

The Tech News

Volume 59

Worcester, Massachusetts, Wednesday, November 14, 1968

Number 22

Pass-Fail Available To Qualified Students

by Ben Katcoff

The first semester response to the newly instituted Pass-Fail system has been minimal due to the fact that few Tech students are aware of the system as it presently stands. Basically, the program is designed for students who desire to take higher level courses in subjects which may cause the participant some difficulty. Since the student's grade in the course is not computed in his Quality Point Average, he is not harmed by an average performance, providing that he meets the requirements of the course of study.

The basic tenets of the Pass-Fail Plan are:

1. The program is open to Juniors and Seniors with cumulative point averages of 2.50 or greater, providing the student is not on academic probation when he elects the plan.
2. An eligible student may elect up to four pass-fail courses, one per any given semester. The designation (Pass-Fail) is made at registration and cannot be changed after that time.
3. Any elective course may be taken on a pass-fail basis except courses listed as required in a particular degree program for candidates in that degree department. This restriction also applies to designated electives in a student's major field of study.
4. If a student passes the selected pass-fail course, he will receive credit for that course

and a grade of "P" will be recorded. If he fails the course a grade of "X" will be recorded. In neither case will courses taken on the pass-fail basis be included in computation of the student's QPA.

A program has also been established wherein a particular course is offered solely on a pass-fail basis. This pertains largely to senior level courses in which evaluation of student performance is hard to make. Grading for this plan is "S" (Satisfactory) and "U" (Unsatisfactory).

Students are urged to discuss the plan with their advisors and elect the program where it is applicable.

Computer Symposium at Clark U.

A two day symposium on the topic "The Computer in the Humanities and Social Sciences" will be held on Thursday and Friday, November 14 and 15, in Atwood Hall, Clark University.

The program is sponsored by Clark University, Holy Cross College, and Worcester Polytechnic Institute.

Invitations to the seminar have been extended to members of the faculties of the sponsoring institutions and to other persons with a professional interest in the topic.

A distinguished group of 18 authorities will speak on the uses of the computer in the field of sociology, psychology, econ-

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Storke Concedes Students Will Rule

"Students on future college campuses will govern themselves with the administration stepping in only when the self government breaks down to the extent that some student or students, unchecked, may be interfering with the rights of others." . . . This statement, made by President Storke at his annual speech to Freshman Parents last Saturday represents his belief that young people of today are ready to "Try the world on for size," by the time they reach the age of 18.

The President started his speech by attempting to dispell any apprehensions the parent of a son or daughter first entering college may have. He explained that the banner headlines that appear in today's newspapers depicting student unrest do not represent the vast majority of students. The president stated, "Speaking for our Tech student in particular and for the vast majority of students everywhere, I can say positively that today's student are relatively more active, more informed, more socially conscious, and more generally concerned about the future of

mankind than, I think, has been the student of any previous generation."

On the issue of a need for change, the president defended the students of today by saying, "Today we of the older generation have perhaps been mellowed, been dulled by complacency, by frustrations, as we sought to achieve our dreams in this world. But the young student's hasn't been. Change is in his blood . . . the student wants change to be made — now. So, he passes for it on this or any campus, because the campus is where he happens to be, and therefore his immediate area of activity and interest." The president went on to explain that the desired change necessitates a confrontation with either the faculty or administration. He then stated that there is need for college administrators to play a smaller role in student affairs. He said, "The idea of *In Loco Parentis* — that college administrators take the place of parents in protecting and disciplining youngsters, improving their morals, and continuing the bringing up process — is rapidly becoming obsolete.

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Saturday Classes Strongly Opposed

91.4% of the students voting in last Monday's referendum voted against having Saturday classes. A total of 675 students cast their ballots, representing 45% of the student body. Of those that voted against Saturday classes, 234 or 37.9% favored the proposal of the ad hoc faculty committee studying Saturday classes. This plan calls for eight classes to be held from 7:45 A.M. to 4:05 P.M. with a 40 minute lunch break. The second most popular proposal was that which suggested having 1½ hour classes on Tuesday and Thursday. Courses meeting on Tuesday and Thursday would have only two classes per week. This propos-

al received 149 votes or 24.1% of the votes opposed to Saturday classes. 16.9% voted to hold additional classes during the noon lunch break, 6.6% were for having eight classes per day from 7:30 A.M. to 4:30 P.M., 6.5% voted in favor of holding extra classes from 4:00 P.M. to 6:00 P.M., and 3.9% desired evening classes beginning at 7:00 P.M. 4.1% of those opposed to Saturday classes showed no preference concerning an alternate proposal.

350 Worcester Students Attend SDS Demonstration

by Ralph Sperry

Election Day 1968, produced Worcester's first intercollegiate anti-establishment rally. Stu-

dents for a Democratic Society (S.D.S.) at Clark University, led by Al Marcarone, and Tom Navitski sponsored a campaign against voting which included leafletting in the factories and on the streets, highlighted by a demonstration on the city hall steps at 3 o'clock. With anxious police watching on, about 350 students, mostly from the area high schools, listened to speakers from Clark, Holy Cross, Worcester Tech and Boys Trade, while S.D.S. students circled around with signs protesting the war and the election.

A graduate of Clark, Macarone told the crowd that he would "not vote for one of the three major candidates" because they were controlled by "limited interest economic groups", and that the election is a farce because the system is not responding to the voice of the people. Michael Weiss, an emotional freshman from Clark, violently attacked the upper middle class society and drew a large cheer from the gathering. A student from Holy Cross who refused to give his name, explained that "our policies are radical but they need to be in order to work; everything else is useless". Navitski stated that the people should organize against inadequate welfare systems, non-union businesses and people who "push racist

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Social Budget Explained At Student Government Meeting

The Social Committee reported on the financial results of the Homecoming Weekend at the Nov. 4 Student Government meeting. Gerry Axelrod, Social Committee Chairman, announced that although the Homecoming concerts had operated at a loss as is usual, they had done better than in past years. He also mentioned that the committee was considering barring outsiders (meaning non-students) from these concerts. While this would mean losing more money, this action might prevent the damage believed to be caused by "townies".

A complaint was brought up concerning the financial handling of Homecoming Weekend. If a student paid \$7.00 for the weekend entertainment, it was asked, what is the need of a

semesterly social fee of \$10.00 per student, giving the Social Committee a budget of about \$30,000 for the year. Gerry answered by explaining that the committee must underwrite the expenses for these concerts and affairs. In this case, since the groups which performed during the weekend were not as well known when they were first contracted as they are now, and since student ticket sales in the past have generally been mediocre, a sizable debt was expected. Gerry then accounted for the Social Committee funds. Each of the three major social weekends receives \$4000, the Junior Prom gets \$5000, \$7500 goes to the Peddler, \$4000 is given to the Worcester Art Museum, and \$1500 goes towards miscellaneous events

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Abraham Kaplan, conductor of the Camerata Singers, who will appear in the second Worcester Art Museum-Worcester Tech Social Committee concert. The free concert will be held at the Art Museum on Sunday, November 17 at 3:00 P.M.

The Tech News

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Editorial

President's Speech Offers Hope

President Storke deserves much credit for the very fine address which he delivered last Saturday, Freshman Parents Day. His understanding of the aspirations of students make us believe there is much hope in the near future for more student involvement in the decision making process here at Tech.

The President predicted that "Students on future college campuses will govern themselves, with the administration stepping in only when that self-government breaks down to the extent that some student or students, unchecked, may be interfering with the rights of others . . ." He went on to recognize the fact that students enter college with their moral principles already developed and that it is not the job of the college administration to try to take the place of a parent in protecting and disciplining them.

Such an honest appraisal of the capabilities of today's students is a welcome change from this summer's statement by the Trustees that "students come to be guided, not to direct." We hope that an honest effort can be made by both students and administrators to understand each others feelings and to work for the cooperation from which both groups can benefit.

With his experience gained as President of the Institute and with his positive approach toward understanding student goals, President Storke would be an excellent choice to fill the one vacant position which now exists on the Board of Trustees.

