

Welcome to the class 1978

Back in the days of crew cuts, 21 year-old drinking privileges, and the Beatles, the freshmen at W.P.I. had many problems, most of which no longer exist today.

In an article in *The Tech News* of September 11, 1968, which is reprinted below, no-one really took freshmen seriously. Freshmen were called "frosh", the Pub was for seniors only, and wonderful little "warnings" to freshmen were printed in the school newspaper, as such:

Welcome Frosh

In the coming weeks you will pass through the orientation program at Worcester Tech and enter the college community. The first month will be a con-

stant battle to cope with classes, hazing and other assorted obstacles. Spare time will seem to slip away and sleep will become a luxury. During this time the general tone of your college life will be determined.

Decisions involving personal morality and social position will become more and more prevalent. The criteria you use to make these decisions must be determined individually.

We urge you to use sound judgement before acting. The reactions to the challenges which will soon confront you will reflect upon yourself and your school. Approach these challenges with a sound and receptive mind.

Now wasn't that an inspiration? As we freshmen sit in the pub drinking beer,

or in our room drinking the good stuff (or smoking other good stuff), it is actually quite a contrast over ten years. Now the newspaper prints articles which don't cut down freshmen but which cut down ten year old articles about freshmen. In fact the ten year old article, which some people (like myself) probably find humorous, could be rewritten for 1978 as such:

Welcome Freshmen

During the past week you passed through the orientation program at W.P.I. and entered the college party scene. The night before classes was a constant battle to cope with all of the

parties, drinks, and other assorted hangover producers. Spare time will be

spent in the pub and sleep will be between 2:00 and 7:00 a.m. During this time the general tone of your drinking and/or study habits will be determined.

Decisions involving personal morality (should I wait until the next date?) and social position will become more and more prevalent. The reactions to the challenges (who can chug a pint of vodka faster) which will soon confront you (like next party) will reflect upon yourself and your school. Approach these challenges with a sound and receptive mind. Of course if you accept the challenges you will no longer have a sound and receptive mind.

WPI Newspeak

The student newspaper of Worcester Polytechnic Institute

Volume 6, Number 17

Tuesday, September 12, 1978

The ins and outs of Boynton Hall —see page 6—

A few changes made:

Campus reshuttled

by Jack Traver
Newspeak Staff

Major renovations were accomplished during the summer of 1978 here at WPI. With the renovation of Boynton Hall along with many less extensive projects, the Physical Planning Department had their work cut out for them.

Gardner Pierce, head of the construction, provided insight into the great degree of work accomplished during the summer. Dean Van Alstyne and the Registrar Office moved out of the Olin Labs and back into Boynton Hall. The move was completed on schedule and in time for fall registration. Many other faculty members found themselves in new locations this September. Pierce acknowledged that it is a big transition to change one's location and many were hesitant to do so. He felt confident however that nearly all relocations were into better facilities.

The fourth floor of Salisbury Laboratories has been renovated and restructured to accommodate the Bio-Medical department offices. A hallway and a large room on this floor are being combined into a research lab, paid for through a federal grant.

The Project Center has been renovated to make room for the IQP project facilities, formerly kept on the third floor of Washburn. This uniting of IQP and MQP facilities and faculty creates greater organization and efficiency, ac-

ording to Pierce. Now, the third floor of Washburn is accommodating nuclear reactor offices. In addition, the Computer Science Department moved out of the overcrowded Higgins Laboratories and into the restored second and third floors of Washburn.

Other moves included the Central Education Research Division to Higgins Lab. Kay Draper, lecturer in English, moved from her "cubbyhole" in Salisbury basement to a larger office in Higgins Laboratories. David Lloyd, Vice President of Business Affairs moved to Boynton Hall, to unite this department in one building. The Audio-Visual Department was enlarged to house nearly twice as many terminals as before. The basement of Alden Hall was structured to locate the Music Room once again, in addition to the Alumni Conference Room. Extensive sound insulation and a new entrance were provided here to effectively divide one from the other. A new entrance was furnished at the Gordon Library. The Alumni Gym offices and classroom were renovated. Atwater-Kent had major tiling and painting completed.

