



THE SCHOOL OF TECHNOLOGY

TECH NEWS

CITY COLLEGE OF NEW YORK

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222

BY STUDENT FEES

Yale Remodels Engineering Program

Part I

On November 6, 1961 Yale University revealed a plan for complete revision of its engineering department. The plan will close the ever widening gap between engineering and science. It is intended to make the modern engineer a "middle-man between science and society."

The new method, which is expected to be in operation within a year, will eliminate the undergraduate School of Engineering. At the same time it will change graduate study in engineering to a professional pattern much like that in use in law and medicine today.

Since the proposals came at a time of general reappraisal of the engineering education pro-

gram, the revised plan is expected to have national impact. Current criticism of engineering curricula seems to lie in two main divisions; firstly, lack of scientific background on the professional engineering level and secondly, lack of general knowledge in the liberal arts.

Under the plan, undergraduate engineering students will enroll in the Liberal Arts School of Yale University with engineering as their major. This will necessitate the formation of a new department in the School of Liberal Arts and Science, namely, the Department of Engineering and Applied Science. New courses to be offered are "applied mathematics" and "applied physics."

The major reason for the change is that at the completion of a four or five year engineering course the young engineer's knowledge is considered inadequate as a professional education. It is felt that a four or five year course should develop in the engineering student the basic fundamentals of his field which should act as "a solid foundation for future learning whether in future graduate work, formal on-the-job training, or in self-instruction."

The new graduate program will follow two parallel paths. One will stress research in engineering science or in applied science; the other will stress problem solving, system analysis or design, leading to professional engineering practice. It will be possible to attain one of four graduate degrees; Master of Science, Master of Engineering, Doctor of Philosophy or Doctor of Engineering. It is recommended that the latter be taken after many years of professional experience.

The plan describes scientists as "interested in knowledge per se," whereas engineers as "middlemen between the sciences and society" who must use scientific information and techniques with a social objective. This requires more than a sprinkling of social science or humanity courses. With the addition of five credits of free electives to the CCNY chemical engineering curriculum it seems that CCNY is also considering some of the above changes.

(Editor's note: In part II of this series on "Remodeling the Engineering Curriculum," TECH NEWS will present CCNY's opinions and need for remodeling the Engineering Curricula.

The Editor

Congratulations

Congratulations are in order to Miss Caryl Singer, Managing Editor of Tech News, on her engagement to Sanford Israel.

TIIC Proposes Change In Status; Chi Epsilon Resigns

By SAMUEL EIFERMAN

Political Action Not In Charter

During the last TIIC meeting Chi Epsilon's representative announced that they will resign due to the political maneuvers of TIIC. A formal written resignation is expected to be handed in at tomorrow's meeting. Chi Epsilon is the CE honor fraternity.

Guenter Wilhelm, president of Chi Epsilon, said that it is "contrary to the objectives and purposes of Chi Epsilon Fraternity to participate in any group of political nature or a pressure group." The Civil Engineering honor fraternity's constitution forbids any political affiliation as a group. Since TIIC is becoming a pressure and political group, Chi Epsilon will have to resign if politics continue to be part of the Technology Intersociety Interfraternity Council. This will not be done with a strong desire on the part of the honor society's members but rather as a necessary move to abide by the fraternity's constitution.

Commenting on this, HKN (EE honor society) representative Irving Kalet said he believes that political issues are well within the domain of TIIC and should be discussed. He says that, "Any decision arrived at by more than one person involves politics" and anything which involves the entire student body involves technology students. TIIC, being a student organization has the right to voice its opinion on any student issue.

Wilhelm suggested a separate political organization, aside from TIIC, which would make tech students more aware of political issues and Student Government.

Mike Rukin, president of the Tau Beta Pi engineering honor society, said his organization would endure any burden and undertake any task to enable TIIC to bring reforms in Student Government. Thus Tau Beta Pi will support all decisions, whether political or not, arrive at by TIIC.

—Mike Buczaczer

EE Grad Photos

Photographs of graduating EE seniors will be taken by HKN this term in H036 during the week of Dec. 4-8 from 1 p.m. to 5 p.m. each day. These photos will be placed on the EE office cards to help instructors in recalling individual students when responding to future reference requests. No appointments will be made, come at your convenience.

