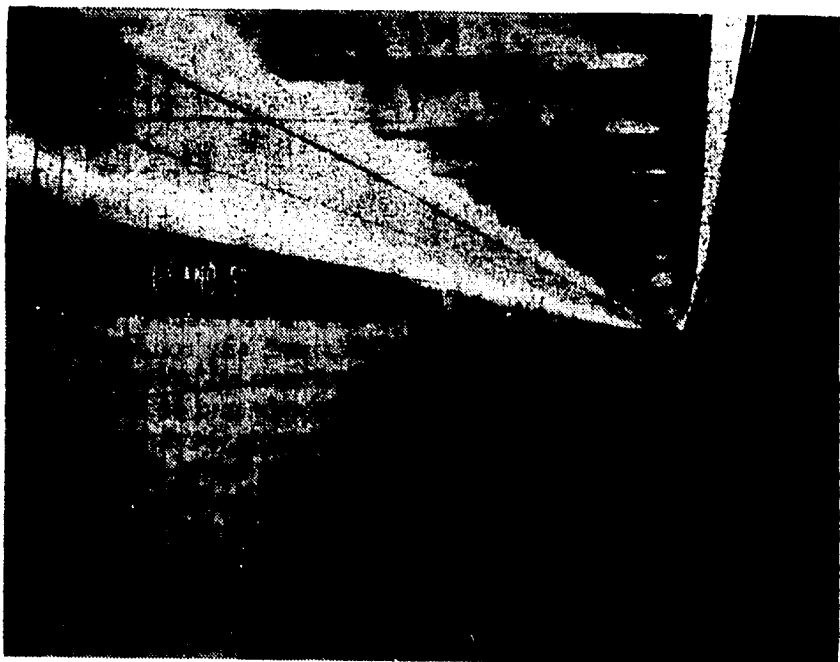
Students Plan Fight for Better Subway System

By ROBERT JEWELL

The City College is often referred to as a subway school. A vast majority of students at the college use the New York City Subway system to commute to and from school each day. The buildings of the North Campus are even built of Manhattan schist excavated during the construction of the Broadway subway. It is only natural that City College students have some interest in the Rapid Transit system. But 20 or so students are more than interested in the subways, and these have formed The City College Committee for Better Rapid Transit (CBRT).

In their first action, the Committee opposed (unsuccessfully) the passage of the Transportation Bond Issue. Bob Swanson, the Vice-Chairman of the group, explained why: "Even though more people are dependent on the subways and other rapid transit facilities than are on the highways, a disproportionate amount of money has been spent on the highways as compared to the Transit system. Although the bond issue will provide some money for the subways, a majority of the funds will go for highway development. It is time that we call a halt to unlimited highway expenditures, and give some thought to providing facilities for our developing urban areas."

However, many students did not understand why a group



The Grand Street subway station is on the New York City transit system. Straight, stark lines characterize this monotonous station. Compare this with subway stations in Montreal, Boston, Toronto, London, or Moscow. Ours are unimaginative and dull. Engineers down at Jay Street headquarters of the Transit Authority have been doing it this way since the year One. Why should they change?

the Subway system. Ours is a changing city, and yet we have not had any major subway construction in the last 25 years. As an example: according to Mayor Lindsay, two-thirds of the jobs are located on the East side of Manhattan, and two-thirds of the subways are on the West side. The Second Avenue 'El' was torn down in 1942, and the Third Avenue 'El' torn down in 1955. All of that traffic had to

bigger than theirs, they will only have 44 seats. Why? So that we can have more packing room in the cars. And ours won't be air-conditioned. The Transit Authority has the absolute gall to brag about these cars. No matter how good looking they make the outside of the new cars, it won't make up for the discomfort on the inside."

According to Andy Wolf, the one improvement that is most needed in New York is a Second Avenue subway. "Until you provide adequate capacity in Manhattan you can't construct new lines in Queens, the Bronx or Staten Island. The reason we have all this controversy over the new subway changes is that the Chrystie Street subway which made the changes possible was planned to be used in conjunction with a Second Avenue Subway. And what about Staten Island? Whenever you mention the possibility of a Staten Island to Manhattan tunnel they say 'impossible.' 'Too expensive.' I read the other day that the tunnel from England to France under the English Channel will cost only \$600 million. This is just a bit more than one-fifth of the total N.Y. bond issue. Why is it impossible? Why can we build tunnels from England to France but not from Manhattan to Staten Island?"

be diverted to the IRT Lexington Avenue line and the IND Sixth Avenue line. The years have made the situation only worse. The Robert Moses generation has failed us and failed us miserably. They have left us stuck in the mud, and it is our responsibility to extricate ourselves. Look at the new Grand Street subway station. It's decorated in neo-penitentiary. Just unbelievable. Compare it to what Boston, Montreal, Moscow, Paris have done with their stations. New York is always last in imagination. The people at the Transit Authority can't even copy someone else's ideas.

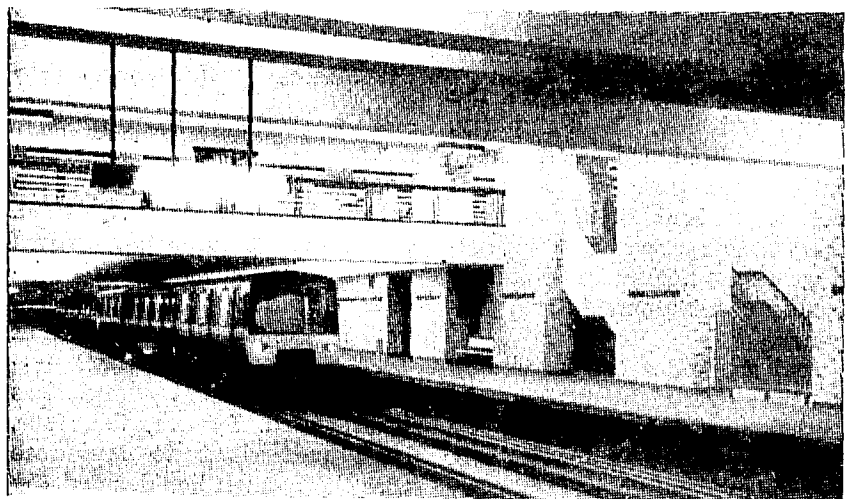
Wolf continued, "we don't have to look far to see how the subways could be made more livable. All we have to do is go down to Hudson Terminal, or 33rd Street to the PATH trains that run under the Hudson. Brand new cars with big windows, 56 seats, air-conditioned. And compare those to the R-40 cars that will soon be delivered to our subway system. Even though our cars are much,

