

TECH NEWS

Schulman Petition

Pg. 7: Student-Faculty

Sign and Return

VOL. 31 — NO. 2

222

Wednesday, February 11, 1970

Padilla Is Candidate

By MIRTA VIDAL

Miguel Padilla, City College student, is running for Attorney General on the Socialist Workers Party (SWP). His candidacy was announced on Saturday, February 7th at a banquet-rally in Party headquarters.

Miguel, who is presently on leave of absence from school, was active in last year's struggle for the "Five Demands." He is now actively involved in popularizing the Socialist Worker's Party Campaign Platform which includes the demand for "Black and Puerto Rican Control of Black and Puerto Rican Communities." "This slogan," says Padilla, "flows from the understanding that a movement of Third World people to control their own destiny challenges and exposes the inability of the capitalists and their parties to answer to the needs of Third World people."

Miguel continued by saying that the campaign calls for the formation of independent political parties to represent the true interests of the Black and Puerto Rican people, which, according to him, the present system is incapable of doing. He said: "The sham that the City College administration has put forth as a Black and Puerto Rican studies program is a case in point."

"To the long due demands of Third World students to have a say about the type of education they receive, the Administration has answered with an artificial program in which the students have no rights to make

(Continued on Page 3)



Prof. Schulman

Israeli Ambassador Rabin Addresses City College Students In Finley's Grand Ballroom

Applause filled the Finley Grand Ballroom as Ambassador Rabin was welcomed by City College students. Jeffrey Maas, the president of the activist Jewish Student Union spoke of support for Israel and introduced Rabin. Burns guards and

blue arm banded J.S.U. members stood at the entrance to provide security.

Rabin opened with: "I don't believe that I am capable of being objective. I don't believe there is a possibility of being objective in international affairs." This set the Zionistic tone for the meeting. The ambassador went on to define Israeli goals and objectives in the Mid-East Conflict. He said the Powers should not determine the solution and the first condition for peace is Arab recognition of Israel.

In his speech the ambassador said that the major powers could only be mediators in any peace negotiations. He further stated that Israel would not go back to pre-1948 conditions when there was no Israel. Rabin based his argument on all people's right to self-determination. Ihsan Jabbour, a Jordanian City College student, challenged Rabin. "What happens to the Arabs who lived in Palestine before 1948?" the student asked. Rabin again explained the principle of self determination but obviously not to the satisfaction of the student.

It was obvious that some trouble was expected from the students at the College for over 20 Burns Guards and 30 members of the Jewish Student Union lined the aisles and guarded the doors. Rabin's speech went uninterrupted.

— Paul B. Simms

Campus Retraction In Order

The Campus Newspaper and Dave Seifman in particular are apparently guilty of letting one of their racist remarks slip out and wind up on the front page of yesterday's issue. We are specifically referring to the sentence at the end of the news story "Charge Two with Possession of Heroin" which read "The over use of 'hard' drugs such as heroin, was first discovered last year following the seizure of South Campus by black and Puerto Rican militants."

First of all, the sentence is a lie. The recognition of overt-use of hard drugs at school occurred well before the take over of the South Campus. Dr. Jerome Gold confirmed this last night. The implication is that Black students first introduced drugs to the campus and some poor unsuspecting white students found themselves inadvertently hooked! That's bullshit.

Then Seifman tried to paint the picture of City College being equally guilty for harboring these Black drug pushers. A question one must raise is "I wonder whether Seifman will next try to connect all this up to open admissions?"

Is it obvious that he equates "the overt use of 'hard' drugs" with the political and human rights movement of the Blacks and Puerto Ricans. As a member of the Black and Puerto Rican Student Community here at City, and an Editor of TECH NEWS, I demand that a retraction of Seifman's article and that the Campus further censure all its future material by way of the copy editors.

Schulman vs. Copeland

By PAUL B. SIMMS

The Faculty Senate, having been ignored by Acting President Copeland, has developed a three man committee to evaluate the actions of the Acting administrator for these past months, with specific reference to the Urban and Ethnic Studies Department and the issue of Professor Schulman.

When the appointment of Dr. Scott, as Chairman of the Urban and Ethnic Studies Department was raised by the faculty, in conjunction with the curriculum of that new department, an agreement was reached between Dr. Bernard Bellush (History), Chairman of the Faculty Senate and President Copeland to appoint a review committee to examine the status of the new department after the first semester. Dr. Copeland had entrusted the Executive Committee of the Senate with the responsibility to recommend faculty members to be selected to this committee.

In a meeting with President Copeland last month, however, Dr. Bellush was informed that an advisory committee had already been formed by Dr. Copeland and that none of the people recommended by the Senate would be on that committee. It was further noted to Prof. Bellush that this committee would not have the powers of review but only those of advice and consultation.

Prof. Bellush explained that this blatant lack of regard for the faculty was evidence that President Copeland really "is not functioning in the best interests of the entire College community."

Concerning Professor Jay Schulman (Sociology) and his termination by President Copeland, Bellush explained that the Board of Higher Education will probably reverse the decision on the grounds that Copeland violated Schulman's academic freedom. "As we stated in our resolution, there appears to be a prima facie case of using political criteria to fire Prof. Schulman. Although he is not liked by every member of the faculty, this does not give Copeland the right to dismiss him on grounds other than his academic qualifications."

In reviewing the events which preceded the final letter from Acting-President Copeland, several items should be restated for clarity:

1. The Promotion & Budget Committee of the Sociology Department voted 3-2 that Prof. Schulman's contract be renewed for the year 1970-1971,

2. The President's Review Committee, of which President Copeland is chairman, reversed the Promotion and Budget (P&B) Committee's recommendation and gave no reason for its action. The vote here was 6-1.

3. The Faculty Senate, in a vote of 44-3, resolved that there appeared to be a prima facie case of resorting to political criteria to fire Professor Schulman. The Faculty Senate saw this action as a violation of the academic freedoms which are given to the instructional staff. This violation and action by the Acting President caused this vote.

4. The President's Review Committee Reversed its recommendation.

(Continued on Page 8)

New CCNY Ecology Group

By IRA LIEBOWITZ

A group of over 120 science and liberal arts students and professors founded the CCNY Ecology Action Committee last Thursday. The meeting came out of a city-wide conference held the previous Saturday at Columbia College. The conference decided to function as a city-wide education co-ordinating body of groups similar to the CCNY group being developed at NYU and Queens College. The Columbia group which is called the New York Environment Action Committee will also work on the city-wide April 22 activities and arranging for possible on-going conferences and campaigns around NY's problems of air, water pollution, health and housing crises.

At CCNY's last Thursday meeting Research, Publicity and Action groups were established. The most concrete tasks agreed upon were setting-up a Teach-in on Ecology at City for April 16 and arranging a weekly lecture

series of people knowledgeable in particular fields of the subject.

