

# TECH NEWS



THE CITY COLLEGE

VOL. 30 — NO. 6

222

Thursday, November 20, 1969

## BHE VOTES YES

Seniors in every high school of New York City who are in the top half of their graduating classes or have earned academic averages of 80 percent or better will receive top consideration in allocation of freshman seats at the City University of New York next September under an open admissions plan proposed by Chancellor Albert H. Bowker on Monday and adopted unanimously today by the Board of Higher Education.

The university expects about 19,000 freshmen to be entering its senior colleges and some 17,000 new first-year students at its community colleges next September. Included in this estimate is a significant expansion of the university's SEEK program, providing remedial and supportive services for senior college students from poverty areas of the city.

According to board Chairman Frederick Burkhardt, "The plan represents a fair and practical solution that incorporates the best features of our present admissions system and the principal allocation criterion contained in the recent report of the university's special Commission on Admissions."

Under the new plan, which is subject to approval by the State Board of Regents, all June 1970 high school graduates will be classified into ten groups based upon percentile rank in their individual high school graduating classes or their overall high school grade averages. The highest of either criterion earned by each student will be used in assignment of his admissions group. The groupings will then be used by the university in de-



OPEN ADMISSIONS: Once hard fought, now a reality.

termining the priority to be given the individual student's choice of a college program.

Thus, based upon the university's estimate of incoming 1970 freshmen, all applicants who choose a senior college program as their first preference and are classified in the top five admission groups will be guaranteed admission to a CUNY senior college.

On the basis of the university's statistical estimates, high school graduates who are in the top half of their graduating classes or have earned a grade average of 80 percent or better will be placed in some CUNY senior college program if they have indicated that choice in their admissions application.

Combining academic grade averages and class ranking, according to the board, "will assure the choice of college and program to those admitted under past academic criteria who have excelled in previous high

school work," and "introduce a critically needed incentive for competitive academic effort within those high schools of the city from which relatively small numbers of students have previously been able to gain admissions as matriculants in the university."

High school graduates classified in the sixth through tenth groups "will have opportunities to attend programs in the community colleges which may lead to completion of the first two years of the baccalaureate program and automatic transfer to a senior college in their junior year; or they may choose to attend career-oriented programs," according to the board resolution.

Chancellor Bowker asserted, "The important consideration, which must be emphasized, is that every June 1970 graduate of a New York City high school who wants to attend City University will be admitted and be

given a genuine opportunity to advance toward a degree.

"The rate of a student's progress will partially be influenced by the remediation resources the university can bring to bear for those who have been denied adequate secondary school preparation. The overriding factor, however, will continue to be the individual student's motivation as measured by work, effort and performance. We are committed to enhancing, not eroding, the academic standards of this university. The board's plan provides the framework for accomplishing that objective."

The board plan calls for 2,500 SEEK freshmen next September an 85% increase over this year's entering SEEK enrollment. Noting this sharp increase, the board's policy statement asserted, "To do otherwise would be to make the community colleges into a second-track system to

(Continued on Page 4)

## New MIC

With \$15,000  
Foundation Grant  
To CCNY

The College's recently established marine microbial ecology laboratory has been awarded a \$15,000 grant by the Hyman B. Cantor Foundation for the purchase of a Zeiss Photomicroscope II.

The photomicroscope, which has only recently become available commercially in this country, is considered by many researchers to be the finest in the world, according to Professor John J. Lee, of the biology department, director of the marine laboratory. It is equipped with such features as built-in automatic cameras, an electric flash, special methods of illumination, and Nomarski interference contrast optics, which permit coloring of organisms, their inner structures and environment, without staining them.

The marine laboratory, which opened last November, is the first of several new oceanographic research facilities to be made available at the College. It is presently being utilized for research on water pollution problems in the Greater New York area and Long Island.

Mr. Hyman B. Cantor, President of the Carter Hotels Operating Corporation, is a well known amateur in the field of microbiology. A member of the American Society for Microbiology and the New York Microscopical Society, he has long taken an active interest in the microbiology of polluted waters.