Andy Wolf's proposal for a Second Avenue Subway will be published this Spring in the Committee's magazine *Rapid Transit Forum*. It is hoped by the officers of the CCNY/CBRT that the magazine will indeed be a forum for students, faculty and others to express their opinions on what our subway system should be like. Bob Swanson explains what will be contained in the first *Forum* to be published before Christmas. "Several articles on the route changes, including an evaluation of the changes and a description in layman's terms of what technical changes made it all possible will be included. Also there will be suggestions for improving subway stations, news of what's going on elsewhere in the country, and around the world in the field of transportation. The magazine will probably have 25-30 pages, and sell for 10 cents."

The Committee hopes to be able to translate some of the proposals published in *Forum* into actual blueprint form. Members of the Committee who

have autonomous control of the transit system put before the voters. There is no doubt that the people would reject all of them. Robert Moses has decreed that no subway cars will go over any of his bridges, and that's that. I think that as long as the people own these facilities, they should have some say in how they are to be used. A perfect example is the Verrazano-Narrows Bridge. Two subway tracks could be built across it, and connected into the BMT 4th Avenue line in Brooklyn. So Moses comes out and tells us that the grades on the bridge are too steep for railroads. Of course they are too steep for railroads, but a subway is not a railroad, and the grades on the Verrazano-Narrows Bridge are not any greater than those of the Williamsburg or Manhattan Bridges, where subway trains do run."

The one point of agreement that all members of the CCNY/CBRT share is their common contempt of Robert Moses. Another is their distrust of Mayor

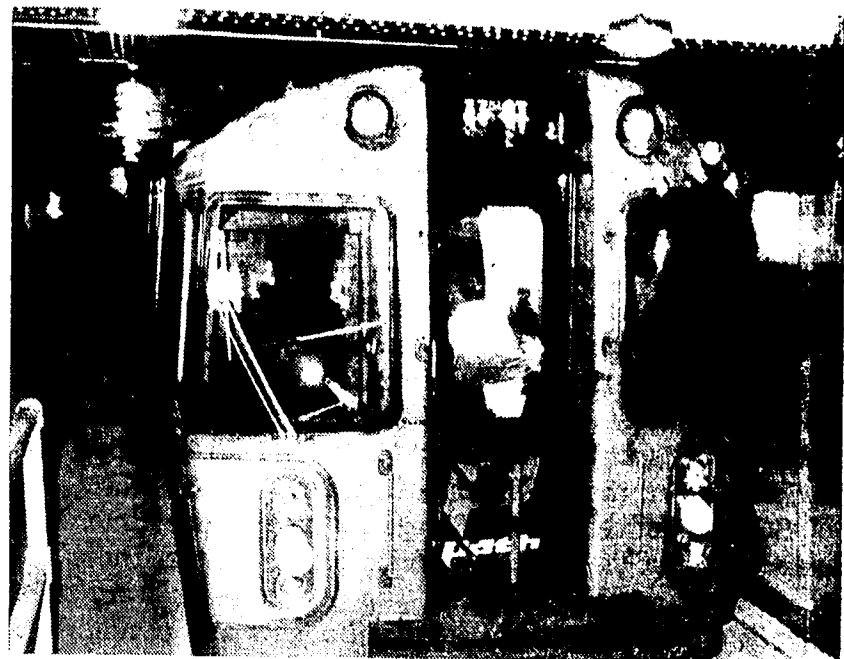


Atwater Station on Montreal's new Metro. In Montreal, as in Paris, no one can ever delay a train by being stuck in a door. As a train pulls into the station, an admittance gate closes and no more passengers can enter the platform. Each Montreal station was custom designed by an architect. The spaces in the station are exciting, not cold.

formed to improve subways would oppose additional funds for those subways. The lopsided majority by which the bond issue passed took some impetus from the group. Some members felt that the CBRT would have to disband after the election.

But the recent route changes made by the transit authority gave the Committee the opportunity to show that they could provide service to the students. The Committee co-sponsored with Student Government a sheet explaining those changes and their effect on City College students. Leland Scopp, the group's Secretary, and Andy Wolf, the Chairman, prepared the text. Less than an hour after being left at the newspaper distribution points, all 2500 copies had been taken by students. Most students felt that the literature was of real value to the school. As a result, 5 new members joined the Committee.

Andy Wolf (Arch., '70) explained the purpose of the group. "For too long our City officials have totally neglected



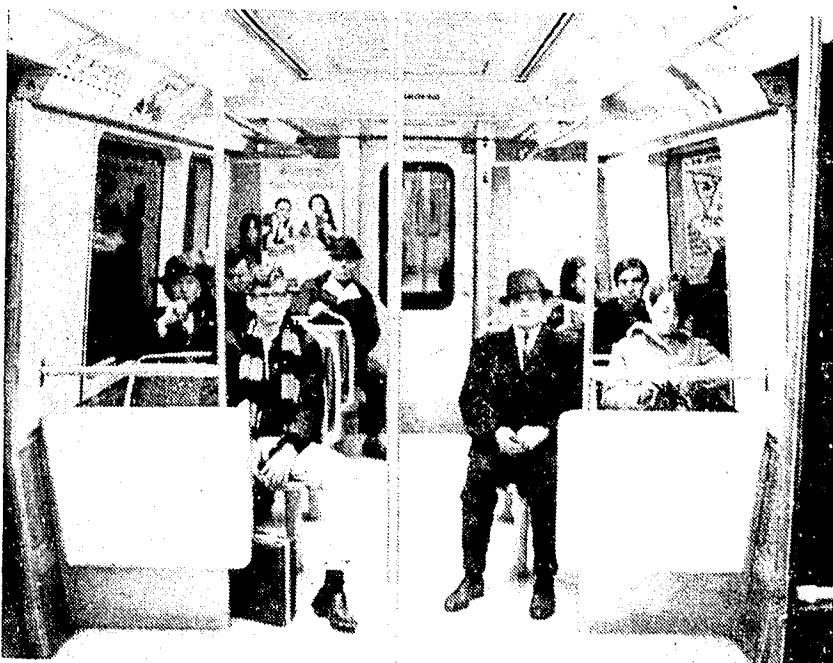
These are the new trains on P.A.T.H. (Port Authority-Trans-Hudson) lines (see interior below). They are well designed and elegant. They sort of make our I.N.D. steel boxcars look like I.N.D. steel boxcars.