At the November 16, meeting of the Technology Intersociety Interfraternity Council Mike Rukin of Tau Beta Pi brought new life to the Council in the form of motions calling TIIC to action. One of his motions calls for TIIC to become a North Campus Student Government with six elected representatives (one from each class and two at large) elected by the engineering students. The present organization of TIIC shall have

only one representative each on the new TIIC. Another motion stated that "the Technology Intersociety Interfraternity Council drop the Intersociety Interfraternity to become the Technology Council" in order to reflect its new status. He also made a motion to have the TIIC bulletin board improved so that it will look good enough to be the bulletin board of the new Technology Council. Another motion that TIIC meet every two weeks failed. Chi Epsilon resigned from TIIC at this meeting because its constitution does not allow it to participate in politics. On top of all this TIIC passed a motion to write Tech News a letter condemning "thoughtless stand" on the new Student Government Constitution.

A committee was organized by TIIC to support students from the School of Technology who are running for office in the Student Government. The platform of these students increases the power of TIIC and therefore they say it increases the power of the Technology student. The platform itself is:

1. The appointment of an engineering Student-Faculty Fee Commission to allocate fees to the various engineering organizations. The Fee Commission will receive its money from the two dollar Student Activity Fee paid by all engineering students.

2. The right to grant charters to organizations on the Technology Campus. (This suggestion was made in the light of the difficulty encountered by AXE, the Chemical Engineering honor society, in getting their charter approved by the "inefficient, inconsistent, and unpredictable actions of the present Student Faculty Committee on Student Activities" as stated by Mr. Rukin.)

3. There will also be provisions for mimeographing and ditto services at the North Campus for Technology organizations to use.

4. There will be meeting rooms, offices, and lounges at the North Campus comparable to the luxury of those provided at the South Campus.

5. The new Technology Council will govern and coordinate the activities of the School of Technology and its organizations in a manner representative of on the spot rather than from a far government.

This committee is also circulating a petition in the School of Technology to ask the administration to set aside the Student Activities Fee paid by the Tech student which will be given to TIIC to disperse among the organizations and activities of the School of Technology.

AIEE-IRE

Placement Office

The AIEE-IRE together with the Graduate Placement Office will present a panel discussion on Thursday, November 30, at 12:20 p.m. in S306 entitled "The Transition Between School and Industry." The panel will be composed of recent C.C.N.Y. graduates and Mr. Ernest Schnaebelle, Placement Office Director. All seniors and/or members of the AIEE-IRE are invited to attend.

CEs Discuss Zoning Regs.

By FRANK SCHUTZ

A rarely emphasized aspect of civil engineering is the relation of structures to people. While the Civil Engineer is generally concerned with making his structure work, his concern also is making the environment work. At the recent annual convention of the American Society of Civil Engineers, a seminar was held on City Planning.

The general theme of the discussion, which dealt primarily with zoning defined the purpose and reason for the existence of zoning which is to prevent the uncontrolled growth of adverse environmental conditions, both in the urban complex, and its adjacent satellite areas. Its function is to protect the public from noise, odors, crowding, congestion and pollution. Zoning, which has been used in the past exclusively as a negative control, to prevent things from getting worse than they are, is now being considered as a planning tool, to guide future growth.

Fifty years ago the City of New York enacted the first zoning laws, which influenced the zoning of most large communities in the United States. On Dec. 15 of this year a new completely revised code will take effect. Among the provisions of these new statutes are: residential controls which will set a room per lot size ratio, which

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TBPI To Erect Bent In Steinman

The Eta chapter of Tau Beta Pi, the national engineering honor society, is making arrangements to have a model of its emblem, the Bent, placed on the campus. The proposed site for the monument is the lobby of the new technology building, Steinman Hall.

The monument will stand four feet high. It will be cast in bronze at a local foundry in the Bronx from a pattern which will be borrowed from the national office of the organization. The total cost of the project, approximately three hundred dollars, will come from the chapter's treasury. The pattern will arrive in New York sometime in January from the midwest, where it is presently being used by several chapters.