J.G.

The "Tech News" welcomes your letters.

All letters must be typed, double-spaced. Letters received by 4:00 p.m. Sunday will appear the following Wednesday.

All letters must be signed. Names will be withheld on request.

Life Styles

INSIGHT OR IGNORANCE

by **H. H. Shore, Past Editor, Tech News**

Dear Cursor,

Just wanted to drop you a line to let you know how much I enjoyed your "Election Extra". Once again you have demonstrated your unquestionable sincerity in promoting the well-being of the Institute, without letting personal prejudices interfere with your objectivity. I'm sure you won't mind if I sight a few illuminating examples:

Bacchus: You say, "Four year's (sic) cumulative exasperation with the Skull precipitated this diatribe." Exasperation? Why? I get the impression that you yourself resent the fact that the white "sailor hat" will never be yours, and after four years, decided to wreak vengeance. You say Skull uses secrecy as a tool. Obviously. The question is, a tool for what? That's what counts, and therein lies my criticism. "The Tech student's fear is played up to the level of respect." I agree. But your writing shows that you yourself fear and respect Skull to the point of an irrational emotional attack on everything associated with the organization. I wish you hadn't paraphrased my ideas; I do not seek to destroy Skull. I am not attacking individuals, but rather the external image of the entire organization, which I feel is detrimental to Tech. I'm not attacking Skull's existence, merely its present state. Some of the "bell-clanging freaks" you mention are John Van Alstyne, Harold Corey, and Roy Seaberg. Do you think that you can claim the same devotion to Tech that these men do? If the **Cursor** is merely an organ for the self-emulation of its writers, then it should say so and not purport to improve the college status.

Endymion: How ironic that you deify your clique as an activist minority gallantly challenging the establishment, and then innocently accuse U.P.T. of apparently working toward personal recognition. As Bacchus says, "For us, secrecy means survival." I can see why: if I wrote the way you men do, I too would wish to remain obscure.

Sincerely,

H.H.S.

Letters...

"Bring Us Together"

To the Editor:

The Board of Trustees play a unique and important role in the administration of W.P.I. Meeting with the President and other members of the college they make decisions which affect both the present and the future of our institution.

There exists however a rather sizeable gap between the Trustees and the students. Recent letters the Editor clearly point to an abyss of communication and understanding, and yet little seems to be happening to "bring us together."

A constructive beginning might be for the **Tech News** to sponsor a forum where the Trustees could discuss issues appropriate to student interest and provide the students with

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Advocates

anti-ROTC

Demonstration

To the Editor:

I'd like to tell the students of Worcester Tech what I think about compulsory ROTC. Last year the president of the college, **General Storke**, appointed a faculty-student committee to investigate the situation. After thorough study, the committee which by the way included a member of the ROTC department, came up with a unanimous report that stated ROTC should be voluntary, but there would be a three year phase out period. This report was then passed by the faculty. The student government likewise approved it, and commissioned the C.C.S. to find out the student body's opinion. In a referendum, 77% of the students who voted, expressed their disapproval of compulsory

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Tech Senior

Defends R.O.T.C.

To the Editor:

The lengthy letter in the Nov. 6th issue of **The Tech News** concerning ROTC, was one of the most confusing articles I have ever read. It was extremely difficult to understand what the author was trying to get across in four columns of print. It began and ended with an attack on the trustees decision to maintain compulsory ROTC for freshmen. This is a topic that has been well discussed in editorial comments both this year and last year, and no new arguments were brought forth. The rest of the letter though, diverged from this topic to an ignorant and unresearched attack upon the whole concept of ROTC training.

I fail to understand the statement that it is a "dangerous" (Continued on Page 6)



OOOIIICUOK Speaks!

by **Gerry Axelrod and Sandy Malcolm**

Please Don't Shoot Nixon!

Well the 1968 Elections are over and the world knows that Dick Nixon is to be our next President. A much more frightening fact is that Spiro Agnew (I still don't believe that's his real name) is to be our new Vice-President. While his duties as Vice-President are negligible; if something happens to the President, number 2 becomes number 1. Imagine — President Agnew.

Perhaps, as was mentioned to me by someone—Jim Kaufman, I think; Mr. Nixon only chose Agnew as a form of life insurance. Let's face it, since an assassin believes that he is improving conditions by his actions; not even a deranged moron could see anything beneficial in elevating Agnew to the top position in government and thus Mr. Nixon's life seems much safer. I'll bet that any attempt on his life will occur within the period before Inauguration Day.

While it would require a constitutional Amendment to remove the Vice-President from the line of succession to the Presidency, perhaps other legislation to improve the situation can be pushed through more rapidly. First would be a bill authorizing the development of a bullet proof plastic coating that Mr. Nixon could be dipped in and completely coated. An alternative would be a renewed search for the river Styx. Another bill should require the Vice-President to accompany the President on all flights just in case of a plane crash.

All this legislation notwithstanding, it only takes one lucky shot. Therefore I appeal to all Americans, especially the psychotic, violent type — PLEASE DON'T SHOOT NIXON!

S.M.



Alan Freed's Baby

by Victor Pearlman

What I am trying to achieve through this column is expose new or obscure LP's which I consider important contributions to the "new music" scene. I will attempt to cover: "rock", jazz, blues and folk releases. I hereby publicly confess my ignorance of classical music.

I would appreciate and will attempt to answer via this column any questions, comments or criticisms which you may have. Please write to me in care of the TECH NEWS.

The Album received today is probably the most important British release since the Beatles' Sgt. Pepper. Although it has been out in the U.S. for about six months, it has not generally recognized as the beautiful LP which it is. The album is titled "Mr. Fantasy" (United Artists 6651) and the group is Traffic. They are produced by Jimmy Miller, an American who is the best known here as the producer of "Gimme Some Lovin'" by the Spencer Davis Group. SDG, incidentally, featured Stevie Winwood as vocalist-guitarist-organist. Winwood is now in Traffic and, besides handling the above-mentioned chores, he plays bass, harpsichord, piano and harmonica. The members of the group are Jim Capaldi on drums and Chris Wood on flute, saxophone and bass. Also in the group was Dave Mason, who plays guitar, meleton, sitar, tambura, shakkai and bass. Although he receives no credit on the liner notes, he nevertheless recorded the entire album with Traffic. He then left the group, returned to record their second album ("Traffic" United Artists 6676, just released in the U.S.) and has since left, this time for good.

The American version of "Mr. Fantasy" suffers from the poor order in which the tracks are placed. In the English version, the album begins with "Heaven Is In Your Mind" a medium-tempo song, which changes beat more times than can be counted. The stereo effects are amazing, with voice changing back and forth between the two speakers. Look for some really fine drumming and a beautifully controlled and tasteful guitar solo by Winwood. Next is "Berkshire Poppies" a light happy song dedicated to the cottage which the group lives in, in the English countryside. "House For Everyone" is a Mason composition with a message. The beginning and ending are both truly amazing. This brings us to the lyrical "No Face, No Name and

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Letters...

Ode To The Cursor

Ode to the Cursor:
A little seed lay on the ground
And soon began to sprout.
"Now which of all the flowers around,"
It mused, shall I come out?
"The Lily's face is fair and proud,
But just a trifle cold:
The rose, I think is rather loud,
And then its function old.
The violet is all very well,
But not a flower I'd choose;
Nor yet the Canterbury bell —
I never cared for blues."
And so it criticized each flower,
This supercilious seed,
Until it woke one summer hour,
And found itself—a weed!

Techman Denounces Faculty Logic

To the Editor:

What it amounts to is scandal and treachery of the blackest order. While the "right wing" (read: oppressive and fascist) Board of Trustees and its secret police weren't looking, someone wrote a letter to the Tech News actually criticizing the Board of Trustees. The gentleman who wrote the letter, Mr. Kniering, who is obviously a) one of liberal political thought (no doubt a communist), b) politically concerned (an anarchist, definitely), and c) quite possibly a genuine thinking being (who by all indications ought not to be trusted in any defense plants), addressed himself to what he regarded as the manifest lack of wisdom shown by the Board of Trustees in their decision to change the ROTC program so as to have the sophomore year voluntary and leave the freshman year compulsory.