are engineers and architects will prepare plans and renderings. Then, according to Andy Wolf, "we could go right up to the Transit Authority and shove it down their throats. If they won't listen to us, we're prepared to begin circulation of petitions to have the question of whether or not public authorities should

Lindsay. "Lindsay promised too much," stated one member, "and he just didn't deliver. He should have been up in Albany when they were drafting the bond issue and demand more for the City. He shouldn't have given in so quickly to the Transit Workers. He should have asked the State to give more in subsidies so that the 15 cent fare could have been saved."

It is a widely expressed feeling among Committee members that there will indeed be a transit strike and that the fare will again be raised, this time to 25 cents. Andy Wolf is particularly pessimistic. "I doubt if the 20 cent fare will last much longer than next March, when the TA is taken over by Rockefeller's new bureaucracy, the Metropolitan Commuter Transportation Authority. As far as the Transit Workers are concerned, I don't feel that they are asking too much when they want increases in salary. What I object to the most is the work rules which they have obtained. These make it impossible to economically run the subways at a low fare."

But regardless of what does happen, the City College Committee for Better Rapid Transit will continue the fight to "extricate" the City from its transit crisis.



This is the interior of a new P.A.T.H. car, running between lower Manhattan and New Jersey. Cross-wise seats provide more room for sitting. These seats are also padded. The dark lines down the center of the roof of the car are air conditioning ducts. Large windows and clean interiors help make the journey to and from work more pleasant.



TECH NEWS

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Inquiring Technographer

By ALAN SCHOENFELD

QUESTION: Should Alka-Seltzer and Brioschi be sold in the cafeterias and the snack bar?

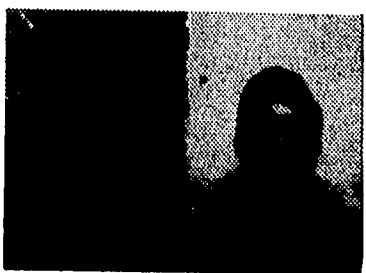
Suzanne Fischer, 1501, Sociology. Yes, because many people get upset stomachs while having lunch served by the school, or anticipating exams.



Fischer Brodowsky

Bob Brodowsky, 501. Possibly, but the most essential need for the cafeteria and snack-bar are more pails. It is a long run to the bathroom.

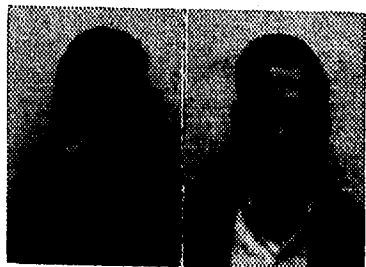
Stanley Lemel, 603, Psychology. Most definitely. The unbelievable amount of nauseating noise and number of ugly people around the cafeteria would give any person with a reasonably strong stomach gastric trouble. I feel Alka-Seltzer and Brioschi is not the best solution for the problem. More cafeterias and lounge facilities should be established for the student body.



Lemel Cohen

Steve Cohen, 503, Math. Empirically yes. The food here has the peculiar property of inducing gas in the digestive tract. Not only should Alka-Seltzer and Brioschi be sold, but Excedrin should, too. My Poli. Sci. teacher is definitely on the order of Excedrin headache number 47. Perhaps this could be extended to Sucrats, Tums, Roloids, Midol and Blackjack Gum.

Prudence Haskell, 603, Soil Technology. I'll go one step further and provide my own salvation to your impertinent question, sir. It is plain to see that with all the Blahs at CCNY we sure need Alka-Seltzer and Brioschi, although I think in the long run, Drano and Roto-Rooter would have the best results.



Haskell Schoenfeld

Harvey Schoenfeld, Lower Junior. Definitely. It is a well known fact that many of the courses in this college can give indigestion even to the best of students. Thus if Alka-Seltzer and Brioschi were sold in the cafeteria, it would help alleviate this problem. It should also be made available to teachers who must also suffer from this problem. Of course, if one persists in attending classes as well as eating in our cafeterias, I don't think anything will help him, short of L.S.D.

LETTERS To The Editor

Paeon on Tech News

21 November 1967

Editor, Tech News:

I am a freshman here at CCNY, and am considered, as are freshmen all over the country, illiterate and totally ignorant. Of course, being an intelligent human being, I'm able to take all this in stride and look forward to the day when I can call other intelligent human beings illiterate and ignorant.

Despite my present unfortunate position in college life [freshman], I am, being a veteran journalist of sorts, still capable of recognizing damned good journalism when I see it. Therefore, let me congratulate you on the quality and journalistic standing of TECH NEWS, and may it never change.

Adriawa Evans, 1101

Corrective Lenses Needed

21 November 1967

Editor, Tech News:

I read your last **Hindsight** column through to the end and was shocked to learn that Mr. Scharf (not Mr. Wolf, who authored the piece) was ill. May I proffer my best wishes for a timely recovery.

For Mr. Wolf my feelings are less solicitous. Frankly, I am amazed at his cheek.