The first chapter to erect a Bent monument was Indiana Alpha (Purdue University). The chapter then donated its pattern to the national organization so that other members could also use it. About a dozen chapters have already borrowed and used the pattern, including Pratt Institute and New York University.

The purpose of erecting the Bent monument on the campus is to "publicize Tau Beta Pi and call attention to the high scholarship and worthy character which mark outstanding professional engineers." The organization performs many services to the school such as assisting the registrar's office to catalog, and tutoring lower classmen. To be eligible for admission to Tau Beta Pi, an upper junior must be in the top eighth of his engineering class and a senior must be in the top fifth of his engineering class.



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The Civil War

The Tech ostrich has finally lifted its head out of the hole in the ground, mainly because it's being kicked so hard in the backside. Fee allotments to tech organizations have been small; AIEE-IRE, which has over 300 members, received a fee allotment of only \$28. Some tech organizations have been denied use of campus facilities because they did not hand in their petitions on time; a first appeal was denied. The editorial policy of this publication has not brought consolation either.

But now the Civil War is to be fought again. The North has threatened secession! Although not intended as more than a call to arms, the secession idea is indicative of the kind of thinking now going on on North Campus. The time has come to take Student Government out of Southern hands and give it back to the North.

To this end, Tech students are now circulating petitions for SFCSA and most Student Council vacancies. In all probability they will run together on the same slate. Most are not very experienced in the affairs of Student Government, but this should not seriously hinder their election chances. Nearly half the representatives now serving on council are doing so for the first time. Their platform promises to be significantly different from those the campus has seen in recent terms.

Win or lose, the resurgence of interest in schoolwide affairs to the extent of actual participation is one of the most important occurrences in tech student life in several years. We sincerely hope it marks the beginning of the end of a tech student who is immersed in his own narrow world and oblivious to anything not directly relevant to his future career, and the end of the rampant sectionalism now existing within City College.

Good luck boys.

S.G. Constitution

On the other side of this page you will find reprinted the proposed new Student Government constitution. This document is the product of many months of work by many people. There was a Feingold report, a Podell report, some suggestions from President Gallagher, and a Student Council proposed constitution presented by the Becker Committee which borrowed from all of the others to put an actual constitution into the hands of Student Government this term. Student Council then worked on it and finally amended it to the form it is now in.

The Student Government constitution was not just thrown together to pass for a charter; it is a carefully thought out statement that merits the careful attention of each and every student in the school. Read it thoughtfully. You will have to vote on it in the upcoming school-wide election. Your vote will decide what form of student government you will be represented by.

Dear Editor:

Many recent events which have occurred concerning the school of technology have prompted me to write this letter. Student Government's discrimination against anything associated with the word "Technology" has been so appalling and so overlooked that I think it is necessary to reveal the present situation to all students.

At the beginning of each semester we all pay a \$14 registration fee, which, as is printed on the bursar's receipt, is to be allocated as follows:

General Fee	\$5
Athletic Fee	\$2
Student Activities	\$2
Student Center	\$5

In particular I object to paying items three and four. I personally am associated with several groups on campus among them being AIEE, IRE, and TECH NEWS. Because of my familiarity with these organizations, I will state several matters that have occurred with regard to these organizations, with the knowledge that similar situations exist with other tech groups.

This year, as in previous years, the fee allocations given to the AIEE, IRE, and TECH NEWS are wholly inadequate. A \$28 fee allocation to an organization such as the AIEE-IRE which has a yearly operating budget in excess of \$750 is in my opinion discriminatory. TECH NEWS has been forced to reduce its number of publications yearly because of its fee allocation from SG. Campus and Observation Post give views on the news from a different angle than TECH NEWS, and thus by giving Campus and OP a total fee allocation which is about four times that of TECH NEWS, SG is able to express their views much more frequently than the tech student. THIS IS DISCRIMINATION.

The \$5 fee which we pay for the Student Center is a farce. As far as I am concerned Finley Center is only an emergency exit for Downer Hall. It is impossible for any "tech group" to obtain an office in Finley. Re-evaluation of room allocations and usage is slow and prejudicial. In my estimate the Technology Professional Societies have a total membership of about 600 or 700 and corresponding to this a total office space in Finley of 0 sq. inches. THIS IS PREJUDICIAL. Surely, one large room could be set aside and partitioned for the use of the Technology Professional Societies. The only tech organizations that have office space in Finley at present are TECH NEWS, Vector, and TIIC.