Mr. Kniering, and most everyone else it seems, thinks that ROTC should be completely voluntary. The reasons he gives are somewhat unfamiliar and extremely interesting because they highlight a particular aspect of a particular kind of thinking, which was very eloquently outlined and represented by Mr. Kniering. Specifically:

At the onset, to be sure, he states: "While a completely voluntary program of military science might (note the word) be a valuable asset to the Tech curriculum, there are valid reasons why compulsory ROTC it not only undesirable but incompatible with the goals of higher education." He apparently said "might" instead of, say, "would" because of certain doubts he entertains about the validity of any ROTC program here at Tech — that such a program might still be incompatible with "... the goals of higher education." Sure enough, he later states: "There are, in addition, many reasons why any form of militarism, particularly when it is compul-

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Beware the Creeping Cancer

To the Editor:

It's about time that somebody defends Compulsory ROTC against the recent attacks of the anarchists, terrorists, and outside agitators who would like nothing better than to see the destruction and communist takeover of our Great Nation. Thank God there are still a few Patriotic Americans left who stand armed and ready to defend our Country against those who would turn it over to the Enemies of Freedom by corrupting its Moral Fiber and Genetic Purity from Within.

Compulsory ROTC is a Democratic Institution, ordained by our Noble Founding Fathers. "The Right Of The People To Keep and Bear Arms," has long been a symbol of Domestic Stability and Freedom. In these Times of Supreme Trials we must reject the Forces of Division which seek to tear this, Our Nation asunder, and instead support the Unity and Singleness Of Purpose that has always characterized the Great American People. We must Stand Together on all issues or fall victim to the Creeping Cancerous Communist Conspiracy To Enslave Mankind And Disseminate Birth-Control Information.

I ask all those who say Compulsory ROTC should be abolished, "What do you have to offer in its place?" The fact is that these anarchists think they have the right to just criticize social evils, and want only to destroy our Glorious Heritage of Institutions and Traditions. This could lead, for example, to these Detestable Cowards refusing to support Our Boys In Vietnam simply because they are against the War. Naturally, they have no alternative war.

Some ignorant fools assert that Compulsory ROTC is incompatible with the goals of higher education. This is but another aspect of the Plot to corrupt our Values. Certainly most mature people would agree that the purpose all education is to discipline the mind and make the individual a useful tool for our Great Society. What could be better for higher

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by Glenn White

The Pacesetter, of November 7th, defended itself and its involvement with Paul Tinsley from the statements made by Sandy Malcolm in this week's Tech News. During the week, Mike Cooney, former editor-in-chief of the Pacesetter, was fired and Ted McCaffrey replaced him. Mike Cooney called the Tech News office on Wednesday offering his congratulations on an "extremely well-done story" and offering to help in any further investigations.

The article in the Pacesetter noted "somewhat of a controversy as to whether or not it is truly an intercollegiate weekend," but remarked that two aspects were involved in an intercollegiate weekend. First, "it must be the outcome of a collective endeavor by the area colleges. In this respect, the word intercollegiate does not cover the weekend... the reason... stems from a misunderstanding and a lack of communication." Secondly, "it must be geared to the tastes and pocketbooks of the average college student. In this respect, the weekend is truly intercollegiate."

In the editorial, the editors commented, "it should be stated that the Pacesetter is a subsidiary of Campus Services, Inc., which is owned by Mr. Paul Tinsley... Mr. Tinsley makes a profit, of course, but the service the paper will contribute to the community far outweighs the financial success of its owner." The paper went on to evade the charge that it was merely an advertising rag for Tinsley. "There has also been some question... whether many of the articles were not geared to place Mr. Tinsley's other enterprises in a most favorable light... Let it be stated now, if this were true in the past, it will cease quickly... Intercollegiate weekend is a co-ordinated effort of some local college chairmen and Mr. Tinsley. Each school reaps benefit from this weekend, for the social committee of each school receives 10% of the amount that their ticket sales render." Whether the school or the social chairman is benefiting is a legitimate question here.

The editorial then commented, "... the plug this weekend has received has been through advertisements in the Pacesetter and this advertising has been completely paid for by the Tinsley group... the Pacesetter is still being nourished through its umbilical cord... If the paper would be axed because of malfactors, it is only because the paper failed to strive for perfection and the staff will not stand for this." Shame on you, Sandy, for attacking an fetal newspaper.

Anti-war and radical college and high school groups held demonstrations in Worcester on Monday and Tuesday of election week, protesting the system that produced what they called "two unsatisfactory candidates." The Scarlet of Clark University announced plans for the demonstrations in its latest issue and in its editorial endorsed the strike and protests, as did Clark's Student Council.

On Wednesday, October 30th, SDS groups staged protests at a rally for Humphrey-Muskie at City Hall. On Monday, November 4th, a boycott of all classes and a teach-in was held at Clark. On Election Day, the Worcester chapters of the SDS picketed City Hall, climaxing a week of leafletting outside of factories, shopping centers, and high schools. The demonstrations, as usual, had almost no visible effect on the public.

The Faculty-Senate Executive Committee ("the next-to-last step in the pathway to educational reform") has approved several major recommendations for change in the academic set-up at the State University of New York at Buffalo, the Spectrum reported in its October 29th issue.

The recommendations include: a four-course (each course with four credits) load per semester, a revision of the present degree program distributive requirements making it easier for the student to study outside his major, a gradual change to a marking system in which the professor could choose between letter grading, written evaluations, or satisfactory-unsatisfactory ratings, greater freedom for the student to plan his own curriculum, and abolition of University-wide grade rankings.

Unusual Studies Conducted By Various Departments

Tech is noted for its contact between faculty and students, but you may not realize the volume of pure and applied research being done here. The various departments are involved in curriculum improvements, senior, graduate, and past-doctoral research.

For example, the Chemistry Department has produced seventy-four scientific papers in the past five years. Current research includes study of natural products, synthesis of new organic compounds, and reaction mechanism studies by Drs. Todd, Scala, Weininger, and Bushweller. Drs. Berka, Beall, and Maeland are doing inorganic research emphasizing new compounds and molecular structure determinations. Dr. Plumb is studying the surface chemistry of electrodes in solutions. Research is being sponsored by the Petroleum Research Fund, the Atomic Energy Commission, the American Cancer Society, National Science Foundation, and the National Institute of Health.

The Chemical Engineering Department is working on, among others, two projects of great current importance — air pollution and production of food sugars from waste material. Dr. Zwiebel's NIH and NASA sponsored research is on the removal of oxides of nitrogen and sulfur from stack gases by multicomponent adsorption. Four graduate students are assisting him. Manufacture of food from waste products in space flight is Dr. A. Weiss' re-

search project. He is also working with four graduate students.

In the Electrical Engineering Department, Dr. Langon is studying selenium and tellurium semi-conductor effects and materials. Mr. Amazeen of E.E. and Mr. Feldman of M.E. Departments are working on computer filtering of electro-cardiograms. Problem solving on the hybrid computer is the interest of Drs. Eteson, E.E. and Zwiebel, Ch.E.

Professor J.C. Johnson of the Physics Department is in charge of the revision of the freshman and sophomore physics programs. Assisting him are Professors Blumel, Long, and Howe. Departmental research includes work by seniors, graduate students and faculty. Main areas of interest are low energy nuclear physics and modern

optics, including laser scattering studies.

Some of the recently completed projects in the Mechanical Engineering Department are evidence of the wide areas of interest with which it is concerned. Recently completed projects include: ceramic body armor for protection from small arms fire (Prof. Hagglund), "Development of a New Concept for a Writing Instrument tip" (Prof. C.C. Reynolds), "Computer Aided Design" (Mr. R. Lindsey), and "Dynamic Loads on Gear Teeth" (Mr. S. Patel). Current doctoral dissertation by Mr. Earl Meyers is on "Fundamentals of Fluidic Devices."