The general sentiment of the meeting seemed to be that the resultant information of the educational work and the programmatic work of the Research group would lead to some kind of action. In this vein pressure on political figures and picketing activities were suggested.

The entire Ecology Action Committee will meet next Thursday, February 19 in Doremus Hall from 12 to 2 p.m. In the interim the committees will be meeting to carry out their jobs of Research, Publicity, and Action. For information contact the following: Research: Peter Wilcox, 927-9304 or Arthur Castle, 254-7926; Publicity: Steve Flier, phone 684-5261; Lecture series and April 16 Teach-in: Ruben or Professor Green, phone 584-5261 and 621-2576. For general information try Jean Stillman office, Goethals 106.

Pollution Summarized

Oceanography students are planning an "Environmental Teach-In at Sea" in connection with the National Environmental Teach-In on April 22nd. The University's vessel will be used as the teach-in site.

The preparations for the Environmental Teach-In is especially apt in face of the tugboat strike. Tugboats usually augment sanitation work by towing away sewage sludge.

Sludge usually towed out to sea is being dumped into the Hudson. The Army Engineering Corps has issued permits for dumping 5 million cubic yards of sewage sludge and 6 million tons of dredging spoils per year. The dumps are 5 miles off the American coast.

Sewage sludge is the semi-liquid residue from waste treatment plants. Dredging spoils are precipitated industrial wastes

dredged up to deepen commercial waterways.

Because of the toxic content of the dumped wastes, a dead sea, an area of some 20 square miles covering the seaward entrance to New York Harbor, has caused the FDA to recommend the closing of all shell fishing within six miles of the contaminated area. Affected areas are so impoverished of life that even pollution resistant organisms have disappeared.

200 G's For Center

The concern about environment pollution is not limited to this campus. The Williams College Center for Environmental Studies has been awarded a grant of \$200,000 by the Rockefeller Foundation to sustain and expand programs of the center for the next three to five years.

The Center for Environmental Studies was established by Williams College in October,

1967, as an interdisciplinary research and educational facility.

Professor Andrew J. W. Schefey, center director, said the grant will be used to support three major activities — undergraduate education, research, and the Berkshire Panel for the Public Environment.

Plans are in progress for a new undergraduate program in environmental studies which will enable students to take a balanced selection of courses in various departments while majoring in an established discipline. The center will coordinate the program and offer a sequence of core courses.

Research activities of the center will deal primarily with the metropolitan center where environmental stress occurs because of urban expansion. An example is Berkshire County in Massachusetts, where Williams

is located.

Teach-In Origin

The whole idea of the environmental teach-in started at the University of Michigan where a handful of students from the School of Natural Resources decided that any worthwhile teach-in would necessitate mass involvement. The teach-in is fast becoming a national movement. The three co-chairmen are Sen. Gaylord Nelson, Rep. Paul McCloskey, and Mr. Sydney Howe, representing the Upper House, the Lower House and the people, respectively.

Technological Front

Technology is also playing a part in the anti-pollution fight. Caltech and MIT are sponsoring the Coast-to-Coast Collegiate Clean Air Car Race. The race will be divided into three parts. The first will concentrate on short events which stress performance, safety, road hand-

ling and power system efficiency. The second will be a race touring Cambridge, Cleveland, Chicago, St. Louis, Oklahoma City, Albuquerque, and Pasadena. The final part will be emissions measurements. Prof. Richard Thornton, (M.I.T., Room 13-3005, Cambridge, Mass. 02139) is handling information on rules and procedures in the east.

Pollution is an effect and a cause. The high rate of consumption in the U.S. has sparked an explosion in research and development of waste treatment. There are 286 billion gallons of wastewater produced each day in the United States. Twenty-six billion gallons of this water are the product of personal use, the remaining 260 billion gallons come from industry. Increasing population and growing industrialization will produce even more waste water, skyrocketing the need for polyelectrolytes in sewage treatment.

Polyelectrolytes are currently used primarily for sludge conditioning to accelerate dewatering by vacuum filtration. Major secondary uses include clarification of primary effluents prior to biological treatment, centrifugation for sludge dewatering, sludge concentration in pressure flotation, and water evaporation acceleration in sludge driving beds.

When employed as coagulant aids, polyelectrolytes are quite effective in decreasing the time required for floc formation; increasing the size, density, and toughness of the flocs; extending the effective range of pH; and separating waste constituents that would otherwise have passed through.

Most sewage treatment plants which use polyelectrolytes are located in the midwestern and eastern Middle Atlantic states, those sections of the country most strenuously combatting water pollution.

The present problem of overloaded plant facilities can be overcome by building new facilities at great costs, or by increasing the efficiency of the existing plants by using polyelectrolytes as new flocculants and coagulants. Dr. I. A. Eldib, Engineering and Research, of expert on water pollution control, sees the principal rise in polyelectrolyte usage in the next four years resulting from the adoption of these polyelectrolytes by sewage treatment plants not using them at this time.

International Fight

Pollution can sometimes be international problems. The first great oil transport disaster involved the American owned Liberian oil tanker Terry Canyon wrecked on English rocks and polluting French beaches. There are, of course, pollutants other than oil. A recent report by the American-Canadian International Joint Commission on the pollution of Lakes Erie, Ontario, and St. Lawrence, says the phosphates in household detergents are causing the superabundance of nutrients which cause a proliferation of flora. This eutrophication has caused the unbalancing of the balance of nature. The very active Canadian anti-pollution program has already taken a step to elevate this problem. Resources

(Continued on Page 8)

RCA On Campus Interviews

for Engineering
Rotational Programs or
Direct Assignments
February 26

BS and MS candidates in Engineering: interview RCA, on campus, for our Engineering Rotational Programs, Manufacturing Management Development Program or Direct Assignments in the area of your skills. Openings are in Research, Design, Development, Manufacturing Engineering, or Materials Management.

See your placement officer to arrange an interview with the RCA Representative. Or write to RCA College Relations, Dept. ERP, Building 205-1, Camden, New Jersey 08101. We are an equal opportunity employer.

RCA

Five on the Black Hand Side

Edward White is a new Black member of the staff. —ed.

By ERIC WHITE

Brother Charles Russell, one of our energetic counselors on the Seek Staff has produced what I would call a play within a play. It is called "Five on the Black Hand Side" and it has all the ingredients that make a boss black production work and more. Russell adds a new touch of comedy to Black Theater in that he keeps the audiences laughing throughout, but for each line of laughter there is a kernel relevance to situations as they now exist.

The play is most applicable to black audiences because it brings out the importance of black unity by showing a cross section of ourselves in action. Black awareness is the important thing nowadays and each of us has our own level of awareness. Though careful selection of characters in the writing of the play, Russell portrays these levels of black awareness through the use of a black family.