I intend to submit petitions for a referendum on the next election concerning the following:

1. A committee, composed of two students from the School of Technology, two students from the Schools of Liberal Arts and Education, one faculty advisor from the School of Technology, and one faculty advisor from the School of Liberal Arts and Education, be instituted for the purpose of determining all fee allocations. Fee allocations are to be published by the second week of the term. A two week period for the purpose of appeal will be allowed after which all allocations become binding and valid.
2. Applications for office space in Finley. Student Center shall

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Letters

S.G. Constitution

Preamble

We, the students of the City College, Main Day desiring: to maintain academic freedom and student rights; to stimulate and improve democratic student government; to develop better educational standards and facilities; to improve student cultural, social and physical welfare; and to foster the recognition of the rights and responsibilities of students to the College and to the community do hereby establish this Constitution for the Student Government of The City College, Main Day.

ARTICLE I

Section 1) The name of the instrument of student self-government shall be the STUDENT GOVERNMENT.

Section 2) The Student Government shall consist of an executive branch, known as the EXECUTIVE; a legislative branch, known as the STUDENT COUNCIL; and an activities control board, known as the STUDENT ACTIVITIES BOARD.

ARTICLE II

Section 1) The executive power of Student Government shall be vested in a President, a Vice-President, a Treasurer, and a Secretary elected by the Student Body at large and three (3) Executive Vice-Presidents chosen by and from the Student Council.

Section 2) The powers of the Executive shall be:

- A. To act as the executive committee of the Student Council.
- B. To execute and enforce all regulations and mandates enacted by the Student Council.
- C. To review and accept all organizational charters of petitioning clubs and organizations.
- D. To observe the activities of all clubs and organizations.
- E. To suspend the rights and privileges of all student clubs and organizations which violate their charters and/or rules and regulations established by Student Council.
- F. To act in the name of Student Government in cases of emergency.

ARTICLE III

Section 1) The Student Council shall be composed of:

- A. The President, the Vice-President, the Treasurer, and the Secretary each of whom shall be elected for one semester.
- B. Six representatives elected in the Fall semester for one year from the Freshman, Sophomore and Junior classes. The Senior class shall elect six representatives for one semester. In the spring, the incoming Freshmen shall elect six (6) representatives. These representatives shall serve for one semester.

Section 2) The powers of Student Council shall be:

- A. To review and pass upon acts of the Executive.
- B. To institute rules and regulations governing the conduct of extra-curricular organizations and to have jurisdiction over all files submitted by student organizations in the process of organizing or rechartering.
- C. To allocate the Student Activities Fee to clubs and organizations and other student activities as it deems best to the general welfare of the student body.
- D. To examine the financial records of all organizations to which it allocates funds.
- E. To supervise all Student Government elections.
- F. To award appropriate insignia or honors to students for superior merit in extra-curricular activities, for character and for service to the College.
- G. To discipline students or student organizations for conduct contrary to the regulations established by Student Government.
- H. To establish the methods of selection of student members to Student-Faculty committees.
- I. To make recommendations to the President and Faculty concerning the affairs of the College.
- J. To establish such by-laws as may be consistent with these articles to guide the Council in the exercise of its responsibilities. By-laws shall be enacted by a two-thirds vote of the members present and voting. Abstentions shall not be considered as persons voting.
- K. To establish such committees, standing and temporary, as it may deem necessary to carry out the above responsibilities.
- L. To review any decisions of the Student Activities Board and, by a majority vote, to over-rule any of its actions.
- M. To act on, discuss, and consider matters affecting students in their role as students.

ARTICLE IV

Section 1) The supervision of club and organization activities shall be vested in a body herein known as the Student Activities Board.

Section 2) The Student Activities Board shall be composed of members chosen by federations of clubs and organizations. The number and composition of these federations shall be determined by the Student Council and these determinations shall be included in the by-laws of Student Government.