Although only a few topics in each department have been mentioned, the volume and variety of research being carried out at Tech are evident.

Computer

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omics, geography, theology, literature, linguistics, library, history and music.

Among the speakers will be Prof. Theodore Rabb, history department, Princeton University; Prof. Harry P. Lincoln, music department, State University of New York, Binghamton; and Prof. Stephen V. F. Waite, classics department, Dartmouth College.

Continuous demonstrations of computers in use will be presented during the program. In addition, participants will view live demonstrations of the computer in action at the Worcester Area College Computation Center.

The symposium is being organized by Dr. Roy S. Anderson, chairman of the physics department at Clark; Dr. Norman Sondah, professor of computer science at W.P.I.; and the Rev. Joseph B. Pomeroy, director of the computer center, Holy Cross.

Government

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like jazz concerts and Dorm Committee affairs.

The matter of the Saturday class referendum was then discussed. It was decided that the Monday ballot should feature a yes or no vote on whether students favor classes on Saturday. A number of possible alternatives to this situation will be listed, also. A suggestion was made to look into these rescheduling plans more deeply, and to study how other colleges get by without Saturday classes.

A review of other committees revealed that the Mechanical Engineering Dept. is planning an evaluation of its courses in the spring, and that the Academic Committee should get involved in this project. Also, the Student Activities Board is planning to run a weekly column in the Tech News, containing a notice from Dean Trask's Office on placement and interviews.

Report

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ROTC, and their approval of the report. Then the C.C.S. wished to hold a demonstration to further show to the Board of Directors that the Tech student was against compulsory ROTC, but they were talked out of it by the student government and members of the committee who said that it would be better to wait until the existing plan went through legitimate channels. It did. Yet the president gave the report, and his one-sided recommendations to the Directors and they voted down the main idea of the report, that ROTC should be voluntary for all Tech students.

My feeling is that the students and faculty should not accept this obvious injustice and insult to their reasoning. We have gone through the "legitimate" channels and have failed. Our only alternative is to show the Board that we still have some pride and self-respect left in our conscience. We should demonstrate, and if need be, boycott the ROTC program to achieve our goal . . . NOW.
Ralph B. Sperry, Jr.

Trustees

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the opportunity to ask questions. A dialogue such as this would surely benefit the entire Tech community. With so many of the Trustees living in the Worcester area it seems a shame that it hasn't been done sooner.

James A. Kaufman
Department of Chemistry

Professionalism at Grumman ...is personal development programs

As a graduating engineer, how can you position yourself so that your career chances are constantly optimized? Answer—get with an aerospace company where the optimum conditions are . . . Grumman. Here we take a keen interest in seeing that our engineers and scientists develop *personally*. We are sincerely interested in their *personal* progress within the company . . . that they keep abreast of the sweeping advances in technology, not because they can contribute more (although this is true), but more because it makes for greater individual progress and well-being. Job satisfaction, if you will. Let's look at these personal development programs.

Tuition Reimbursement Program

Directly applicable to their work, these programs offer engineers and scientists financial assistance for graduate studies at the many institutions in the Long Island-New York area.

In-Plant Courses

Engineering courses, particularly those not available at neighboring institutions, to deepen technical knowledge to the specific needs of the engineering sections.

College-Industry Courses

Selective attendance for rapid technical updating on fundamentals, theoretical methods and design information. (One to two weeks' duration.)

Engineering Masters Fellowship Program

To enhance creative design capability, one-year fellowships, renewable for a second year, are awarded to new engineering Bachelor of Science graduates and engineers with a year or more company service. The program combines two days of graduate school study with three days of in-plant engineering (in fixed or rotating assignments) and covers payment of full tuition, books, fees, a stipend, and a salary at engineering hourly rates for the hours worked.

Professional Development Programs

Lasting for 2 years, participants are given, in 4 six-months' terms, an exposure to Grumman operations which broadens their technical knowledge, sharpens ability to make sound decisions, and raises their career potential. Separate programs serve individuals in Business Systems, Engineering and Manufacturing.

Senior Engineers' Program

Intended to overcome the threat of technological obsolescence, individual disciplines are updated with regard to new scientific discoveries, new or expanded applications of long existing knowledge, and computer applications to problem solving.

Senior Management Development

Selected individuals within Grumman junior and middle management groups are nominated to attend management development programs such as the MIT Executive Development Program, the Program for Management Development or the Advanced Management Program at Harvard University.

Basic Principles of Supervisory Management

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ON CAMPUS DEC. 5

If an interview is not convenient at this time, send comprehensive resume to: Mr. Richard N. Haug, Administrator of College Relations, Engineering Employment, Dept. GR-251

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New Dorms and Old Problems Discussed By Dorm Committee

The main discussion topic at the Nov. 6. meeting of the Dorm Committee was the new dormitories. Preliminary plans for the three building complex were described by Committee Chairman Jim Atkinson.

Each dormitory will be L-shaped, with three stories, and twenty occupants to a floor. Each floor will have about four single rooms and eight doubles, and there will be lounges, partially enclosed by glass walls, on the first and third levels of each building. The floors shall be completely carpeted, and the corridor walls are to be tiled in a rough brick appearance. All rooms will have individual

electric heat controls and conduits for telephones, while the occupants can choose whether or not to have a phone installed.

The Institute is receiving a government loan of over a million dollars to aid in the construction of these dorms. Special consultants have been hired to devise ways of enhancing the appearance of the buildings and preventing the monotonous, "barrack" image sometimes complained of in other dorms. These new dormitories are purposely being designed to be smaller and more decorative to present a friendlier habitual atmosphere, which is especially

important since this complex is to be on the edge of the campus, near a residential section. Plans call for completion by 1970.

It was announced that the Dorm Committee will sponsor some entertainment in Daniels Commons during Greek Weekend. A folk group, "The Claytons," will perform there after the Assumption basketball game. This event shall be open to all Tech students and their dates.

The Food Committee reported that no action has been taken yet on the milk machine matter. However, it is hoped that the two present machines and a third one not now used will be moved into the dining area itself and alleviate congestion in the food lines.

The committee working for freshman parietal hours has been formed, with representatives from each floor of all the dorms. Furthermore, the Shield has presented two resolutions supporting the extension of parietal hours and the granting of parietal privileges to freshman.

Other matters mentioned were that the vending machines in the snack bar are inaccessible to late risers seeking breakfast because they are filled from 8:00 to 9:00 a.m. However, the machines in Daniels Common are available at this time. A change machine in the snack area has been tried before and deemed impractical by those involved, but the idea is still being considered. Cold plates in the cafeteria are in limited quantities at present because they have to be specially made up. Also, only certain sandwich plates come in double portions.

It was noted that there has been some damage to the phones on fourth floor Morgan and fourth floor Daniels. Furthermore, anyone wishing to find out if he or his floor has been assessed damage payments can find out from Jim Atkinson.