The play concerns itself with Mrs. Brooks, a pleasant black housewife who rebels against her husband's domineering treatment. The couple have three children: Gideon, Booker T. and Gail. Mr. Brooks is the type of father who feels that his way is the right way and there is no other but his way. This causes Booker T. to leave home and Gideon to sleep on the roof. Gideon is a college student who brings light to his mother's way of thinking. He seems to be a political nationalist who typifies attitudes and strengths of thinking black students. Booker T. starts out by being a plastic Negro, Sleeping White and riffing Black Power. But as the play goes on, he becomes a character with respect for his mother therefore for all sisters.

In the first scene Mrs. Brooks

is prepared for battle by her two friends Ruby and Stormy Monday. Stormy Monday is a young Black woman who wears a natural but is distrustful of black men. Ruby on the other hand is a middle-aged type black woman who likes to eat, gossip and is kind of fat. With these two friends and Gideon by her side, Mrs. Brooks opens up a guerilla-type campaign of resistance against her husband which is climaxed by her wearing a natural, taking to the roof and presenting him with demands. By opposing Mr. Brooks, Mrs. Brooks opens her husband's mind and makes him listen to what others have to say. He changes from a bourgeois middle class businessman to a person who has more understanding of himself and of the times.

Incidental to the main action but definitely related to it is Mr. Brooks' insistence that no women be allowed in the barbershop. The barbershop in the black community has always



Faculty Playwrite

been something like a men's social club through which cross-section of life pass. The barbershop scene is used as a vehicle in the play to bring out the folklore of the black community. This is Brother Russell's best scene because it displays most effectively his primary strength,

which is the handling of black language. There are many attitudes and feelings brought out in this scene by people like, Sweetmeat the shoeshine man, who is representative of a jive time cat who is still living in the 1940's, Slim, a young brother in business who shows some awareness of what conditions are really like, Rolls Royce an elevator and numbers operator, who could be a great Wall Street broker because of his ease with numbers, Foo Loving, who is a super-cool pimp, and the junkies who show that they have the potential of being good businessmen, if they hadn't been victims of a crushing society. This scene allows Russell the freedom he needs to bring out some qualities of Negro folk as well as to give the actors more freedom of movement.

The play was directed by Barbara Ann Teer, who I think deserves recognition for a job well done. The actors themselves came across beautifully in the parts each portrayed, especially Mrs. Brooks played by Clarice Taylor and Mr. Brooks played by L. Errol Jaye. The cast was made up of a good selection of professional and non-professional actors.

In the final analysis I think that the play was out of sight and that all of us Black Folk should get out and see "Five On The Black Hand Side" at the American Place Theatre. If you miss it you'll be missing more than just a good thing.

Power

Student for Attorney General

(Continued from Page 1)
decisions and over which they have no control. The program should be controlled by the stu-

dents. It should be a tool which they should utilize to educate, organize, and politicize the community."

Padilla explained that the purpose of the campaign is to provide an alternative to the Republican and Democratic Parties, which are as he asserts, two sides of the same coin. In addition, the campaign serves as a vehicle for orienting the voting public about the platforms and policies of the SWP, in which Padilla believes the future of all Third World peoples lies.

In reference to the anti-war movement, Padilla pointed out the fact Third World people are the ones most hard hit by the War in Vietnam and stressed the importance of their participation in this movement. The other major slogans of the campaign are "Bring all the troops home now" and "Fight for Women's Liberation."

One major activity of the campaign in the coming month will be a series of tours of the City and State, including several talks which Padilla will be delivering on the different campuses around New York. His visit to City College is tentatively scheduled for the end of February or the beginning of March.

Padilla urges all those who would like further information to contact him at the New York State Socialist Workers Campaign Committee at 873 Broadway, New York, N.Y. 10003. Telephone number 477-8950.



Miguel Padilla

PEOPLE'S MEETING

at

C.C.N.Y.

The Black Panther Party

The Young Lords Organization

Rising Up Angry

FREE THE PANTHER 21

Wed., February 18

11:00-3:00 P.M.

Finley Grand Ballroom

Apologic Editor

In last weeks issue of TECH NEWS (Vol. 31 No. 1) the lead article on the Student involvement within the Black Revolution Course, offered by the Department of Urban and Ethnic Studies, went to press before having certain clarifications made. The course above named, as well as that entitled Ethnic Leaders, will be taught by Miss Ann Webb, a lecturer in the department. There will be a high degree of student participation, by dint of in class discussions and consultation with Prof. Osborne Scott, chairman of the department. These conferences revealed that student participation in research and execution of the curricula would make the courses of a greater educational value.

The outline given for the B.R. course was a sketch drawn up during in class discussions as suggestive format for study. That was not the final outline and curriculum of the course. The final course outline will be given to the students upon approval by Prof. Scott. The student role will be that of making proposals for course content. Prof. Scott was very impressed with the level of class activity and said that he was looking forward to working on the final outline, which will be submitted by Miss Webb who is working closely with students.

Students will supply a great deal of the source material, including records, tapes, films (when available), and speakers. The guest speakers will be invited upon approval by Miss Webb and the Chairman.

The crux of this amendment is that Black Revolution and Ethnic Leaders will not be taught by the students, but with the full cooperation and incentive of the students as an integral part of the respective course operations.

— Paul B. Simms

BARNES & NOBLE

New York's Largest Textbook Center

OFFERS STUDENTS—

- **UNMATCHED SAVINGS**
on used textbooks
- **TOP CASH** for current resalable textbooks — even those discontinued at your college
- **WIDE SELECTION**
from a stock of over a million used and new college textbooks
- **FREE** bookcovers and bookmarks

BARNES & NOBLE, Inc.

Publisher of the famed student study aids:

COLLEGE OUTLINE SERIES
BOOK NOTES • KEYNOTES

105 Fifth Ave. at 18th St., N.Y., N.Y. 10003

TECH NEWS

ROOM 337 FINLEY STUDENT CENTER
THE CITY COLLEGE
NEW YORK 10031
ADirondack 4-6500

editor-in-chief / MING MAR

managing editor / PAUL SIMMS

associate editor / MICHAEL MARKOVITZ

north campus news editor / IVAN VOYTICZKI

south campus news editor / LOUIS RIVERA

contributing editors / JONATHAN BRAUN

ZVI LOWENTHAL



STAFF / morris k. bayer, steve beren, mike berlin, joudon m. ford,
raymond l. frost, jeff maas, ernest marshall, sam nance, bob schwartz,
mirta vidal.

FACULTY ADVISOR / harry soodak.

Classified

Staten Island is a mapmaker's conspiracy. — Marky

Jenny —
Everytime it rains I think of you —
drip, drip, drip. — Marc.

Renee K.
I'm available for you (HAPPY)
Birthday Present. What do you say? — Phil

I'm not cheating on tests anymore . . .
. . . than I used to.