## BUT FACULTY MAY OPPOSE . . .

The University Faculty Senate agreed to deliver a hard line on Open Admission to the Board of Higher Education by deciding to "reject" any additional students for September 1970 unless the University provides "adequate physical facilities and finances."

In preparation for a private meeting with the Board early this week in which the recommendations of the Admissions Commission were discussed, the Senate met in an emergency session to discuss the commission report.

The faculty body reaffirmed its support for an open admissions policy but decided to "reject the admission of a substantially larger freshman class" unless adequate facilities were provided.

"We will not do as we did in the past and let people walk Murray Hausknecht who served all over us," declared a Professor on the Admissions Commission. "We will not see the kids of New York City cheated once more by this goddam penny-pinching politics."

The Senate's resolution was based on a similar motion adopted by the Faculty Senate of City College which called for "the immediate expansion of our physical plant as a precondition to the admission of a substantially larger freshman class."

Both the City College faculty and the University Senate called upon the Board "to honor its commitment to quality education by initiating a crash program of renting, leasing, buying and constructing such additional

facilities as are needed to make an Open Admissions Policy educationally feasible."

The Faculty Senate in an informal vote decided to reject all three Commission proposals for the allocation of students, because they felt that inherent in these proposals was a "quota system" to which they were opposed.

Instead, they favored an allotment plan of a dissenting member of the Commission, Professor Harry Lustig of City College.

The Lustig plan for allocation provides for all students satisfying city-wide academic (such as an 82% grade average) criteria be admitted to the college of their choice, and that except for 10 per cent of the freshman class, all others be admitted on

the basis of class rank. That 10 percent would be admitted from those who do not fall under either category.

In contrast to the Lustig plan which emphasizes the present University policy of city wide academic criteria, all three proposals for allocation of students stressed that class rank should have first priority.

In supporting the Lustig plan, the University Senate decided against the recommendation of its own committee, headed by Professor Belle Zeller of Brooklyn College. That committee supported Proposal III of the Commission report which would choose the "major" portion of incoming freshmen on the basis of class rank, which would further reserve a "sufficient" number of seats in the SEEK program

to assure ethnic balance, and which also would save additional seats to insure that those previously eligible students will still be admitted.

In addition, the Senate committee endorsed that proposal on Restructuring of CUNY which recommends three groups of colleges be established: Comprehensive Colleges offering two and four year degrees, continuation of the senior colleges, and of two-year career, professional and technical colleges.

The faculty body requested the board not take action on restructuring until it could further study the matter.

The senate also voted to ask the board that under any allocation plan adopted, non-matriculated students be granted matriculation.

# TECH NEWS

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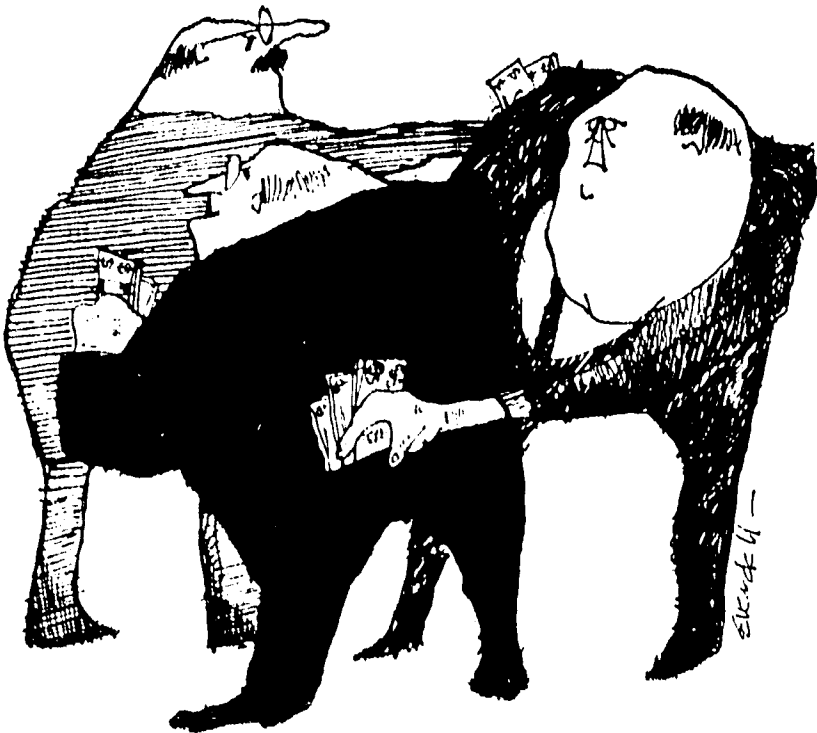
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Now that the elections are over, we pay our humble respects — in that thousand words (one picture) — to the men of politics.