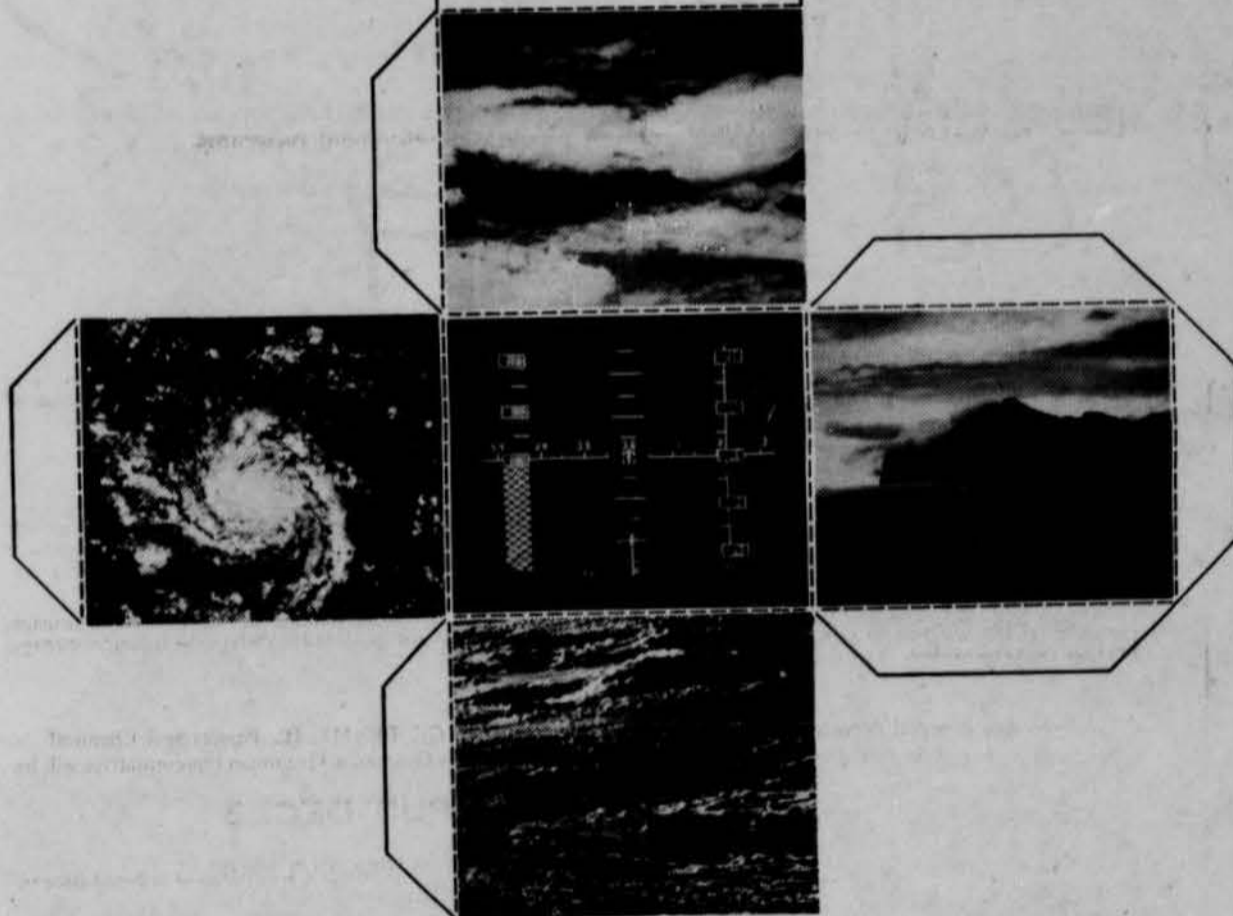
Placement Interviews Begin Dec. 2

All Seniors and graduate students should now be in the process of registering with the Placement Office in order to be ready for the interviewing season which starts on Monday, Dec. 2. The Placement Annual, free to all students is now available and the forms and other data which the students fill out to complete their registration is also ready. All students, regardless of their plans, be it service or graduate school or even undecided, should take advantage of this opportunity to discuss their future ambitions with the recruiters from all parts of the country who will be on our campus for the next three to four months. There will also be some opportunities for Juniors for summer jobs and this information will be disseminated as soon as the Placement office has the details.



Among those participating in the recent 20th annual Tech-Forum were (from left) Edward Westerling, Southwestern Central High School, Jamestown, N.Y.; Arnold Rist, Nanuet Senior High School, Nanuet; John J. Simpson, Jr., Doherty Memorial High School, Worc.

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R.O.T.C.

(Continued from Page 2)

idea that our colleges and universities have somehow been ordained to supply the military establishment with commissioned officers". The freedom and rights every American values, have developed over the years under a government protected by a strong military establishment, and in this day of the super bombs, no one has as yet come up with a workable plan for peace that provides for elimination of a military defense plan. If the security of the U.S. cannot be guaranteed with anything but a strong defense plan, then it is important that we have the best military leaders possible. What better source for good leaders can one ask for, than from the colleges and universities around the country. The constitution provides for civilian control of the military, and this is a check that must not be lost. By getting men trained in many fields, from humanities to technology, at the best schools in the country, the military has officers capable of dealing with the social and personnel problems confronting him today. It would be possible for the government to withdraw all funds from ROTC and establish a giant West Point, where all officers would be trained in a military manner reminiscent of European Prussia. If this were the case, the officers would lose much contact with society, and view most matters in a right or wrong light, and ignore all outside influences.

The author seems to forget that Worcester Tech and the other one hundred and fifty or so non-land grant colleges with ROTC training, requested the program. The government is not forcing them or holding back funds if they don't accept. There was no basis given for the statement that "militarism here at Tech could be the basis for direct military or political control of the institution." The actions of the SDS and similar groups on other campuses, reveal the fact that these groups form a much more real threat. I have never heard of classes cancelled because of a takeover by the ROTC department. The new "option C" program being developed by the army, has senior cadets receiving half their instruction from civilian faculty. This is just one way in which the military continues to

cooperate as much as possible to make ROTC an integrated part of the curriculum, for those enrolled in it.

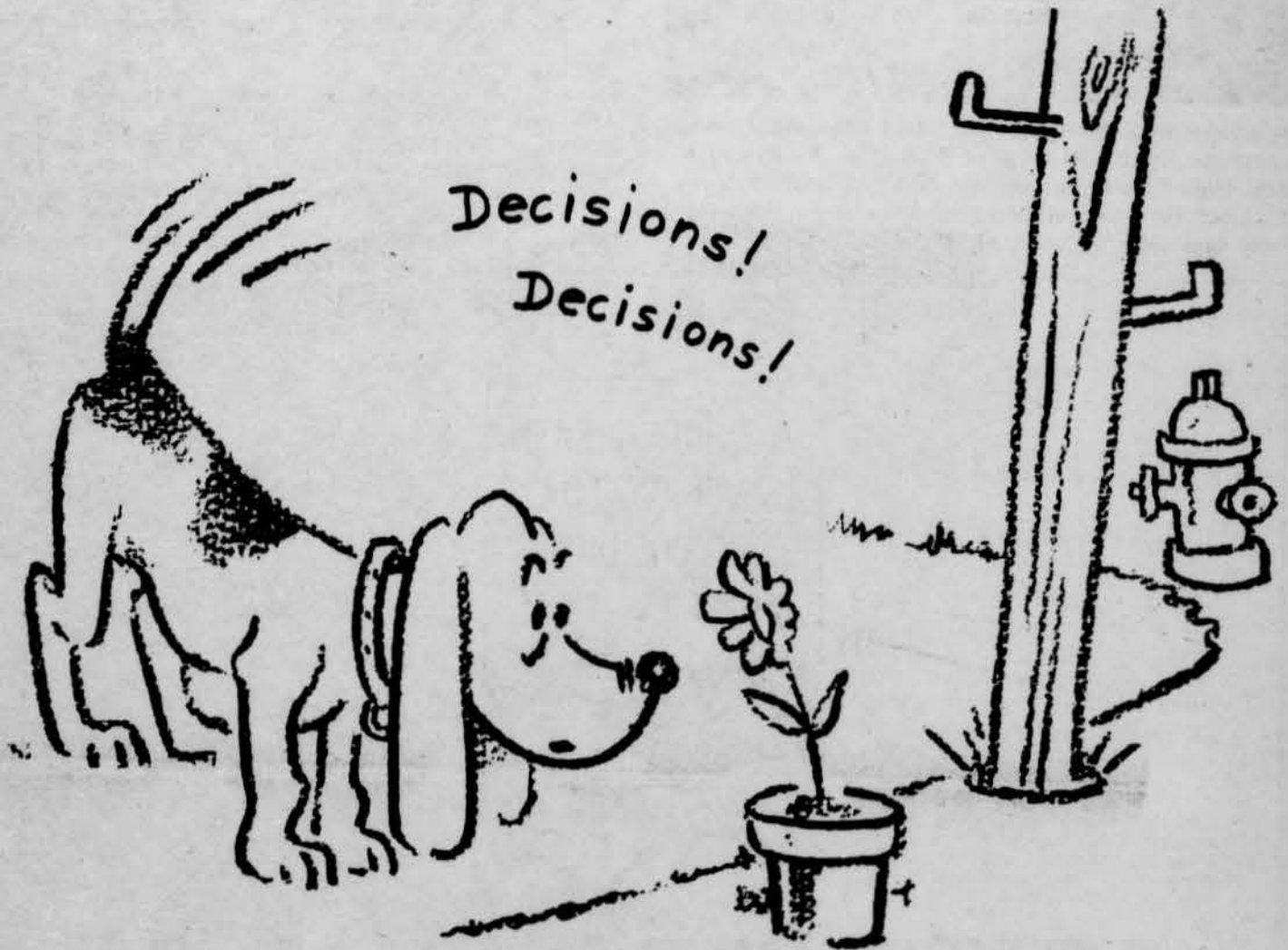
The author leveled some of his comments on the ROTC program to the one at Tech in particular. It is amazing how he could call the use of two rooms in the basement of the gym, and two classrooms in the cellar of Higgins, as "extensive use of classroom space and facilities". Just think of the vast