Wanted: Girl partner to complete photography assignments. Must be uninhibited. —ed.

John —
I've been cutting your speech classes . . . but I didn't miss any. —Livia

Wanted: Girls. Experience preferred. If none, will train. TN Box 1. —MCCALL GIRL SERVICE

Lil.—
ICURAQT —Ken

Puss —
Everytime you bend down I straighten up. —Dick

Steam: Water crazy with heat.

Flirt: The girl who got the guy you tried to get.

A green little Chem. E.,
On a green little day,
Mixed green little chemicals,
In a green little way.
The green little grasses,
Now tenderly wave,
O'er the green little Chem. E.'s
Green little grave.
—M.E., C.E., E.E., Comp. Sci.

Every day we breath oxygen. —Bio Med option

Every nite we breath nitrogen. —Poli. Sci. major

Harvey of 18 Cummings—
Come pick up your refund. Next Monday. —ed.

Susan Gdolu:
When are you going to return my math notes? —Charlie

Zvi:
Get in touch with me at AC 2-9740.
I want to arrange meeting for briefing.
Will serve as Acting Business Manager until replacement found. —Ming

Sewer and gutter men:
Join TECH NEWS

Dear Crossword Fans:
We will print crossword answer and errata sheet as soon as we can find the solution. Somebody took it from our current file. —ed.

Notices

WNYC American Music Festival, Friday, February 20th, 1970, at 4 p.m. in Donnell Library (20 West 53rd Street, off 5th Avenue). Admission is free.

The political science department curriculum committee is seeking suggestions for new courses, or course revisions from the student body. Anyone who has suggestions should describe these proposed changes in a letter addressed to The Curriculum Committee. Please present these letters to the departmental secretary, to be placed in the student-faculty mailbox.

Physics Colloquium. Professor R. Friedberg, of Columbia University will speak on "The Status of Hidden Variables." Shepard Hall, Room 126. Refreshments at 3:30 in Shepard Hall, Room 113 February 11th, 1970.

(Continued on Page 5)

ALL THAT GLITTERS

Registration

By IVAN VOYTICZKI

My first encounter with City College occurred on a cold December eve. I left the warm protectings of my home for what was billed as an all important aptitude test which might determine the future of my academic career. As I froze my chops off coming up St. Nicholas Park, I had a feeling that my academic career would be more impeded by the pneumonia that I was about to catch than by my absenteeism from the test. Nevertheless I did not turn around and return home. I entered Shepard and went up to the Great Hall.

Great Hall is a huge auditorium the size of a football field. It is very impressive. But as I looked towards the small group of students in the front straining to hear the instructor's barely audible words I got an eery feeling. All that crap that I had heard about students being turned into nine digit numbers at college suddenly became a realization to me in that huge, almost empty auditorium. I can't describe it exactly. All I can say is I had a feeling that I might be disappointed with City College. Of course you are wondering what significance this little story has.

The point is that my first impression of City College was not a favorable one. But as I always say, first impressions can't really be trusted. So I went about my merry way preparing to become a member of the highest level of institutionalized learning known to mankind — the college. Convinced that my initial indifference to the college was unique unto myself, I decided to shrug off my ill-attitude and return upon another day.

"On September 13 you will proceed to report for registration in the Great Hall in the Edwin N. Shepard building." Thus came registration; and G-d looked upon it and G-d said it was bad. Boy was it bad.

Definition: Registration. A process by which students at City College are thoroughly screwed up and left in a state of semi-coma. Syn. Torture.

"At City College most students do not join a fraternity and thus are not made to go through a hazing process by which they are demeaned, humiliated, and slighted. Thus in order to deprive them of their basic human rights and even their basic animal rights we have created registration. Its purpose is to effect upon the students of this University a mild migrain headache and nausea. Aspirins are available at the bursar's at the rate of five dollars each." That's my little contribution to the CCNY catalogue in order to make it easier on incoming students. Of course a better way would be to improve registration but that's thought for another column.

What I want to talk about here is how impossible it is to attempt to improve something at CCNY. City College is financially, scholastically, and architecturally mismanaged. Not only is it impossible to change something around here but we can't even find out who's responsible for the present mess we're in. Let me demonstrate:

"Teacher, why is City College being mismanaged?"

"I don't know. Go ask Copeland. He's in charge here."

"President Copeland, why is City College being mismanaged?"

"I don't know. I just work here for the Board of Higher Education. Go ask them."

"Board of Higher Education, why is City College being mismanaged?"

"We don't know. Our boss is Lindsay. Ask him."

"Mayor Lindsay, why is City College being mismanaged?"

"I don't know, I just work for the people. Ask them."

"People, why is City College being mismanaged?"

"We don't know. Ask Copeland. He's in charge there."

And so round and round the blame goes, like a whirlpool. Submerging and asphyviating anyone and everyone it touches.

It would appear that if the word City were not in the name of this college someone would have to think of adding it because whoever does run this place must be taking lessons from the MTA and the Housing Administration. Right now the College is being run like everything else in the city — straight into the ground. Unless we find out who's pulling the strings around here and make him (or them)

(Continued on Page 6)

Environmental Pollution

All people were worried about was water pollution. That was back when we were in grade school. Now we are in college, and people aren't worrying about water pollution. They're worrying about air, food, noise, street, thermal, and water pollution. In the last decade, next to nothing has been done in an attempt to alleviate the problems of environmental pollution. It will soon be too late.

Environmental. In the good old days, we were able to single out the problem. Now we use an all encompassing term. Every form of self poison is now inter-related. Any chance of a victory in the battle against pollution will come only from a coordinated attack on all fronts.

Like Midas, we find ourselves in a most horrible situation. Our technological golden touch has given us everything we want. It has also destroyed our hopes, our homes, and our lives. Two solutions present themselves to us. The first is to remove technology from society. The second is to use technology. We choose the second. Technology has never had any will of its own. It is we who have provided the ill-will. It is we who have misused technology. It is from our will that we suffer. If we become conscious to the fact that we are ultimately responsible we can start purifying our environment. The National Environmental Teach-In on April 22nd is our first step.

Clandestine Pretender

The Word, a mimeographed "newspaper" calling for the end (sic) of the regular papers, made its first appearance during registration week — the eleventh hour of the newspaper controversy. The clandestine SS backed pretender to the fourth estate, flaunting the NYU emblem, came out in a limited edition of 1200 copies. It featured Student Senate manifestoes, Faculty Council minutes, and an article solicited from the Experimental College.

Hiding behind a skirt of anonymity (workers identifying themselves only as "THE STAFF"), The Word made several false charges. The most outrageous concerned the cost of printing. For The Word to print on the magnitude TECH NEWS does, the former would have to pay twice as much as the latter instead of the 32 to 500 ratio the former alleges. Since money was the big reason given for the Senate attempt to kill TECH NEWS, a mimeographed newspaper would be out of the question.