## MICROCOSM 70 SENIOR PAGE

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NOVEMBER 25

REGISTER AT THE PLACEMENT OFFICE

## Classified

Dear Louise,  
Who brings out the woman in you —  
Kim or Larry?

The grass is always greener on the  
other side.

quarls-man cannot behold the face  
of the gorgon and live.

Mr. Wagner

SP is for special people  
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can this really be the age of Aquarius?

Peace Paix Shalom

Is Libby really liberated?

Ralph — come out of yourself!

Cindy, what are the odds . . . Ken

Dvora — the sky is green, the grass  
is blue.

Dec. 4, Dec. 4, Dec. 4, — Froethem  
NOW, Froethem NOW.

Arnold sez!

will ya . . . huh?  
(I need you desperately!)

Happy Birthday Norman

You too Sharon

Evie Doft you're one wonderful person  
— d.g.

Bill Bill don't shut us out.

Dec. 20th, 1969 Doomsday or F.A.E.D.

wanted: student to exchange program.  
Great for insomniacs — JSQR

Marcia and Phil  
7/8/67 — ad infinitum

Irene — you didn't play moo!

Slide rule burning at 9 p.m.  
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Munch: Thanks for the use of your  
body. Sis Bing '71

Beware a new era of McCarthyism!

Woman's liberation is for the free-  
of-mind and the flat-of-chest.  
The C Club of CCNY

## Notices

The Biomedical Engineering  
Society will present a speaker  
from Hewlett Packard on Thurs-  
day, December 4 in Compton 205  
at 12:10.

This week is Puerto Rican  
Culture Week. There will be  
speakers all week. Art exhibits  
in Buittenweisser.

The student-faculty committee  
of the Political Science Dept.  
would like suggestions for  
changes in the present curricu-  
lum placed in Prof. James' mail-  
box in room 220 Wagner.

## Also . . .

A master's degree program in  
computer sciences has been es-  
tablished at the College. The  
program, which began in Sep-  
tember, is intended for students  
who major in computer sciences,  
engineering, mathematics or the  
natural sciences.

Each candidate for the master  
of science degree will be re-  
quired to complete at least 30  
credits of graduate work while  
maintaining a "B" average. The  
curriculum has been designed  
to prepare students for doctoral  
work and professional careers  
in the rapidly expanding field of  
computer sciences. The master's  
program is the first to be offer-  
ed in the field by the City Uni-  
versity.

## Voice Of Tech

By JEFF STEIN

By now you've probably en-  
countered F.A.E.D., scribbled  
on some blackboard or in some  
school publication and you've  
probably tried to figure out what  
odd sounding mnemonic stands  
for. If you are a typical engi-  
neer, you probably don't give a  
damn.

F.A.E.D. is for engineers who  
"do" give a damn and for engi-  
neers who up until now have  
not. F.A.E.D. is for the engi-  
neer who has forgotten that life  
is more than six hours of class-  
es and six hours of studying a  
day. F.A.E.D. is the beginning  
of a social and cultural revolu-  
tion of the City College engi-  
neer.