Section 3) There shall be a Chairman and a Vice-Chairman of the Student Activities Board chosen by an absolute majority of the Board from among its members.

Section 4) The term of office of the Chairman and Vice-Chairman shall be one semester. They shall be elected and take office at the next-to-last meeting of the semester previous to the one in which they shall serve.

Section 5) The Chairman of the Student Activities Board shall report at every regular meeting of the Student Council on the activities of the Board. At the conclusion of his term of office

(Continued on Page 3)

ion

TECH LIFE

By MAURICE BLUESTEIN



desiring: to stimulate and better education, cultural, social, the rights and the community Government f-government an executive branch, known control board.

The parentheses have been filled, the eulogies have been taken; the words have been rewritten, the drawings have been produced; and so the literator has been laid to rest. For me, the death of James Thurber has been a renaissance. Seeing the wide circulation of reprints of his work made me seek out again the old essays, stories and pictures by Thurber. After the Unicorn in the Garden, the Seal on the Bedpost, et al, my only recourse was to look further into the realm of his fellow essayists for the far-reaching thoughts, the wide-open prose and the stimulating experiences that are characteristic of the essay.

In the essay, the author rolls up his sleeves and leads the reader by the hand. There are no innuendoes, no hidden meanings to find; the author is sitting just across the room, he is giving it to you straight. The reading is easy and enjoyable. The thoughts are provocative, but not convincing; for it is not the essayist's function to determine policy. He merely bares his soul so that the reader will take note of the author's words and reach a more tenable conclusion. The reader usually comes away with many interesting points to ponder, some of which I would like to reproduce here.

The essay has been around for quite a long time. One of the oldest and more engaging pieces is one "On the Art of Conversing" by Michel Montaigne. It was written in the latter part of the sixteenth century, but retains a good deal of bearing on the world today. Said Montaigne regarding the people he cares to speak to: "I seek the society of those who drub me rather than of those who fear me. It is a flat and harmful satisfaction to have to do with people who admire and give way to you. I feel much prouder of the victory I gained over myself when, in the very heat of combat, I make myself give way to the force of my adversary's argument, than I feel gratified by the victory I gain over him through his own weakness." In his theory of argumentation, he notes: "What greater triumph can you expect than to teach your enemy that he is not your match? When you gain the advantage by the substance of your argument, it is the truth that wins; when you gain the advantage by your method of conducting it, it is you who win."

A man long on time and talent was Samuel Johnson who spent years compiling his Dictionary. In addition he wrote well over two hundred essays, one of the most famous of which concerns bashfulness. Regarding what Johnson considered the primary cause of bashfulness, he said: "No cause more frequently produces bashfulness than too high an opinion of our own importance. He that imagines an assembly filled with his merit, panting with expectation, and hushed with attention, easily terrifies himself with the dread of disappointing them, and strains his imagination in pursuit of something that may vindicate the veracity of fame, and show that his reputation was not gained by chance. He considers that what he shall say or do will never be forgotten; that renown or glory is suspended upon every syllable, and that nothing ought to fall from him which will not bear the test of time. Under such solicitude, who can wonder that the mind is overwhelmed, and, struggling with attempts above her strength, quickly sinks into exhaustion and despondency?"

To remedy this situation, Johnson offers: "... no man is much concerned by the rest of the world. He that considers how little he depends upon the condition of others, will learn how little the attention of others is attracted by himself. While we see multitudes passing before us, of whom, perhaps, not one appears to deserve notice, or excite our sympathy, we should remember, that we likewise are lost in the same throng; that the eye which happens to glance upon us is turned in a moment on his that follows us; and that the utmost which we can reasonably hope or fear is, to fill a transient hour with prattle, and be forgotten."

The man called "the Doctor Johnson of the twentieth century" is Gilbert K. Chesterton, who took apart one of the great foibles of its responsible adult behavior, that of running after a wind-blown hat. Commenting Chesterton "... there is a current impression that it is not unpleasant to have to run after one's hat. Fhy should it be unpleasant to the well-ordered and pious mind? ... The same people run much more eagerly after an uninteresting leather ball than they do after a nice silk hat. There is an idea that it is humiliating to run after one's hat, and when people say it is humiliating they mean that it is comic. It certainly is comic; but man is a very comic creature, and most of the things he does are comic — eating, for instance. And the most comic things of all are exactly, the things that are most worth doing — such as making love. A man running after a hat is not half so ridiculous as a man running after a wife."