Of a more important nature, the question arises: Where did The Word get the money to print? It is not a chartered organization. Did the SS give it any funds? Misappropriation is grounds for impeachment. The latest on the grapevine is that Educational Vice-President Neils Rand and his staff wrote The Word and that funds used to print the paper came from the Educational Affairs budget. A little light on the matter would be more than welcomed.

Tech News On Equal Time

In an attempt to understand the nature of group dynamics; within the belief that the several groups on campus have the right to accreditize their principles, we at TECH NEWS present a column entitled "Equal Time." This column does not necessarily reflect the views of our own staff; but it does reflect our recognition of the necessity to acknowledge.

(Continued on Page 6)

NOTES FROM A CREMATION URN

By MING MAR

The reorganization of TECH NEWS was brought about in an effort to increase the efficiency of the TECH NEWS team. The new posts created are the North Campus News Editor and the South Campus News Editor. The men who fill these positions are ethnically suited for their work.

Ivan is an engineer. He has typical North Campus attitudes. His area of news concentration will be Greater North Campus (including the off-campus professional schools of engineering and architecture).

Louise is working for his B.A. His views are indigenous of the South Campus. He will specialize in news of Greater South Campus (including beyond-the-barrier Klapper Hall).

Doubtlessly, there will be overlappings and voids in news coverage. Hopefully, all problems will be solved.

Most students believe that any organization supported by student fees must open its doors to all the students. The idea of discrimination is one we cannot accept. To be sure, there are campus organizations that cater to specific groups—JSU, Onyx, CSA, et al. — but as a rule there has never been any known case of exclusion by these clubs. There is, however, one exception. There is one campus organization that does discriminate. There is one organization that has made a policy of exclusion.

The Acting Vice-President of Campus Affairs has notified the Women's Liberation that he has received complaints of charter violation. His action was reluctant. He stated he would help them keep their charter. In spite of their sympathizers, we may well see the feds lib in mixed company within the near future.

TECHNOLOGY TODAY

By MING MAR

Members of the American Engineering Convention in Atlanta has just announced their approval of the AN/GPS-500 automatic reconnaissance aircraft. The 500 is a special adaptation of the Bell Telephone's AN/GPS-402. The basic components of the aircraft are a Master Control-Transmitter (MCT) and an Integrated Detector-receiver Airframe (IDA). The components come in three basic colors: midnight black, cloud white, and sun gold.

The receiver is a handsomely finished swing-wing ramjet with two radar domes and a resonating socket. The jet uses the "coca cola bottle" super-sonic streamlined design (sometimes known as the "Marilyn Monroe" design because of its narrowing at the waist feature). It has adjustable socket which permits the use of many different transmitters.

The Master Control-Transmitter has a less handsomely finished cabinet. It is more of a utility model with a radiating monopole that fits into the resonating socket. The antenna is fed through a 15 centimeter guide to twin electrolytic capacitors operated by a push-pull oscillating circuit. It is the MCT that controls the ramming procedures.

The versatility of the 500 lays in the fact that the equipment may be operated anywhere and the relative orientations/positions may be varied. Experienced operators state that efficiency increases with the number of variations tried. The receiver can interlock with the transmitter and thus provide firm support.

The site of installation is important for ease and efficiency in operation. The equipment should be resting on a soft surface. The novice sometimes confuses springiness with softness. Excessive springiness may cause spurious oscillations which disrupts the BFO — Beat Frequency Oscillations and may even cause premature transmission.

In preparing the equipment for operation, the operator is advised to manually check the dual radar domes while IDA warms up. To prepare the receiver for ramming, the operator pulls the throttle button located immediately forward of the resonating socket. Sometimes when IDA is not sufficiently warmed up, the throttle will not stay up. It

(Continued on Page 6)

Gripe Column

Gripes you want? Well, Gripes you'll get.

Here it is, the first week of the term and I registered for four courses that looked pretty appealing. In fact, I was excited about them. And then, I went to class. Why doesn't someone teach the teachers in this school how to **teach**? A person's education could be the most exciting, enjoyable, enthusiastic thing in his life. But instead, I sit in class with my chin in hand and sleep, or doodle in the margins.

I think it can be said that the instructors in this school have the knowledge to teach their courses. They just don't come across. This school's faculty and administration are perplexed as to why there has been such a drastic increase in cutting. If they look in the mirror they might find the answer. If they can't get excited about what they are saying, how can they expect the people they are talking to to become enthusiastic? Why should we attend classes where our desire to learn is impaired by our ability to stay awake? And for those who find their classes unusually empty, let me remind them that certain instructors in this school find their classes unusually full.

I suggest that rather than punish students for cutting, this school institute a **mandatory** course for all instructors in classroom teaching methods.

Also, whatever happened to the UBE? Remember the Used Book Exchange? Remember there was a time when you could sell your old twelve dollar textbooks and get more than two dollars?

Whatever happened to it? Why doesn't the Student Senate stop ego tripping with itself and realize it has a responsibility to see that certain institutions necessary to the student body don't just die out?

At this point I'd rather have a UBE than a Student Senate.

This school is no rich kids' resort. The students at CCNY can not afford to be exploited by two bookstores which hold a monopoly on the price of books.

But if the students in this college don't protest and don't take measures to change this condition, then they deserve what they get, or should I say lose?

—R. J.

Notices

Basketball. CCNY vs. Queens, Wingate Gymnasium. 8 p.m. February 12th, 1970. Free.

Lecture on Mass Spectrometry. Mr. Jack Landis will speak on "Ionization Methods; Vacuum Techniques; and Ion Beam Detection. Sponsored by Chemistry Department. Baskerville Hall, 2 p.m., Room 204. February 13th, 1970.

Slip Stick Burners
Join The Great One
TECH NEWS

EQUAL TIME

By WOMEN'S LIBERATION

JUST WHAT DO YOU WOMEN WANT ANYHOW?

What do we want, they always ask us . . . the men who are part of the problem and those who have it made or refuse to admit they haven't.

We want the freedom to determine the answer to this question; that's all.

All we know is that we are blocked . . . not able to be free, and kept in cages with economic and psychological walls.

We don't want to grow up playing house and told we can't be Superman or join Little League.

We see no fulfillment in that ideal American woman . . . Miss America. She is a dull ideal and something most of us can never be.

We want other role models for adulthood than just Mama, homemaker and wife. We want to create history ourselves and act in the world of thinking people.

AND WHAT DO WE WOMEN WANT ANYHOW?

We are tired of seeing women forced into service jobs they are told they will only hold temporarily anyway.

We are enraged at the systematically lower wages we are given . . . even when we have families to support and when we do the same work as men.