educational opportunities lost because these rooms are used by "propaganda agents" of the government. I fail to understand how ROTC is injurious to the image of Tech. The awards given to both students and faculty of the military science department many times each year, give the school the publicity it is always seeking. The author gives no explanation how "militarism encourages the student to accept doctrine and command

without critical judgment". Where is critical judgment involved in obeying an order to "Present Arms" at a "mickey mouse" drill twice a week? The purpose of drill is to give practical experience to cadets in leading men.

The question of voluntary or compulsory ROTC will be decided in the near future. The question of the concept of ROTC training is one that was answered years ago. Our coun-

try has depended on strong, highly trained reserve armed forces to mobilize quickly in time of crisis. The eighteen thousand men commissioned through army ROTC each year, are educated at the best civilian schools in the country. They do not develop the political attitudes of a "vegetable" or a "fanatic", but those of capable leaders, with an understanding of the problems confronting today's society.



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Logic

(Continued from Page 3)

sory for students, is inimical to the functions, independence, and purpose of any college or university." Which is to say that any college or university, like for instance Tech, is not doing its responsible part in pursuing the goals of higher education if it even has an ROTC program, and incidentally, that this is particularly true if any aspect of the program is compulsory.

He goes on to exemplify this by saying, in relation to the "propaganda" ROTC instructors disseminate: "The college is certainly a place where different points of view should be presented, but not in a biased way." Which might cause students of philosophy to wonder how, if a point of view, by its very nature and definition, is a bias (and a prejudice, by the way, is an "unreasonable bias" —i.e. opinion held in light of contradicting facts; it's all in Webster's), one ought to go about presenting it? — e.g. witness: "The repressive (?) statement by the Board of Trustees . . ."; witness: "It is a waste of the taxpayers money to attempt to indoctrinate (?) and train an entire freshman class . . ."; witness: "While the desirable political attitude of a soldier may be that of either a vegetable or a fanatic . . ."; witness: well, the entire letter-non-bias par excellence.

There's a nifty way of getting around this, however, and that is by defining bias, in the salient area of our concern, as those teachings of the military. Clearly then: "Extending the privilege of regular classroom instruction to agents of a government (we ought not to trust any government, I guess) or its armed forces sets a dangerous precedent, and . . ." getting very specific now, ". . . academic freedom is clearly compromised when a government feels free to attempt to indoctrinate college students with propaganda films supporting its war policies." So that's what they've been doing! It is encouraging to note, then, that at least one Tech student of the many hundreds here who were and are being "subjected" to the clever films being put out by our sinister Department of the Army has not had his mind subverted and has been able to maintain his intellectual position, even as we-all, because of the devastating influence Army films have and because by now we're all good soldiers, accept them without even a rippling of critical judgement. For this, Mr. Kniering, you are to be congratulated.

At last we are offered the following: ". . . the presence of militarism here at Tech could be the basis for direct military or political control of the institution, should it be desired by either the government or a reactionary, right wing Board of Trustees," which is, in brief, the most ludicrous statement I have ever read anywhere at any time. Its absurdity appalls me and its sincerity frightens me. A quick review of Tech History did not, for some odd reason relating to such abstractions as "context" and "circum-

stance" and even "definition," remove any of these feelings.

The overriding question Mr. Kniering supposedly asks is: "Compared to its faults and dangers, what are the virtues of a compulsory program of military science here at Tech,?" which, come to think of it, is somewhat surprising considering he had said just shortly beforehand that: ". . . intrusions of 'military science' mock and corrupt our values in the name of patriotism." The point being, why didn't he ask, instead: "Compared to its faults and dangers, what are the virtues of any program of military science here at Tech?" if the program of military science does to us what a frontal lobotomy does to none-too-well people, or to use language even cursories can understand, what drab-makers are said to do to Tech students? Ought we not to elimi-

nate quick-like-a-bunny this potential power base for the crypto-Nazis?

He doesn't say such, because he knows what you know; just think about it for a few seconds: the time for such a move is anything but ripe. It is going to be an effort first and foremost to eliminate the "compulsory" part of ROTC, an effort which could later include, though it seems unlikely now, a demonstration, or even a boycott; one gathers more support under the auspices of fighting "anti-democratic principles" than against less graspable or, perhaps, rather inapposite inventions like bad nasty awful "militarism." Even the lowly freshman can find ROTC drill a pain, and object to having to have to attend against his will. Which brings us to that final sticky consideration; shouldn't ROTC be a voluntary program?

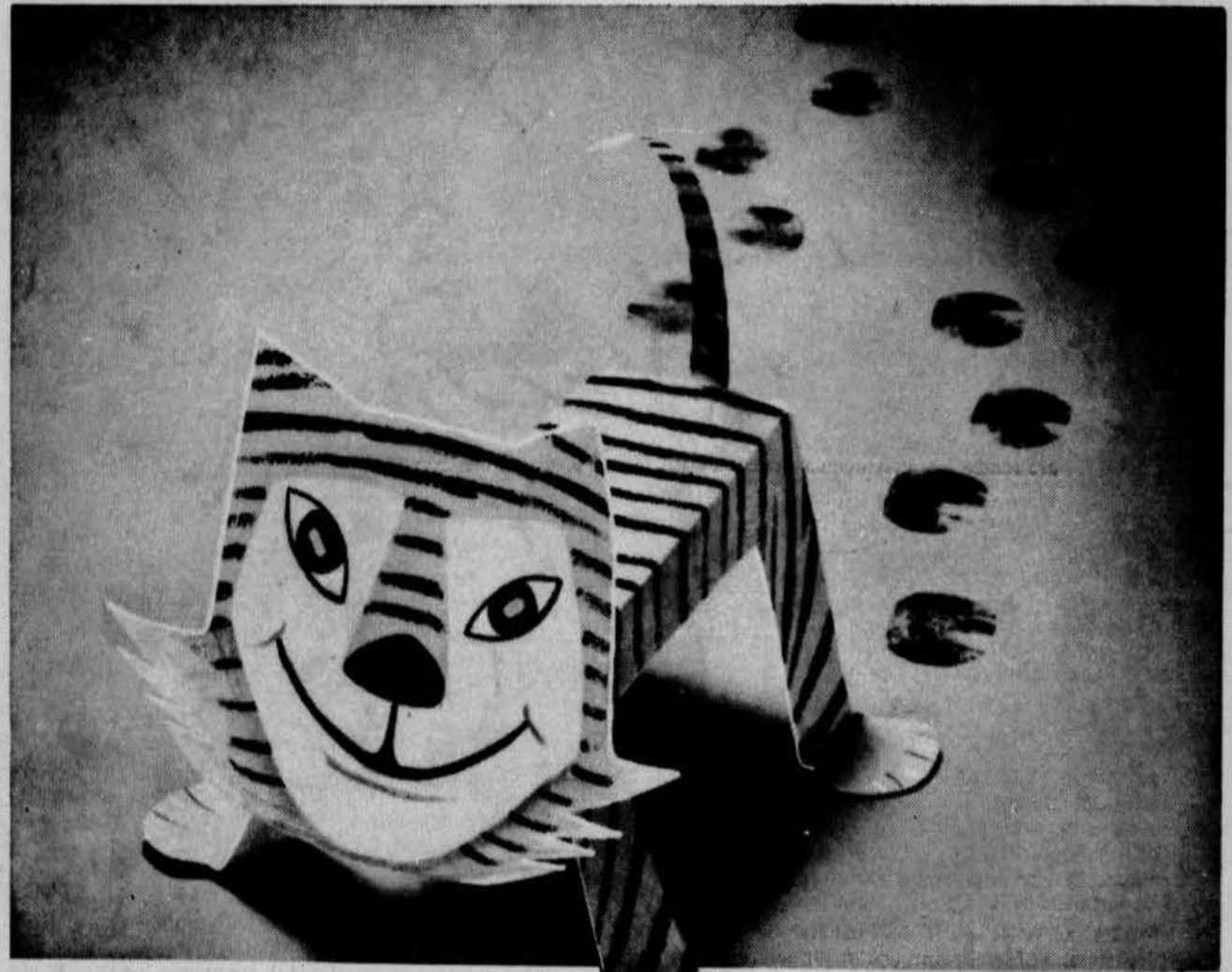
On the one hand we hear that students are being forced to get involved in a program which can be very distasteful to them and that forced participation is an affront to their mature capacity for raw judgement, while on the other hand we hear that the experience, knowledge, and insight gained is both lasting and potentially valuable and that involvement often produces enthusiasm which, consequently, produces students who end up wanting to go advanced. It is difficult to say just where the greater measure of justice lies, but this difficulty should be a function of reason: rational considerations, reasonable distinctions, and self-consistent logic.