Those who voted in last year's Student Government election may remember that their ballots contained a referendum asking whether or not students were willing to pay an extra dollar each term to SG. Most students voted not to increase their fees, presumably on the advice of Mr. Wolf's party, which campaigned vociferously against the increase. The position of Mr. Wolf then, as a good party member, was that by cutting waste SG could maintain quality extra-curricular programs.

And so, under the leadership of the ever-righteous Jeffrey Zuckerman, SG Treasurer, we find SG cutting waste. Anduril, a student political-art-literary magazine, takes a \$250 cut in allocation, while the Baskerville Chemistry Society Journal, an established and important magazine, takes a similar cut. Waste. Vector is cut from two issues to one. Waste.

I can only call it cheek when Mr. Wolf continues to insist that amateur work on electro-mimeolooks almost as good as professional work on offset.

No doubt Mr. Zuckerman and Mr. Wolf genuinely feel a responsibility "to the students that elected" them.

Kenneth Kessler '68

21 November 1967

Editor, Tech News:

andy wolf's a lucky man
now **hindsight** can
give full credit to stu scharf
andy wolf's a lucky man

Suana de Rubin '69

21 November 1967

Editor, Tech News:

Those of us who know Stu Scharf have been aware of his dire illness for a long time. However, we have not wished to make this news public. However, now that it has been revealed in the latest issue of Tech News, an emergency meeting of the student council has been called. I have, therefore, been authorized to announce that the council has decided (by a vote of 12 yes, 10 no, and four abstentions) to wish him a speedy recovery. We hope that this gesture will soothe his last days and make them less painful.

Ronald Einziger '68

... and Don't Buy Wheaties, Either

24 November 1967

Editor, Tech News:

I take this opportunity to express my ambivalence concerning a letter and an interview which appeared in the last issue of the Tech News. The interview deals with the description of Dow as a mass murderer and the letter concerns an objection to the participation of the college in the G. E. College Bowl. The interview is a paradigm of the typically excellent logic used by today's confused malcontents. Fact: Dow makes Napalm. Fact: Napalm can kill. Conclusion: Dow is mass murderer. By similar reasoning, fact: Ford makes car. Fact: car can kill. Conclusion: Ford is mass murderer. I only wish that I could have been blessed with his sense of logic. Armed with this logic I could conjure up a reason to protest anything from babies to education.

The second student's reason

is similarly sound. Fact: G. E. produces electronic equipment. Assumption: some equipment undoubtedly sent to Viet Nam to aid U. S. Imperialism(?). Conclusion: G. E. is a murderer. And it follows as the night the day that if, fact: farmer produces Wheat, and you assume: some wheat is sent to Viet Nam to feed America's instruments of Imperialism (?), then you must conclude that the farmer is a murderer. After dazzling us with his logic he proceeds to display his sense of moral values when he states that if we won while participating in the G. E. College Bowl he could not find it morally correct to accept their blood money. He believes that to do so would be a tacit agreement with the company's policies in the Viet Nam conflict. Should a woman on welfare decline her check because she believes that this would indicate

(Continued on Page 5)

The Fiscal Follies of 1967

Poor Jeff Zuckerman. Everybody picks on him.

Ken Kessler picks on him. Observation Post picks on him. Larry Yermack picks on him. In the name of Anduril, lots of other people pick on him.

But nobody seems to want to listen to him. And why not? Because, it seems, there has been a growing trend towards criticism for its own sake, and a glaring disregard for the principles of rational argument.

The evidence tends to support Mr. Zuckerman's claim that there just is not any more money to be allocated by Student Government. The reserves that appear to exist are tied up in legal commitments that Student Government can not ignore.

But the absence of funds can no longer be the major point of contention, for it is a matter of record and can be checked by any and all interested parties. The point now is that many of the charges are being leveled by Mr. Yermack, while an objective appraisal of the situation seems to show that it is this same Mr. Yermack who is responsible for Student Government's fiscal difficulties.

SG did, indeed, have a large reserve at one time. But during Yermack's term of service as Treasurer, those reserves were quickly depleted. His predecessors were able to work effectively within smaller budgets and accumulate those reserves. But now those reserves are gone and Zuckerman is still forced to operate under the budget prepared last year by Yermack.

It seems clear that Yermack prepared his last budget (the one under which Zuckerman must now operate) with the assumption that the one-dollar fee increase proposed by his ticket would be approved by the students. After the rejection of the increase by the student body, Yermack did realize that a smaller budget or the depletion of the reserves was his choice. He chose to use up the reserves.

In larger political and economic aggregations (that is, the real world), deficit spending is criticized by those who are uninformed or conservative, or both. But Student Government does not yet have the ability to sell bonds. . . .

Anti-Draft Week

"The war in Vietnam is clearly immoral," states the student press. The war must be opposed on moral grounds, many feel. Morality is conspicuously absent in American society, and the support of the war is based solely on this amorality.

These are some of the arguments behind the bulk of the protests that will take place this week. They may very well be good arguments. Many of them can be effectively supported, and are widely held by vast numbers of intelligent and sensitive people.

But moral arguments in this case are not sufficient. Morals are too personal a matter, and criticizing morals (or the lack of them) tends to lose support for a cause. And this is a cause which, most of us agree, needs and deserves all the support it can get.

The war is foolish, it is costly, and it is not in the best interests of those for whom it claims to exist. And there have been rational alternatives proposed.

A sense of personal futility must not force the opposition to change the basis for that opposition, for that feeling of futility that is beginning to appear in many is ill-founded. One shudders to think of the course of events, had there been no opposition at all.

Tech Life

By KENNETH FLAXMAN



"With the invention of the printing press, our American system of higher education has been obsolete."