Of great bearing on our troubled world of today, is a piece called "Tipperary" by George Santayana, referring to the war of the same name. On whether to surrender or fight to the death, the author declares: "If you think happiness worth enjoying, think it worth defending. Nothing you can lose by dying so precious as the readiness to die, which is man's charter of nobility; life would not be worth having without the freedom of soul and the friendship with nature which that readiness brings." Santayana believes that we have not seen the end of war by long time. "So long as the world goes round we shall see Tipperary as it were, out of the window of our troop-train. Your heart and mine may remain there, but it's a long, long way that the world has to go."

There is much more worth reading and more easily done than writing. There is H. L. Mencken referring to the South as "almost sterile, artistically, intellectually, culturally, as the Sahara desert." Robert Benchley explaining the Indian Rope Trick, and Edward Flynn defending bossism and machine politics. I would heartily suggest an excursion into the world of the essay as a well-worth Christmas present for yourself.

SAE Will Hear NASA Officer

This Thursday, the Society of Automotive Engineers will feature the National Aeronautics and Space Administration program, "Career Goals in Aero Technology." The Speaker will be Mr. Robert Tiemann, Personnel Projects and Recruitment Officer for the NASA. The meeting will be held to room S126 Shephard Hall, and will begin promptly at 12:30 p.m.

His talk will see the new role of the scientist and engineers in aerospace technology. It will include the new areas of work as well as the new concepts of operation, and the relation of the scientist and engineer to this work from paper and pencil to poised spacecraft. With approximately 2000 new jobs with the NASA opening up in the future, this meeting should be of great interest to senior engineering and science students, and also to those lower classmen who want to know about a segment of the engineering field that they may enter.

For the early birds, there will be given away copies of Papers presented at SAE technical meetings all over the country. Topics of these papers cover aeronautics, automobiles, spacecraft, and ground and flight vehicles.

ELECTIONS REMINDER

Petitions for the Student Government Elections of Fall 1961 will be collected on Nov. 27-29 only in 151 Finley between 11-3. This is a correction of the previously stated time of 10-3.

The results of the Election will be announced at the Student Government Dance, Dec. 15, sponsored by Gamma Sigma and Alpha Phi Omega.

Constitution...

(Continued from Page 2)

- he shall submit a final report and recommendations to Student Council.
- Section 6) The Student Activities Board shall be the planning board for the Finley Student Center. Clubs and organizations wishing to hold functions requiring campus facilities, publicity or rooms must submit a request to the Board as required in the by-laws.
- Section 7) The Student Activities Board shall institute, organize, and administer social and cultural events.
- Section 8) The Student Activities Board shall keep a calendar of all activities at the College and shall resolve disputes between clubs and organizations concerning dates and publicity.
- Section 9) There shall be four (4) standing committees of the Student Activities Board and such ad hoc committees as the Student Council or the Student Activities Board deems necessary for the fulfillment of its functions.
- The standing committees of the Student Activities Board shall be:
- Social Affairs Committees
 - Cultural Committee
 - Publicity and Facilities Committee
 - Service Committee
- The standing committees shall be composed of members of the Student Activities Board and/or other students elected by the Board.
- Section 10) This article shall not be construed so as to prevent individual clubs or organizations from instituting programs of their own, subject to the provisions of Section 8 of this Article.

ARTICLE V

- Section 1) Members of Student Council and major officers may be removed from office upon petition to Student Council of 25% of the members of Council or 10% of the student body, followed by an open hearing on the charges to be held not earlier than two weeks or later than one month from the date of the filing of the petition. The vote of the Council must be two-thirds of the total membership of said Council.
- Section 2) Student Council must provide for a special school-wide election by the fourth week of each term, to fill vacancies for the remainder of the term of office, the procedures to be determined in the by-laws.
- Section 3) All additional vacancies shall be filled at the next regular election for the remainder of the term of office of the position vacated.