We regret that unions don't see fit to deal with us and our problems . . . even though we are the largest marginal and non-wage labor market in this nation.

We are sick of being treated as chattel . . . kept from knowledge of our own bodies by shadows of sin on sexuality.

We need to know about birth control; we need to know what damage so-called safe devices are doing to our bodies.

We are sick of the butchery committed on women by laws prohibiting safe, legal, and free abortions . . . 10,000 each year is far too many to see die at their own or someone else's hand.

We are especially angry at the racism that compounds the problem for Black and Brown women. Our tubes are tied and we suffer hemorrhaging, infection and death in "public" hospitals.

We need to break out of our prison-homes where we are isolated with our babies, bottles of Mr. Clean, roaches, rats, and houses often not fit to live in.

It should be society's responsibility to help us care for future generations. . . . We need free child-care facilities for all, just as we need release from the poverty of our lives.

We are tired of being pacified by myths of glorious motherhood and handy gadgets and fancy clothes . . . we need the real fulfillment of being part of a nation doing productive work . . . not exhausting, boring, and isolated labor.

AND WHAT DO YOU WOMEN WANT ANYHOW?

It is not so simple as you might think. It is not enough to say we should get ourselves part-time jobs and join the church or PTA.

Many of us are forced to work at bad jobs by economic necessity . . . but the unemployment rate is now 4%. Where are there jobs for us all?

The opportunities open to us are not fulfilling . . . it is perhaps better to stay home than to type all day or sit in front of a textile machine for someone else's profit and meager wages for us. If we work, who will care for our kids? We cannot afford babysitters.

Most jobs in this country are not useful or productive anyway . . . so when we get the dregs of the dreg, why bother?

AND WHAT DO WE WOMEN WANT ANYHOW?

Our freedom . . . our liberation . . . but it can only come through a transformation of social structure and relationships . . . no one group can be free while another is still held in bonds.

More equal time . . .

(Continued from Page 4)

knowledge the existence of and the respect for individual points of view. Our readers are free to ridicule or defend whatever is expressed.

It is our conviction that a column such as, "Equal Time," will afford the entire student body a better insight into the workings, efforts, and basic tenets of its various segments. We believe that clarity, in terms of what the nature of a particular group is, serves the best intellectual and academic interests of all students.

We welcome comments, appraisals and criticisms. We welcome participants, but it must be pointed out that the ultimate determinant for this column's longevity is up to each and every one of those organizations. Women's Liberation has the floor this week.

More glittering . . .

(Continued from Page 4)

wise to the fact that things are not all right, the College hasn't too long to go.

I'm going to be trying to point out some of the things that I see wrong at City College. If I have any suggestions to correct the faults — I'll mention them. If not, I'll presume that they're unsolvable and write them up to the lessons of life at City College; a life that is not too good and that is being made more and more impossible every day because of stupidity. Who's stupidity? I don't know. Go ask Copeland, he runs things around here.

More technology . . .

(Continued from Page 5)

may take several tries for the operator to keep the button up. If the detector-receiver emits a low moan, excellent operation is assured. The MCT is then secured and socketed. When the receiver begins to vibrate, the Master Control may then start the ramming transmission.

Some operators give IDA a dry run with a dummy monopole, but this is not a reliable test. Transmitter operation into a hand load is strictly forbidden as this kind of operation leads invariably into antenna overload exceeding the working voltage of the capacitors thus causing electrolyte to be spurted on the monopole.

The distinguishing feature of the AN/GPS-500 is its mode of operation. Unlike the majority of radar detectors, the BFO is continuously variable over a wide range. In optimum performance, the BFO varies gradually, starting at a low frequency, increasing slowly, decreasing again, and going through several cycles of increasing and decreasing BFO. During this time, if IDA is reacting properly, the resonating socket will become highly receptive to the transmitting monopole.

IDA is equipped with a plastic dust cover fused to the socket opening. This is sometimes removed by the "Doc" in the body shop. Because the dust cover is easily destroyed, most operators break it by merely poking a finger thru it. Although IDAs have come out only fairly recently, their popularity is so great, over half have already had their covers removed.

A common mistake on the part of the inexperienced operator is to start the transmitter off at too high a BFO. Entirely apart from the strain on the mechanism, this type of operation is inadvisable because it many times results in precipitative transmission. Repeated strains of this sort will generally result in the complete breakdown of the receiver. After such a breakdown, the receiver will never respond properly to that particular transmitter.

In proper operation, the cyclical variation of the BFO will generally rise to a tremendous peak-to-peak crescendo. At this time, a transmitted pulse of about 10 kilowatts is generated, the radiating element arcs over and various parts of both the MCT and IDA become IR incandescent. The infra red radiation cools off the 500 very slowly. A special refrigeration unit cover the skin with an evaporating coolant.

One of the most frequent causes of set failure is that at this point is: the tendency of the exhausted operator to go to sleep without turning off the receiver. This causes IDA to blow several fuses and may cause violent erratic motions that damage the base of the transmitter and/or both of the electrolytic capacitors.

Sikorsky Aircraft

REPRESENTATIVES WILL BE ON CAMPUS TO GIVE
SENIORS AND GRADUATES COMPLETE DETAILS ON

ENGINEERING OPPORTUNITIES

WITH THE PIONEER AND LEADING MANUFACTURER OF VTOL AIRCRAFT

See your College Placement Office now for an appointment on:

WEDNESDAY, FEB. 18

SIKORSKY AIRCRAFT, Stratford, Conn. • Division of United Aircraft Corp. • An Equal Opportunity Employer

"IN MOTION"

College and Grad Mixer

(NYU, Queens, Hofstra, St. John's, Brooklyn Law, CCNY)

Friday, February 13, 1970, 9 P.M.

featuring

"THE CHAIN GANG"

Due to the overwhelming success of recent mixers, we are once again "In Motion" at

RIPPLES

166-11 Powells Cove Boulevard — Whitestone, N. Y. — TU 6-0100

Tie & Jacket — No Slacks — \$3.00 — 20 and Over — Double Proof Required
Cross Island Parkway from Southern State or Throgs Neck Bridge to Utopia Parkway. Turn East — Turn Right for two blocks to 166th Street, Right again to Powells Cove Boulevard and Right again to "Ripples."

Truth is, it would be comparatively easy.

But we want somebody with more than a pat answer for everything.

We need electrical engineers, physicists, mathematicians and systems analysts who can think creatively and speak their minds.

People who can think logically about solving communications, radar or information systems problems for the defense of the free world. Or technical men who can think creatively about solving problems in air traffic control or urban mass transportation systems.

You won't find any yes men coming up with the answers to these complex problems.

Get in touch with us.

A robot couldn't do the job we have in mind.