—Helmholdt Pierson, 1963

WHEREAS the majority of courses offered in the School of Engineering are complemented by a detailed syllabus, and **WHEREAS** this syllabus includes a listing of the entire term's homework assignments, and

WHEREAS an answer key to these problems is usually available, and

WHEREAS for most courses, a readable, reasonably, understandable text which adequately expostulates the desired coursework exists, and

WHEREAS the function of a teacher in an undergraduate engineering course seems to be to replicate the text, take attendance, offer and grade examinations, and

WHEREAS a faculty member is better utilized in furthering the needs of society by doing research or teaching graduate students, than in replicating a textbook,

BE IT SO RESOLVED that, in order to best satisfy the needs of the undergraduate Engineering student, the instructional staff of the School of Engineering and society in general,

THAT, henceforth the use of a teacher in a course offered with the aid of a predetermined syllabus be minimized and that,

FURTHERMORE, instruction in such courses should proceed in accordance with the state of the art in educational methods, whereby

BE IT FURTHER RESOLVED, that a committee shall be formed, to consist of not less than one representative of each Engineering discipline and duly chosen representatives of other concerned parties, to study the most efficacious manner of manifesting the goal located herein, and

FURTHERMORE, that said committee will conclude the preparation of their report in a time not greater than one year and,

FURTHERMORE, that said plan, if adjudged to be financially tenable by the proper authorities, be adopted at the earliest possible time, such times not to exceed eighteen months subsequent to the submission of said report.

* * *

Engineers at Steinman College will be educated entirely by teaching machines, starting this September.

Obtaining admission to Steinman College, the student is assigned a teaching machine. This machine, linked to a massive IBM 360 computer, is the student's for his entire tenure at the college. . . .

Registration was once a laborious process — one of fitting the desired courses into the available hours. Now, a student merely decides which courses he wants at what times, and his teaching machine does the rest. . . .

It is expected that this development, by freeing the entire instructional staff from undergraduate teaching duties, will enable Steinman College to take its place among the best in graduate engineering education. . . .

Letters

(Continued from Page 4)

her agreement with the policies of Imperialist America (?). Do I, by accepting pay from my employer automatically agree with his choice of car; of course not, it's absurd.

I wish that these students would limit their vituperations to the realm of reality. If you want to pursue the doctrine of civil disobedience, do so logically. If you must protest, do so intelligently. Let me remind you that the doctrine that shapes history is Civil Responsibility.

Walter F. Rupinski '69

Reader Rupinski has evidently missed the point of Mr. Lichtman's letter. It was written with tongue planted firmly in proverbial cheek. —Ed

Course Pool Urged

1 December 1967

Editor, Tech News:

At a time when CCNY students are protesting Administration power and demonstrating for student power, I have only one major grievance. This is the fact that a student who desires to follow a course of study is required to take many courses that do not pertain to his major field of interest. For instance, I am an Architecture major, and I am required to take four social studies courses, two humanities courses, an English course and a science course that do not pertain to my field of interest. I am not suggesting that these courses be abolished for Architecture majors but I do suggest that instead of flatly requiring any course or series of courses, the College officials allow a student to choose courses in a required category from a large pool of courses. I, for instance, would like to take courses on contemporary problems instead of Aristotle, Plato and St. Augustine. I believe that students would make good use of an opportunity to choose their own required courses.

Robert W. Gem '71

IED

THE CLASSIFIED

During the November blackout, what ME professor was stuck on an escalator for three hours?

There is mayhem in the mansion Since the cows were coming home.

Prof. Shelley for Dean of the School of Architecture

Should JM's column be titled Utterances of a Blown Mind? or Return of the ApE Men?

Best regards to Jeff Grossman on his marriage.

Jefferson Davis was Zachary Taylor's son-in-law.

Liberty, Equality, Fraternity Are there really only three freshman pledging ZBT?

We're not so sure that President Johnson isn't being controlled from Hanoi.

Edwin Fabre isn't really Jewish

"The administration of City College is not evil, they're just not too farsighted"

Architecture Professor

. . . and the same can be said for Dr. Hyman down at the City University.

Dr. Gallagher:

Congratulations. The letter you sent to President Johnson was excellent.

— LHM

NU? — The Anteater

WHO IS TED FAUCE? — The Anteater

A. W. loves D. M.

November, 1967: The emergence of the Dumb Architect.

(He used to be an English major.)

McCarthy for PRESIDENT.

Amateur Scatologists take NOTE

What is a Fergus?

Was Dean A. really supposed to resign in 1964?

Yes, my sons, Prometheus was a problem child.

Is the Resistance really co-sponsored by the Electrical Engineering Department?

Best regards to Jeff Grossman on his new addition: May he be as gross as his father.

Actually, we're not so sure that Hanoi isn't being controlled by President Johnson.

"Getting a good education at City College is like buying fresh meat in the ghetto."

Former Dean

Dr. Goode has a new book coming out in the next few months concerning one of his major fields of interest, Comparative Graftiti.

— The Shadow



Gross Sayings

BY JEFF GROSSMAN

This is the time of the year when citizens of the United States are engaged in an annual event, unsurpassed in emotion by any other (with the possible exception of the yearly crawdad pie Bake Off in Skaggs, West Virginia). No, I'm not referring to the suicidal attempts at Christmas shopping on Saturdays, nor am I describing hectic Chanukah shopping on Sundays.

Rather, the great happening I'm talking about is the "Sadie Hawkin's Day Race." Everyone runs to catch the latest score (Spinsters 6, Bachelors 0) or the newest innovation for escaping entrapment into the bonds of holy matrimony. (Would you believe stocks?) And, of course, everybody has a good laugh at the groovy people of Dogpatch. I have, at this point, reached a conclusion: Such a race should actually be held in New York City.

Envision it if you will (and if you won't, I'll describe it for you) — thousands of man-hungry girls chasing us eligible, handsome, debonair, intelligent, witty, charming, modest young men through the city. No holds barred!! (No bars held, even!!) Everybody (and everything) is fair game. Basements are for hiding; ropes are for snaring; subways are for sleeping.

A gun fires. The boys start running from Battery Park. Fifteen minutes later, the girls are loosed. (Does that mean they are loose girls, or am I just using the phrase loosely?) The first fatality is a young architect (from City Uptown, of course) who stopped (fool!) to watch construction of the new World Trade Center downtown. Most head immediately uptown but a few, trying to outwit the females of the opposite sex, jump on the ferry to the Statue of Liberty, only to be trapped in the extremities of the edifice. (Watch out next time a girl says that she is carrying a torch for you.)