Now what Mr. Kniering has said, using substantiation, context, and logic which was, as was pointed out, representative of a particular brand of thinking, is that a) "militarism" is

unquestionably bad and has no place on any campus, b) Tech has a form of "compulsory militarism," and so, therefore, c) the effort should be to have a purely voluntary form of "militarism." Which is confusing to those who have an addiction to building-block thinking.

In short, it is very doubtful that in 45 column inches of print Mr. Kniering has by use of intelligent and clearcut analysis within a pertinent context advanced any manifestly relevant arguments or anyone's understanding of the situation any distance at all. No one can be too sure, however, that we haven't seen the first hints of a movement designed to eliminate Tech's military science program — lock stock, and trigger assembly.

Sincerely,
Richard L. Logan



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Storke

(Continued from Page 1)

From a purely practical point of view, parents will recognize the fact that young people of college age have already been indoctrinated with their guiding

principles for life, well before they leave home." President Storke continued by stating the day will come when students will govern themselves, with the role of the administration being that of an observer to step in only when the situation

threatens the rights of others. The president said, "I view this eventual self-government as an eminently desirable step forward. It is as important to the students as are his studies, in producing on a day-to-day basis that independence, that self-

identification, that maturing, that growing up' which will make him a better person to meet, to participate in and — we hope — to improve human relationship in this world. This will be 'participating-democracy' of the finest kind."

Beware

(Continued from Page 3)

education than Military Indoc-trination and Drill? If God had intended colleges for study or enlightenment, He would have given us a scholar for a president. But in His Wisdom, He saw that our institutions of higher education would be needed for a far Nobler Purpose — to provide our Armed Forces with trained Officers.

There are those who say that Militarism denies the capacity of the individual for critical judgement. These people would have us go through life worrying ourselves with trivial little details and having to make all our own decisions. To lead such a life is to be cynical and unhappy. The riots in Watts and Newark only illustrate how such attitudes could threaten the Peace of the World when people won't stay in their proper place.

There are, in addition, a few weird hippies among us who complain that ROTC provides for a system of status and privilege alien to the principle of academic excellence. But these fuzzy-headed nuts avoid the Truth that ROTC provides for a better system — the principle of Character and leadership. Yes, you can always tell a man's character by the way he marches! And one has only to look around him to see that every important student leader is a ROTC Man!

The Board of Trustees and General Storke have made a wise decision in continuing Compulsory ROTC. We must admire these Brave Men for standing up to the majority of students and faculty, and deciding that an eighteen-year-old college student is not responsible enough to make the only right decision for himself. Yes, a man should have to Fight for his Country before he is mature enough to ask for the privileges of Citizenship and Freedom.

In conclusion, I ask all sane Tech students not to do anything they may regret for the rest of their lives. Disregard the agitation of the upperclassmen — they're all moral degenerates anyway. Ignore the faculty — they just want more power. Yes, even ignore the M.S. Department for — and this proves the extent of the Communist Conspiracy — they too, support this detestable idea of voluntary ROTC. Instead, hang an American Flag out your window today! Sing the National Anthem proudly on your way to class! Stand Up For America! Stand Up For Freedom! Stand Up For Tradition!

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How about other loopers? Our Sales Department loopers (30 or so) remain at the home office for about a year of training. Most are then assigned to district offices where they take over established accounts.

Fabricated Steel Construction loopers are trained in a drafting room, on a field erection project, in a fabricating shop, and in an engineering office. A looper's first work assignment is based on interests and aptitudes disclosed during this program.

Loopers in Accounting, Shipbuilding, Mining, Research, Traffic, Purchasing, Finance and Law, General Services, and Industrial and Public Relations go through training programs tailored to their types of work.

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METALLURGICAL ENGINEERING — Metallurgical departments of steel plants and manufacturing operations. Engineering and service divisions. Technical and supervisory positions in steelmaking departments and rolling mills. Also: Research or Sales.

CHEMICAL ENGINEERS—Technical and supervisory positions in coke works, including production of byproduct chemicals. Fuel and combustion departments, including responsibility for operation and maintenance of air and water pollution control equipment. Engineering and metallurgical departments. Steelmaking operations. Also: Research or Sales.

INDUSTRIAL ENGINEERING—Positions in steel plants, fabricating works, shipyards, and mines. Engineering and maintenance departments. Supervision of steelmaking, rolling, manufacturing, and fabricating operations. Also: Sales.

CIVIL ENGINEERING: Fabricated Steel Construction assignments in engineering, field erection, or works management. Steel plant, mine, or shipyard assignments in engineering, construction, and maintenance. Supervision of production operations. Sales Department assignments as line salesman or sales engineer (technical service to architects and engineers).

ELECTRICAL ENGINEERING—Steel plant, fabricating works, mining operations, and shipyard electrical engineering, construction, and maintenance departments. Technical and supervisory positions in large production operations involving sophisticated electrical and electronic equipment. Also: Research or Sales.

MINING ENGINEERING — Our Mining Department operates coal and iron ore mining operations and limestone quarries, many of which are among the most modern and efficient in the industry. This 10,000-man activity offers unlimited opportunities to mining engineers. Also: Research.

NAVAL ARCHITECTS AND MARINE ENGINEERS: Graduates are urged to inquire about opportunities in our Shipbuilding Department, including the Central Technical Division, our design and engineering organization. Also: Traffic.

OTHER TECHNICAL DEGREES—Every year we recruit loopers with technical degrees other than those listed above. Seniors enrolled in such curricula are encouraged to sign up for an interview.

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Beards Abound On Tech Campus

The faculty at Tech includes a number of hirsute individuals. While eight bearded faculty members does not constitute a majority, it is a significant number. It should also be remembered that there are a larger number of faculty members with mustaches.

There are two interesting sidelights to these pictures. The first is that all these bearded individuals possess Ph. D.'s. Do facial hair and intelligence go together?

The other interesting aspect is the fact that five of the eight are members of the Chemistry Department. Thus the Chemistry Department qualifies far and away as the "hairyset" department on the Hill.

(Photos by R. Templin)



DR. BEALL, Chemistry



DR. STEVENSON
Chemistry



DR. NARDUCCI, Physics

Alan Freed's Baby

(Continued from Page 3)

No Number" a ballad, accompanied only by acoustical guitar, organ and strings. Side one ends with Traffic's tour-de-force "Dear Mr. Fantasy", a slow blues which must be heard to be believed. Winwood takes the five-minute-plus composition out with a savagely beautiful guitar solo.