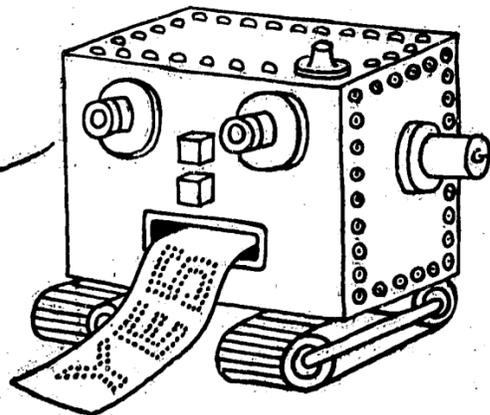
Interviews will be conducted on campus

Sign up now at the placement office Or write for more information:
Mr. F.O. Brown, The MITRE Corporation, 4000 Middlesex Tpke., Bedford, Mass. 01730

THE
MITRE
CORPORATION

An equal opportunity employer

**If we want a robot who answers
"yes" all the time, we'll build one.**



**BOARD OF HIGHER EDUCATION
535 EAST 80th STREET
NEW YORK, NEW YORK**

Gentlemen:

We, the undersigned, feel that a wrong has been committed against the instructional staff of the City College of the City University of New York.

We, the students and faculty of the College, demand the reinstatement of Prof. Jay Schulman of the Department of Sociology.

(Name) _____

(Address) _____

The Mail

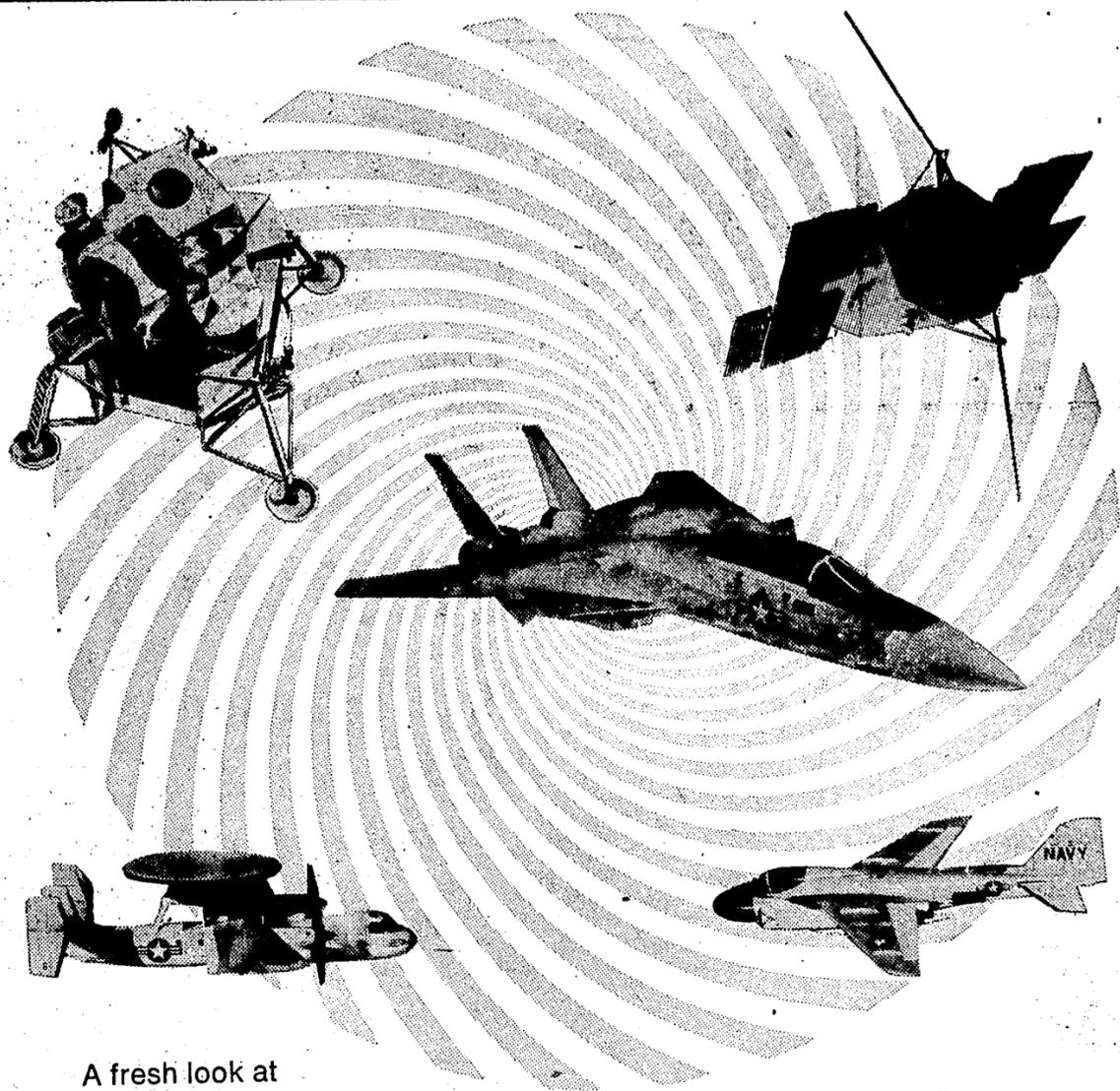
To the Editor:

I would like to comment briefly on your editorial in TECH NEWS (Vol. 31, No. 1) published last week. Although I find certain points of agreement, I feel there are a few more points worth reconsideration.

In regard to the Department of Urban and Ethnic Studies, there is a rampant question of its effectiveness in dealing with the critical needs in the area of human resources. We must first remember that the department is embryonic. I do not feel that it is responsible to demand that the department be one of outstanding caliber at the outset of its existence. There is an infinity of room for development. In my associations with the department and its chairman in particular, I have found him extremely receptive to input. Of course, he has not accepted every suggestion, which I feel is a correct stand. If there is a particular issue which students and/or faculty feel is of intrinsic importance to the area of human resources, then under the doctrine of constructive criticism and objectivity, an intensive effort should be made to make that point clear. If and when opposition is encountered, investigation should be made to pinpoint the true stumbling blocks inside or outside the department. Epithets should not be hurled; students should reject subjectivism and engage in arduous struggle in the forefront and behind the lines.

In regard to the reactionary administration, we must use every resource, on and off campus to expose the true nature of oppression in our educational sphere. We all know that Rockefeller, the BHE, Dr. Copeland and their running dogs wish to see the UES department die. It is the students' responsibility to see that it is not killed. It can only be done by revolutionary pragmatism, arduous struggle, and some common sense. We must stop emotional counter-revolution and begin to determine who our present and potential allies are. The Department is in our hands.

Name Withheld
By Request



A fresh look at

The technology of moving things

That's right! Grumman's real business is the technology of moving things... men and machines in purposeful patterns within a great diversity of origins, destinations and tactical situations. Speed is often, but not always, the answer. Performance reliability—in spite of many interfaces—is the thing.