A small group, led by the TECH NEWS Managing Board, (with the exceptions of recently departed brothers Walden, Kalish, and Frohlich), stops at 110 Street and Broadway to plan their strategy (also to whip in for an Orange Julius to get the adrenalin going). By an overwhelming majority (would you believe 5 to 4?), a decision to leave one behind as a "sacrificial lamb" (how about "sacrificial stud"?) is adopted. Fortunately/Unfortunately (choose one), before someone can be picked, an advanced scouting party of girls is spotted, causing great alarm and confusion. Luckily, cooler heads prevail and a quick straw vote of the Managing Board decides that upper-classmen need a headstart, leaving freshmen and sophs behind to bring up the rear. (A hint some of the girls should have taken.)

At the same time, a staunch group from Sadie Hawkins Must Always Live To Zonk decided to sit in at Battery Park. They were immediately rounded up and carted off (and they didn't even use a single cop!) A more militant group (Sadie Hawkins Is Terrible), realizing a mere sit-in is ineffectual, tried to block the girls from leaving the Park. One curly blond-haired demonstrator was dispatched with a move that could only have been learned from a Steinman Hall engineer (ask F.M.B.).

A number of the girls (mostly from Hunter College, where they say, "Better smart than Beautiful") proved extremely shrewd. They staked out the pool-halls, bars, fraternity houses, and other places usually reserved for a male-only clientele. However, due to a mistake in their calculations, there were about ten girls to every boy at each location, and in the ensuing melee, the boys escaped scot-free. (Isn't that the cat who wrote the Star Spangled Banner — Francis Scot Free?)

The people from Student Government were really hung up. When the gun went off, they couldn't decide whether they should run to the left or to the right. As a matter of fact, some of them couldn't decide whether they should run at all. In the end they were still sitting in the park, unable to decide for lack of a quorum. . . .

By the day's end, seventeen had joined the ranks of the walking dead. (Which goes to prove the old saying, "A bird in the hand is really a dead duck.")

Fantasy, you say? Maybe. But with warped minds (such as mine), and perverse morals (most of my friends), as the leaders of tomorrow, who knows? Girls of the world unite, you have nothing to lose but your chastite!!



Diana

By RUTH SHANEN

The war is over! Yes, children, you may rejoice for God is not dead and peace rules the world. You don't have to take my word for it. You can ask the flower children and peaceniks who went downtown last Saturday to gather together and declare an end to the conflict. My darling baby sister, who is a Tennybopper First Class and hopes to be promoted soon to the status of Hippy, was on the spot to cover the story. She tells me that it was quite an event. Balloons and buttons were distributed by the dozens, all with the same inscription: The War is Over! It was a joyous occasion; there was laughter and shouting. But there were no tears of relief.

There was no relief. There is no way to make fantasy real. The truth remains the truth no matter how much you may deny it. Still there are times when we may find life too much to face. There are times when we tell ourselves that our problems are imaginary. There are times when we push our responsibilities from our thoughts. Turn on the hoob-tube, turn off your mind, turn off the world. See a Doris Day movie. Have an extra martini, or two, or three; it will make the harsh lines of vision and reality a little less severe. If that isn't to your taste, a little hash might help. We all indulge in these little psychological escapes every once in a while. I'd be the last to condemn them. After all, if we had to face reality constantly, without any occasional vacations, every one of us would have a case of triple ulcers.

But there are some people who go on a vacation from reality and never return. The state has built several lovely "homes" where these tired souls can spend their days from care and trouble. The rest of us will take care of the world for them. Someone has to. But to deal with reality we have to meet it face to face.

Harry Golden may not be our greatest scholar, but he has a few years more of living than most of us. A few nights ago he said something that impressed me very much. He said that we must all face the fact that we live in an unpleasant world. That we and our children after us will live in an unpleasant world until we die. That this is not pessimism, but really the height of optimism. For it is only by facing the problems of our life that we can come to an understanding of them, and learn to deal with them, and maybe find a few solutions. The heights of pessimism is the attitude that our problems are insurmountable, and therefore impossible to deal with. The logical corollary to this view is that the only way to obtain relief from our troubles is to deny their existence, to pretend that what we want is what really exists. But there is no relief. It has been expressed best by the cartoonist, Jules Feiffer, in one of his classics. The scene opens on a woman in a bed by a window. She has just awakened. She is describing how she loves to lie in bed in the morning, watching the leaves turn beautiful colors, listening to the voices of children at play. She is grateful for the world, and for her place in it "for my very small place, where I do nothing but lie in bed all day and watch the sky turn dark and the leaves die and listen to a bunch of kids fight. Why must all my happiness be just a cover up for my depression."

I think it's nice to escape once in a while. I'm not knocking Doris Day. I even believe in The Great Pumpkin. But only once in a while. The rest of the time I'm too busy trying to cope with my world. Still it would be a cruel world, indeed, if little flower children could not believe that there are fairies and gremlins in the world, that your dreams will come true if you wish upon a star, that Santa Claus will bring them presents on Christmas Eve. Yes, Virginia, the war is over.

Hindsight

By ANDY WOLF & STU SCHARF



(This week's column is by Stu Scharf.)

Last November 13, a not-so-funny thing happened at Steinman Hall. South Campus students went all the way up North to protest Dow recruiters on campus. Aside from the more immediate consequences of that protest, it has also enforced the inane idea of North vs. South (or some might say Good vs. Evil). In the last issue of TECH NEWS much column and news space was spent discussing this problem. Judging from reactions received from North and South students, intra-campus relations has reached "the height of its low." Although this column will not attempt to solve this age-old problem, some thoughts will be offered with the hope of "stimulating (further) thought and discussion." "It is one of this writer's few remaining unshattered beliefs that with thought and rationality at least understanding, if not solutions, will come about."