ARTICLE VI

- Section 1) This Constitution may be amended by either:
- A referendum placed on the ballot by a majority vote of the Student Council and receiving a majority of the votes cast in the election.
 - A referendum placed on the ballot upon petition of 10% of the registered Main Day Student Body and receiving a majority of the votes cast in the election.
- Section 2) This document shall become the Constitution of the Student Government when it shall have been approved by a majority of the Student Body voting upon it, and shall have been approved by the General Faculty.
- Section 3) Any by-laws inconsistent with any provision of this Constitution shall be null and void.

SIC FLICS

"Look! Fiedler's back from vacation!"

21 GREAT TOBACCOS MAKE 20 WONDERFUL SMOKES!
AGED MILD, BLENDED MILD - NOT FILTERED MILD - THEY SATISFY

Zoning...

(Continued from Page 1)

will vary district to district, to control population density and balance people vs. facilities; an open space ratio, which balances usable open space to floor area, and provides a bonus in allowable area for plaza space; provisions for adequate spacing of buildings in large developments; performance standards which group compatible functions and protect them from other noxious ones, flexible public parking requirements which vary with the area and the type of traffic generator; plus additional provisions for coping with problems unknown, when the first laws were drafted fifty years ago.

However zoning is not without its defects. The planner still finds it rigid and inadequate, while the lawyer finds it too flexible and inconsistent, and the courts would rather not get involved in it, but the public praises it as a protector from all evils. Zoning has been called effective, if its purpose is to provide the public with what it thinks it wants. Too often it has been used for self interest; commercial groups, once established, have used it as a device to keep competitors out, and social, racial or economic groups using such means as large lot zoning have kept other groups out. Where zoning is fragmented into small political subdivisions, there is no regional consistency, each burg is law unto itself and each small misuse and abuse goes unnoticed. It has been suggested that if zoning is to be used to guide the future growth of the urban complex, it must be conceived on an objective basis, and administered on a regional one.

AIEE-IRE

STUDENT PAPER CONTEST CASH AWARDS FREE TRIP To 1962 AIEE SUMMER CONVENTION

DETAILS: Each year the Metropolitan Joint Student Council sponsors a Prize Paper Contest for undergraduate students in Electrical Engineering.

ELIGIBILITY: All those students eligible to join either the AIEE or IRE are eligible to participate.

For further details, please contact your CCNY AIEE-IRE representatives.

Blood Bank Is Coming Dec. 13-14

Letter...

(Continued from Page 2)

be submitted to a committee constituted as above for the purpose of allocation of office space. This committee shall allocate office space without regards as to present occupancy.

I sincerely hope that my fellow students will join me in signing the above petitions and when the time comes to vote they will get out and support the above referendums. Thank you for printing my letter.

Joseph Nadan

25 Are Elected To TBPI Honor Society

The Eta of New York Chapter, Tau Beta Pi, has announced election of the following men from the School of Technology; in keeping with its purpose: "To mark in a fitting manner, those who have conferred honor upon their alma mater by outstanding scholarship and exemplary character as undergraduates. . . ."

UPPER SENIORS

Benjamin Altman
Herbert Aldrich
Donald Arnstien
Fred Brodbeck
Patrick Broderick
Alfred Baginski
David Chase
Franklin Cohen
Gerald Kaplan

Charles Tenorio
Chris Tsistinas
LOWER SENIORS

Richard Brose
Fulvio Corti
Philip Heyman
Werner Kurzbuch
Michael MoMrganstern
Robert Pavlica
Joel Shafran
William Stern
Kenneth Sussman
Leonard Weinberg

UPPER JUNIORS

Alan Gardner
Sheldon Katz
Dennis Kirson
Frank Ventriglio
Election to Tau Beta Pi requires: 1) Scholastic Standing (Top 1/5th of class for Seniors,

top 1/8th of class for Upper Juniors), 2) Breadth of interest outside of engineering, 3) Adaptability, 4) Integrity, and 5) Unselfish activity.

These twenty-five men have been adjudged worthy of membership and will be officially installed at the "Induction Dinner" on December 9th.

Ideal Student's Companion



ZENITH
Royal 500
ALL TRANSISTOR RADIO

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