In close-in combat "dog fights"—an aircraft with speed, maneuverability and armaments... the F-14 Air Superiority Fighter.

In lunar exploration—The Lunar Module which successfully landed the astronauts on the moon.

In areas of enemy activity—an aircraft with track and search radar that can locate, identify and lock on to the target, even in zero visibility... the A6A Intruder, and advanced versions.

In early warning emergencies—an aircraft that can extend the eyes and ears of a Navy task force at sea through radar and computers that alert interceptor aircraft to impending enemy attacks... the E2A Hawkeye, and advanced versions.

Far above the earth, a satellite that can discover more about the evolution of the universe... the Orbiting Astronomical Observatory.

Add Deep Submersibles, Hydrofoil seacraft, High-speed Ground Transportation systems, Corporate aircraft and Lunar Surface vehicles, and you get some idea of how Grumman is extending the perimeters of the technology of moving things.

At Grumman the opportunity for moving is presented in abundance to Physics, Aero, Civil, Mechanical, Electrical/Electronic, Chemical, Industrial Engineering or Technology Majors determined to find the right vehicle for their careers.

Grumman Representatives will be

To obtain Grumman Literature and arrange an on-campus interview, contact your College Placement Office. If an on-campus interview is not convenient, send comprehensive resume to Mr. Richard N. Haug, Manager, College Relations/Recruitment, Dept. GR-251.



GRUMMAN
AEROSPACE CORPORATION
Bethpage • Long Island • New York

An Equal Opportunity Employer (M/F)

Increased Fresh Level Indicates Lot More Coming

A total of 7,750,000 students, an increase of about 3.3%, were enrolled last fall in the nation's colleges and universities, according to Dr. Garland G. Parker, University of Cincinnati vice provost for admissions and records and a national authority on collegiate enrollments.

As harbingers of future total enrollments, incoming freshmen numbers are always significant. Dr. Parker estimates that there are nearly one million freshmen, an increase of almost 4%, in the four-year accredited colleges and universities and their affiliated two-year units.

"With the apparent softening of the Viet Nam situation and the consequent easing of the military draft pressure, we can expect a resurgence of graduate and professional enrollments next year," Dr. Parker said.

And, he added, "the burgeoning two-year colleges will provide even more students at the upper division level for the four year schools and senior colleges to accommodate in years ahead."

Programs for recruiting disadvantaged students, especially blacks, and the continued demand for trained people also account for some enrollment rises, he reported.

"Population data, along with buoyant social and economic pressures, indicate that colleges and universities will continue to need increasing support in terms of facilities, faculty, and finance in the decade of the 70's."

Environmental Pollution

(Continued from Page 2)

Minister J. J. Greene announced that Federal regulations to control phosphate content of detergents will come into effect "not later than this summer" and will develop into a complete ban in perhaps three years. Manufacturers wanted the taxpayers to build plants to remove phosphates from sewage but that would be too expensive. Detergent companies are already working to find an acceptable substitute for phosphate, perhaps nitrogen. Greene said the regulations would just make them work harder.

But not all governments are so friendly to their subjects. A recent article in the *New York Times* described how the Department of Agriculture sprayed the Tonto National Forest area near Globe, Arizona to increase the water runoff for the Salt River irrigation project. The forest rangers' spraying herbicides (the kind used for military defoliation in Vietnam) was intended to reduce the absorption of water by the plants in that area and let the water run into a reservoir for farming around Phoenix. After the spraying, goats in the area showed births giving 60% in dead or deformed babies. People began to suffer from respiratory ailments, chest pains, swelling feet, and miscarriages. Presidential Science Adviser Dr. Lee DuBrige banned the use of those particular defoliants in populated areas.

MING MAR

Faculty Senate Investigates Schulman Controversy

(Continued from Page 1)
mendation for no contract by a vote of 4-3, with Acting President Copeland voting in the minority.

5. Acting President Copeland, ignoring the sentiments of the Faculty Senate, the members of the Sociology Department, and his own committee, reversed the decision of the Committee which he chaired and sent a letter to Prof. Schulman dated January 23 wherein he informed Schulman that his contract was to be terminated as of August 31, 1970, on grounds that there was "substantial question as to your suitability for our faculty."

6. The Sociology Department voted to support the recommendations of the P&B Committee and to emphatically condemn President Copeland's breach of academic freedom in using the minority opinion of the Department P & B Committee to mask political action. The vote of this body was 7-0-2.

7. Throughout the decisions



Prof. Bellush

and discussions of the President's Review Committee, there was never any attempt to inform Prof. Schulman why his contract would not be renewed for the fall of 1970.

As Prof. Schulman explains it, "Although Copeland is dismissing me because of his feeling that I represent a potential

threat to the college, he does not have to say that. He couldn't prove it under any circumstances. He coaches his letter of termination of contract in terms of academic qualifications."

Schulman explained that he felt Copeland has nothing against him personally but that he is acting for the good and welfare of the College. "Joe (Copeland) thinks I am perfectly capable of counseling students to take over and burn down buildings."

When asked if President Copeland really thinks Schulman had something directly to do with last year's takeover, Schulman answered "Yes!" When he was asked if Copeland holds him responsible for the action last year Schulman again responded "Yes;" symbolically that is. Joe (Copeland) claims he has F.B.I. and Intelligence reports that say I counseled students to disruptive activities, but he doesn't have the evidence. If he did, he wouldn't be

trying to get me on academic incompetence!"

8. The Faculty Senate vote called upon President Copeland to rescind his action and if he fails to do so, the Board of Higher Education should take such action at the recommendation of the Faculty Senate. The Senate also voted to create a three man committee to hold a hearing on the matter following the guidelines of the American Association of University Professors concerning due process.

With regard to the suggested student faculty strike by the Student Senate, Prof. Bellush feels that since as a new President will be named sometime in the near future (i.e. before September 1, 1970), the faculty of the College will probably not endorse such an action, inasmuch as it would further alienate the Board of Higher Education and possibly lead to the appointment of a Chief Administrator even more "insensitive" than President Copeland.

RCA On Campus Interviews

for Computer Sales
and Systems

February 24 & 25

BS, BA and MBA candidates: interview RCA, on campus, for our Computer Sales and Systems Program. The Program consists of ten weeks of formal training at Cherry Hill, New Jersey that will provide you with a broad knowledge of the field of your choice — Sales or Systems — followed by an assignment at one of our field sales offices located throughout the United States. You will be working directly with the complete Spectra 70 family of computers which are highlighted by large-scale communications and time-sharing applications.

See your placement officer to arrange an interview. Or write to RCA College Relations, Dept. CSS, Building 205-1, Camden, N. J. 08101. We are an equal opportunity employer.

RCA