To start, let us assume that The City College is a (in the sense of one) college. Due to a treacherous division of course offerings among the numerous wide-flung buildings of the College, Engineers and Liberal Arts students find themselves at opposite ends of the world. (Architecture students, who study in Steinman, Goethals, and Eisner Halls, are perhaps the only City College students.) The resultant lack of communication has given rise to much of the tension and hostility manifest so frequently. As a History major writing a regular column for the Tech newspaper, this writer feels compelled to make use of his unique position to correct some very bad ideas.

In two successive columns, Jay Michlin has typified and helped to spread the engineers' stereotyped conception of the Liberal Arts student. Although the point of his first column ("ApE: Apathy Engineer" Nov. 7) was to rouse some interest on the part of engineers in the extra-curricular life at City, he managed to savagely misrepresent the "Liberal Arts major" in two short paragraphs. Whether by deliberate intention or inability to express himself clearly in writing, the effect is the same, viz: "The arts major has few if any tests. . . . Although the Arts student has a lot of reading to do, he can usually do it the night before the final, if at all. What he does read, he skims. . . ." Or from the next week's column, *On Moral Persuasion*: "Generally the job has very little to do with the subject they [Liberal Arts students] study in college for four years. In many cases they are in college only because 'that's what you do after high school'." In addition to poisoning the minds of freshmen who ideas are not yet cemented, Mr. Michlin has solidified such "thinking" held by upper class engineers, i.e.: "That's what I thought all along about those South Campus degenerates."

I shall not debate specifics with Mr. Michlin by pointing to my own situation as a History major carrying four elective History courses (twelve credits, ten papers totaling 65 pages, and approximately 3 books, not counting research on the papers) and an elective Psych course with a required paper. Miss Elayne Kent, an English major, used this argument in her letter, published in the November 21 issue.

What I am disgusted with is the inclination and willingness of North and South students alike to degenerate into such low-level name-calling and childish behavior. Particularly regrettable is that a small minority from the South Campus, and presumably the North Campus, are really the only groups meriting the typical denunciations. Only a small minority of Liberal Arts students are the people who alternate between the South Campus cafeteria and the current demonstration site. However, all of the people in this minority are activist, and all of them do participate in the various demonstrations. The overwhelming amount of Liberal Arts students are every bit as apathetic as their Engineering fellow-students. However, the vast majority of Engineers are inclined to accept such aforementioned criticism of the South Campus student body as truth, because all they see of the South Campus students are the activist minority. The situation is the same for Liberal Arts students' opinions of the whole Engineering student body: the South Campus student generalizes about all of North Campus based on what little he sees of North Campus. What results is an incorrigible enduring enmity, all growing out of this lack of, and disinterest in, communication and attempt to understand. I would say that everyone described above has a closed mind, except that minds are for thinking. Since there is also very little of that, these people (i.e. almost all of us) by definition have no minds.

* * *

At the outset of this column, I said that no attempt would be made to solve this problem. I would like to support, however, the ideas set forth by Ken Flaxman in his *Tech Life* column of Nov. 21. Only one criticism of Mr. Flaxman's idea. He says that one of the advantages of his plan would be to afford the potential Engineering student the ability to "reasonably determine where his interests lie," i.e. whether or not, at the end of three years, he still wants to be an engineer. Also, the student may "switch out of Engineering without loss of credit," and naturally, "a great deal of separation between engineers and non-engineers is eliminated." All of these ideas are fine, taken individually. However, all these "advantages" strung together impressed me as an attempt to undermine and wipe out the whole School of Engineering. This is a deliberately extreme view, but I am a confirmed South Campus student myself, and I can imagine (falling prey to non-thinking) that many Engineers also saw this, only really thinking that such a plan was actually meant.

But, Mr. Flaxman said that his proposals were "not presented as a blueprint" for actual immediate change, only as "an idea — an idea that will hopefully stimulate thought and discussion." The added emphasis is mine.

* * *

Thanks to the several people who sent letters or spoke to me personally about my "dire illness." To those people whom I don't know, I want to express my sincere thanks and appreciation for their thoughts.

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Apathy, Part II

By JAY MICHLIN

Last issue we published a letter from Miss Elayne Kent referring to the ApE column in the November seventh issue. Miss Kent was quite upset with some of the comments I made about Liberal Arts students. No, I'm not about to come forth with a flowery apology, nor am I about to feed fuel to the fires of the North versus South controversy by arguing with what she had to say. My intention is to consider her contentions and perhaps draw some valuable conclusions from them.

Let us get one thing straight from the outset. I did not, do not, and will not indulge in the questionable practice of name calling. I do not consider it proper to call anyone a Communist or a Fascist or any other such inflammatory "ism" unless the person so calls himself first. This does not apply to printed material only, it applies to any and all communications.

It does not seem very logical that a columnist would spend half of a column telling engineers to get involved with their south campus cousins, then spend the other half berating the south campusniks he is telling people to emulate. For that matter, it is something less than intelligent to make any sort of overall generalization as to the demeanor of a large group of people such as "All Indians are thieves and murderers," or "All Communists are war mongers," or "All Liberal Arts students are Communists," or "All Engineers are dumb."

Perhaps if everyone would follow the rules I have just outlined, we would see some peace on campus, for a change. If you will check the ApE article, you will see that even where I indulged in calling Tech students dumb, I used the term as a shock tactic only. Please remember that such tactics are necessary when trying to motivate a group which has a ten year history of super-apathy.

Yes, I recognize the fact that some students take their work seriously. Some do spend many hours reading page after page of literature for their courses. Some do not spend most of their time in school lounging around on the lawn (what's left of it) or in the Student Government office. It is likely that the majority of all students, both tech and arts, behave in this manner. Nevertheless, there is a good sized minority composed of people (notice I don't say *students*) who do not take school seriously, who are using their

university as a high class baby sitter, who take little interest in their courses, and who spend their time agitating and protesting.