As difficult as it may be to  
believe, F.A.E.D. is an "innova-  
tion" of Tech Council. Yes! Tech  
Council.

If the mere mention of Tech  
Council has turned you off, re-  
lax . . . this is not the Tech  
Council of old. This is the "new  
Tech Council." I'm sure you've  
just said to yourself: what the  
devil is "new" about Tech  
Council? I thought Tech Council  
was an exercise in parliamen-

tary procedures for engineers.  
Well, buddy, you're wrong.

Tech Council has been around  
for many years, and that has  
been Tech Council's problem.  
It has been around and not in-  
volved. We at Tech Council,  
with Steve Isaacs as the "new"  
president, feel it's about time  
we got involved. Involved in all  
matters concerning the engi-  
neers at CCNY. This brings us  
back to F.A.E.D.

F.A.E.D. is the beginning of  
Tech Council's involvement and  
hopefully it will not be the end.  
Under the new leadership, Tech  
Council hopes to become the  
mouthpiece of the engineering  
student body and it's about  
time!

Before you run off thinking  
that F.A.E.D. means free love in  
Steinman 207, let me assure you  
it does not. And, although we  
are attaching much significance  
to just one word we feel it's  
about time there was something  
of significance in the Engineer-  
ing School other than Castigli-  
ono's Theorem.

Oh, by the way, I never did  
tell you what the letters  
F.A.E.D. stands for . . .

## Sex And The Single Electron

Reprint from VECTOR

By MILLI AMP

One night when his charge  
was pretty high, Micro Farad  
decided to get himself a cute  
coil so that he could discharge.  
He picked up Milli Amp and  
took her for a ride on his mega  
cycle. They rode to the Sine  
Wave across the Wheatstone  
Bridge, and through a field by a  
flowing current.

He placed her at ground po-  
tential, raised her frequency,  
and lowered her resistance. Pull-  
ing out his high voltage probe,  
he inserted it into her socket,  
connecting them in series. He  
began to short circuit her shunt.  
Fully excited, Milli Amp started  
to saturate.

With his exciter operating at  
maximum efficiency and her  
coil operating from his current  
flow, she soon got her shunt hot  
and released some electrons.  
They fluxed all night trying  
various connections and sockets  
until his bar magnet lost all its  
fluid strength and disintegrated  
into a soft iron core. Afterwards,  
Milli Amp tried self induction  
and damaged her solenoid. With  
his battery fully discharged,  
Micro Farad was unable to ex-  
cite her transformer so they  
ended the night by reversing  
polarity and blowing each oth-  
er's fuses.



Though not an engineer in the scholastic sense, Milli  
Amp's thorough knowledge enables her to write with  
precision and obvious scientific objectivity.

Sick of Kissing Your Sliderule?  
Come to the F.A.E.D.

# "Whistle In The Dark"

By ZVI LOWENTHAL

Thomas Murphy's "A Whistle in the Dark" is a tough, serious, and well acted play about a family relationship that is filled with conflict and dissent and indubidubly doomed to collapse. It is an unnatural type of relationship with plenty of fighting, cursing, chair throwing, and beer drinking (as if it were going out of style). Consequently, we have a slightly unrealistic situation which somehow remains familiar and acceptable as if it were our next door family feud (that can be heard through the unplastered walls.

As the ruthless and insensible father, Stephen Elliott has taught his sons how to fight and stick together for revenge. Might makes right. Fighting is an identity to the sons and the father has rejoined them to re-energize their spirit, and assume his leadership in the clan.

Fresh off the boat from Ireland, Stephen Elliott and his youngest son, Tom Atkins, have come to his eldest son's home in suburban England to find Mr. Atkins a more respectable occupation than one gets back home. The rest of the sons, Charles Cioffi, Anthony Palmer, and Don Plumley, are a bunch of rogues, without steady jobs, without penetrable minds, unyielding and quick to react. Alvin Brown has directed them to claw and bite with less emotions and conviction than naturally possible.