Side two opens with the Spanish-sounding "Dealer," while Chris Wood's flute soars in and out. "Coloured Rain" is an R and B tune, reminiscent of Winwood's days with Spencer Davis. Capaldi's drumming as always, is superb, and Winwood's organ and vocal make this one of the high points of the album. Finally, we are treated to another side of Traffic in their jazz instrumental "Giving to You". Everyone is tight, but watch out for Winwood's organ and guitar (over dubbed) solos.

On the American album are three tracks which were released as singles. These represent

Traffic's earliest works. "Paper Sun" is the first, and features the sitar work of Dave Mason. Next, and lastly, are the two sides of a single, "Hole in My Shoe" and "Smiling Phases". The former is another sitar piece, but far more intricate and sophisticated than "Paper Sun." "Smiling Phases" is done in Winwood's best shouting R and B style. Long known as the best white blues singer on either side of the Atlantic, he really wails on this social commentary song. This cut includes Capaldi's best recorded drum work.

To quote the *East Village Other* (May 3, 1968): "Traffic is the supergroup . . . Beatles can't do their sound live . . . Traffic cuts Cream, cuts Hendrix . . . no weak spots or boring phrases . . . Traffic is the only one who could follow Big Brother."

This about says it all: dig the album and see them if you ever get the chance.

S.D.S.

(Continued from Page 3)

ideas. Approximately 10 Tech students attended, headed by Vic Pearlman who spoke on his favorable attitude towards the movement and commented that there were others at Tech who agreed with him.

The rally certainly had an effect upon the people who heard and saw it. Across the street, two businessmen who were intently interested in what the students were saying, refused to give comment but just shook their heads, while an elderly woman complained that while their ideas were OK, they were dirty looking, obviously commenting on the hippie types who made up the majority of the demonstrators. All around there were small groups of High School students arguing about the war and the election.

By four o'clock it was all over, and as the demonstrators marched back to their respective campuses, one could tell that Worcester had not seen the last of the S.D.S. One Holy Cross student said, "It's only the beginning, in Boston right now, 50 thousand are marching."

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Admission Free

Football Ends Season 5-2 Drops Final Game 35-12

Worcester Tech's bid to tie the best winning record in the history of the school of six wins was shattered last Saturday, as Norwich University defeated

first play of the period and then hit halfback Paul Russo on a 35 yard touchdown pass. The extra point was missed and Norwich was in front 14-6.

Norwich scored shortly after and had a commanding lead of 21-6.

Tech scored again with 48 seconds left in the half, as Worcester moved the ball to the Norwich one, when Korzick took it over for the score. The two point conversion attempt was missed and the half ended with Tech behind 21-12.

The Engineers gave it a determined effort to win this game, but Norwich's defense was too much for Tech to run against. Tech was unable to score again but Norwich scored twice in the second half; both scores coming in the fourth quarter.

Norwich scored early in the period on a one yard plunge by Kulhowrich. The final scoring came after Haltem's second interception of the afternoon, on the following play Cottone threw a 30 yard pass to end Dick Knight who made an unbelievable catch in the end zone.

Losing 35-12, isn't a very nice way to end anyone's season, and there has to be disappointment among Tech's play-



John Korzick, in his last game, gaining nine yards on an end sweep.

the Engineers, 35-12. For Tech, it was its second loss of the season, having been beaten by Wesleyan three weeks ago, thus ending the football season with a 5-2 record. This season was Tech's most successful one since 1958, when Worcester posted a mark of 6-1.

Norwich with its strong running backs, Kulhowrich and Iardorola, moved the ball with consistency as Norwich gained 291 yards rushing. Kulhowrich scored three touchdowns as he gained over 120 yards.

The first score of the game came 12 plays after the opening kick off, as Norwich went 66 yards with Kulhowrich scoring from the one. Norwich scored again in the first period with quarterback Joe Cottone scoring after a drive of 65 yards.

Worcester, who gained only one first down the first period, scored early in the second quarter. John Korzick completed a pass to end Ed Mason on the

A fumble recovery by Charles Anderson gave Tech an opportunity to get back in the game,



Defensive End Dick Sandora catching Norwich's Cottone Behind the line of scrimmage.

but a Worcester drive of 60 yards was stopped deep in Norwich territory, as Pete Haltem intercepted a Korzick pass and returned it to the Tech seven.

ers and coaches. They played the game to their fullest, giving it all they could and never giving up, which is just about all that anyone can do.

This year's team was perhaps the best football squad Tech has ever fielded. Its 5-2 record is quite different from last year's 1-6 mark. The coaches and players have done a tremendous job and should be very proud. Head Coach Mel Masucco has built up a winning team in his first two years here at Tech; and a winning team at Tech is often hard to come by.

SENIORS and GRADUATE STUDENTS

Be sure to save Monday, November 25th, at 7:30 p.m. in Morgan Hall for the annual Placement Seminar. It is hoped that all who plan to take advantage of the recruiting season will be in attendance, regardless of their plans at the present time — be it jobs, graduate school or the service.



Defensive halfback Don St. Marie and linebacker Al Freeburg gang-tackling Norwich's Iondoli.

Booters Down U. N. H. Lose 1-0 to A. I. C.

The W.P.I. booters ended their season last week-splitting a pair of games. Tech won, 2-1 against the University of New Hampshire Wednesday, and dropping a 1-0 decision to AIC the following Saturday.

The Engineers playing UNH as a new addition to its schedule, knew not what to expect

keeper and into the corner of the nets to insure Tech of another winning season.

Saturday's game proved to be somewhat of a disappointment for Tech as it dropped its fourth 1-0 ball game this year.

On a rainy afternoon which hampered both teams play, the game was mostly played at



Co-captain Paul Hayner heading the ball in Tech's 1-4 loss against A.I.C. last Saturday.

from this squad and Tech got plenty. Both teams were evenly matched, and both played hard aggressive soccer through the entire game.

Tech scored first in the first period as Ken Roberts deflected in a rolling ball from in front of the goal mouth. UNH fought back fiercely throughout the second period and their efforts paid off as a UNH left winger broke through Tech's defenses and punched the ball past Tech's goalie and into the nets.

The second half opened with both teams controlling portions of the game, and no score was recorded by either team before the third period ended.

In a fast and aggressive fourth period, which saw both teams pressing hard for the winning goal, Tech came out on top as Ken Bassman rifled a hard liner past the UNH goal

mid field with both teams mounting a few scoring threats from time to time but neither team being able to get the score.

The second half was a bit different, though. Tech controlled the ball most of the time but it was AIC that got the score. AIC's right winger dribbled deep into the corner and crossed a long ball in front of Tech goal. Tech's defense was pulled over to defend but a loose AIC wing was in perfect position to receive the cross and head it into the Tech nets.

Tech fought fiercely throughout the final period, but could not score although they pounded the AIC goal with shots and hit the cross bar and poles three times.

Tech's final record stands at 6-5-1 for another winning season.

Tech Ties Trinity Loses To Amherst

Last Saturday wound up the season for the Tech harriers in a tri-meet with Amherst and Trinity. Mystery shrouds the outcome of the race as a result of a mixup at the finish line. As the runners cross the finish line, sticks are given to them to designate their place. On Saturday four or five crossed at once and while the person in charge of passing out the sticks was trying to straighten things out a number of other runners finished but were not given sticks. After the coaches conferred it was established that Amherst won and Tech tied with Trinity.

Running their last cross

country race for Tech were senior co-captains Charles Zepp and Bob Downie. Zepp had his finest day of the season finishing first for Tech and second over all. Coming in second for Tech was sophomore Bill Light. Numbers four through six for Tech were Jim Snyder, John Moskal, Dana Louth, and co-captain Downie, respectively.

Mike Molone ran an excellent race for the freshman team placing first. Mark Hoyt was second for the frosh as they ended up losing to Amherst and out running Trinity