And I know that most of these self appointed saviors are NOT engineers. It is an undisputable fact that a Tech student who falls behind in his studies for any finite length of time is given one term of probation, then thrown out of the School of Engineering, or even out of the College entirely. This has been known to happen to students who have survived four (count 'em, four) long years of engineering or architecture, and are then thrown out because they can't maintain a C average. On the other hand, it is possible for a Liberal Arts student to glide through college with the greatest of ease by taking all of the "hack courses" and doing as little work as possible. The College does not eliminate these people quite as quickly as it does engineers.

And so, Miss Kent, mild mannered English major in a great metropolitan university, you are absolutely right. The lot of the college student, no matter what his major, is a painful and frustrating one. It is the mighty, unwashed minority that gives us all a bad name, not only internally with each other, but what is worse, externally with the outside world. It is they who discourage engineers from being involved in the campus, and it is they who proliferate the term "dumb engineer" with those who are involved (in case you haven't realized it yet, I do not believe that engineers are dumb for as much as one micro-second; I use the term to get people to think, a noble calling).

The one thing I find most distasteful about the College is the rift between North and South. And the first step to close this gap will be taken only when both sides recognize that there is no fundamental difference between one student and another, as long as both really are students.

If this column accomplishes anything at all, I would like it to stimulate thought on both sides of the yawning chasm facetiously called 135th Street. I freely admit that what I have to say is controversial, and solicit comments both pro and con. If you have no comments either way, it is probably because you have not meditated on the issues involved. My prescription: eight pages of TECH NEWS, once weekly, taken internally. It is the sure cure for pernicious apathy, or as we call it, undeveloped mind.

Engineering Articles Reviewed

(Continued from Page 1)

anyone interested in logic devices. Mr. Zagofsky shows how an oscillator, a flip-flop device and even an IBM punch reader can be developed by using simple flow circuits.

The third article on fluidics is by Laurence Presser and is on the Coanda Effect, the basic principle on which fluidic devices work. Mr. Presser discusses two phenomena he investigated at the Brooklyn Polytechnic Institute. The two phenomena are fascinating; one is the effect that will cause a fluid to change

its direction up to 180 degrees in order to follow the contour of a surface, the other is the effect of a main flow that will cause a secondary fluid to follow its path. However, the format of the presentation gets too involved with details to be readable.

Vector has another good offering, that by Abe Gelieber called "Analysis of a Line Multiplication System." Starting with a short-cut used by youngsters to multiply one digit numbers, Mr. Gelieber derives a general system for an infinite number of elements. Although

a discussion of the possible applications of such a system is omitted, the article is worth reading if only to find out how to multiply on your fingers.

Vector's theme of the growth of ideas is rounded off by Jack Henkin article on "Optical Lasers In Technology," which explains more possible applications of the Laser. Has the Laser become the engineer's panacea for society's technology problems?

The crossword puzzle is really a puzzle in this Vector. There is a word for 55 across but no box.

Anti-Draft Protestors To Rally on Wednesday

(Continued from Page 1)

thing together and have us outnumbered and outmaneuvered, we split. Go home and return tomorrow. And tomorrow, and tomorrow . . ." continues the flyer, conceived by the "V-Spirit of '68."

Through the use of "mobile" or, perhaps, "guerilla" tactics, those coordinating the protest are trying to minimize the violence and arrests of previous protests. The blood of the Dean Rusk Affair and the tear gas at the Pentagon encirclement produced little in the way of favorable public support. This lack of response to legal and pseudo-legal means of instituting change has apparently frustrated the movement along lines of conventional civil disobedience. Wednesday's encounter should be reminiscent of Fidel, when he was a good guy, or of the Apaches — who attacked random wagon trains to stop the defilement of their land by the whiteman.

Mobile Obstruction Wednesday follows a Draft Card Burning Monday, and a convention-

al Civil Disobedient Tuesday — conventional in that a sit-in and a "legal" picket line will be instituted at Whitehall Street. If Wednesday's "Mobilization for Obstruction" is successful — in that it hinders the Whitehall Induction Process and causes few casualties — Thursday and Friday are planned as a repetition of mobile tactics. Ideologists of the movement are reputedly foreseeing the day when, barring a drastic change in the status quo, the United States will be the location of an armed insurrection — with guerillas emerging from the mountains to interfere with the draft, chemical warfare factories, narcotics agents, profiteers in ghetto communities and other immoral activities.

John Sheridan, a Marshal at Wednesday's demonstration, sums up the new feeling of the movement, when he calls for all those who "are tired of writing letters to editors, and of sitting around waiting for things to become good and pure, to join us at Whitehall Street, on Wednesday."

Hunter College Paper May Be Sued for Libel

(Continued from Page 1)

the Hunter College newspaper, *The Meridian*, was a slanderous attack on the members of Kubanbanya. The idiocy it presented is an exemplification of how corrupt and malignant minds think, for they always corrupt the things they see and hear. In the article, it stated that the president of Kubanbanya (myself) said that the main purpose of the organization was to formulate a black theory which would promulgate a black separatist movement as opposed to the American Society. This is a direct misquote, for I stated that Kubanbanya seeks to foster a positive self-image of black people which has, in the past, always proven to be ugly and undesirable."

The article in question was written by Noelle Douglas, a freshman journalist, who is a Negro. Irons, who saw Miss Douglas taking notes during an orientation meeting of the organization, classifies her as "a spy, a traitor, and, needless to

say, a terrible journalist."

Finally, Irons stated, "Kubanbanya will not be discouraged by the insane attacks on its membership for we are working hard and profiting from our efforts. An example of our efforts in a newly formed magazine *The Symbol*. It represents our thoughts and aspirations concerning various aspects of black life." We, in Kubanbanya, will always be proud and stand up for our human dignity."

Another factor that Irons presented was a conversation that he had with the editor of the *Meridian*, after finding out that Miss Douglas was really sent by the newspaper to gather information about the organization. "I approached the editor of the *Meridian* stating to him that I thought that sending a spy into an organization meeting was a very shabby trick and he assured me that they were not going to print the article she wrote because it was junk. Apparently, he lied."

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