Michael McGuire, the eldest son, is considered the intellect of the family because he has a wife, a steady job, refuses to make fighting his way of life, and the only good hearted member of the family. Continued battles for leadership and influence with his father, sets off heated arguments, coupled with some bottle breaking and wrestling that could be expected from kids, not adults.

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Steven Elliot, Dominoering Father.

Engineers Groove! Do They?  
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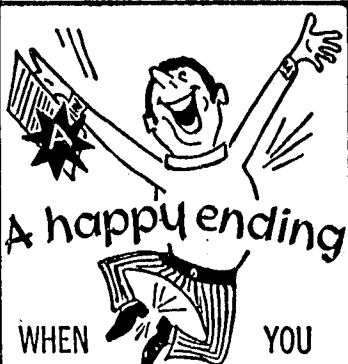
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# The Problem Is Space

(Continued from Page 1)

which the majority of Black and Puerto Rican students, who have not been adequately educated in the secondary schools, would be assigned. We emphatically reject any approach which would lead to de facto segregated institutions, either community colleges or senior colleges."

Chairman Burkhardt declared, "We sincerely hope that the plan we have adopted will unite the diverse interests, within and outside the university, so that we can get on with the urgent task of obtaining the necessary fiscal resources and physical facilities to make open admissions a reality in September of 1970."

Mr. Burkhardt described the \$35 million cost of implementing open admissions, included in CUNY's proposed 1970-71 operating budget, as "well within the fiscal capability of city and state government."

The board chairman said he was encouraged by the report of Deputy Chancellor Seymour C. Hyman on obtaining the necessary pace for increased freshmen enrollment on the university's campuses. Now under construction, under CUNY's present campus development program, is more than one million square feet of additional space scheduled for completion by next September. Another 1.7 million square feet, including some rental space, is expected to be ready for occupancy by September 1971.

Dr. Hyman, who is now working with City Real Estate Commissioner Ira Duchan to identify additional rental space for next fall, noted that the university's

Task Force on Open Admissions is also considering other space utilization possibilities including:

- stretching out daily class schedules to combine day and evening sessions and reach a high level of space use from early morning to late evening
  - adopting an annual trimester system
  - erection of temporary classroom facilities.
- "It is our clear intent," Dr. Hyman said, "to accomplish open admissions in 1970 without additional congestion of our already overburdened campus facilities. We should be able to maintain approximately the same ratio of space per student at a given time in 1970 as in

1969, then, as our building program accelerates, begin to achieve the space ratios not enjoyed by other institutions of higher education."

The classifications adopted by the board are:

Grade/Rank Groupings		
Percentile		
Group	Rank in H.S.	H.S. Average
I	Top tenth	90% or higher
II	2nd tenth	87.5%
III	3rd tenth	85.0%
IV	4th tenth	82.5%
V	5th tenth	80.0%
VI	6th tenth	77.5%
VII	7th tenth	75.0%
VIII	8th tenth	72.5%
IX	9th tenth	70.0%
X	Last tenth	Under 70%

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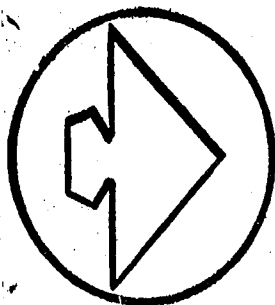
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Thursday	November 20	12:30 PM	5:30 PM
Friday	November 21	12:30 PM	5:30 PM
Saturday	November 22	1:00 PM	

##### DOWNTOWN

52 Broadway

(One block from Wall Street)

Tuesday	November 18	12:15 PM	
Wednesday	November 19	12:15 PM	
Thursday	November 20	12:15 PM	5:15 PM

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Room 522

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Tuesday	November 18	11:00 AM		5:00 PM
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Thursday	November 20	12:30 PM	2:30 PM	
Friday	November 21		2:30 PM	

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