Due to new laws benefiting the handicapped, any building having in excess of \$50,000 renovations generally must meet handicap standards for easy accessibility. Pierce emphasized that the moral obligation to the handicapped is far greater than any legal obligation. The elevators were redone in Daniels Hall to meet the handicap standards.



Photo by Marc Lippmann

New A. V. Terminals in Gordon Library

Daniels can now accommodate up to sixty handicapped persons. Ramps, railings and parking spaces are constantly being created to produce greater advantages for any handicapped students.

All of the above mentioned projects have been done in addition to the never

ending dorm repairs, roof repairs, paint jobs and other odd jobs. It is obvious that the Physical Planning Department has had its hands full and deserves a great deal of credit for its excellent maintenance services.

Know the rates:

Dealing with Ma Bell

by Dorin Jay DiMarco
Newspeak Staff

It's the start of a new school year, and most of us are back from summer vacation with lots of money to spend. A word of advice, don't blow it all on the phone company. If you're lucky enough to live in Sanford Riley, or have an apartment you can have the added convenience of a telephone. Now with a little shopping and by asking a few questions you can shave a few dollars off that phone bill.

Now there are a great many rates, and equipment charges, and if you leave it up to the phone company you'll probably be paying for things you don't need. The cost for installing a standard dial type desk phone is \$23.00, (your choice of colors) and \$10.25 a month service charge, plus tax. Now if you get that same phone and have it listed as a two party line, the service charge is only \$8.55, plus tax. As college students, it really isn't necessary to have such gimmicks as pushbutton dialing, hold buttons, or a little beep to tell you someone else is trying to call you when you are talking on the phone. All of those and a bevy of other gadgets cost between \$1.10

and \$25.00 more per month, out your pocket.

In 1977 the Federal Communications Commission cleared the way by which it is now legal for you to own your own phone. These phones are available from department and electronics stores for between \$25 and \$300 depending on the features. So if you supply your own equipment the installation charge is only \$21.50 and the service charge is only \$9.40 a month. Now the only catch is that you must supply the phone company with a ringer equivalence, and FCC registration number.

These numbers insure that the equipment you purchase meets Bell System specifications. Beware, there are some stores selling non-registered devices, these are illegal and might cause damage to the phone lines. In the course of a couple of years the cost of purchasing your own phone will be recovered in phone bill savings.

So remember, shop around, don't let the lady behind the desk at the phone company talk you into things you don't need, and use your own phone. You can save money when dealing with Ma Bell.

Hints For Survival:

Protect yourself

by Paul Poritzky
Newspeak Staff

For all of you out there who like your money and want to keep it: Starting September 13 parking rules will be enforced, so get your colored parking sticker and save your beer money. Also, you out of state motor vehicle operators are required to file an informational form with campus security and affix a non-resident student decal to your windshield. This is the law. See campus security by September 30.

Do you like your stereo? Your television? Your refrigerator? Your calculator? Questions? Other people would like them too. Lock up when you leave your room, even if it is just for a minute. When you go to class, take your key. When (if?) you take a shower take your key. This way you will have a clean, educated key. Also, you will have your stereo, television, refrigerator, and calculator.

It has come to our attention that people have been peering into windows

at a "Animal House." This is not nice, and is very illegal. We suggest a visit to the Fine Arts Theatre, or maybe a trip to the Day Night Superstore's pornography department.

Campus Police do not spend their days and nights searching out smokers of illegal substances or other communists. Discretion is advised, but do not have an attack whenever there is a knock at the door. Last Wednesday night, a few teachies were partying and yelling out the window. Soon, there was a knock on the door, accompanied by "campus police, open up." With quick presence of mind, the stash was thrown out the window. Luckily, it landed on the roof of the Wedge, to be daringly recovered later. The knock on the door was just someone's idea of a joke. Why would security be walking around at eleven o'clock knocking on doors? If there is a moral to all this, it is that if you must be paranoid, worry about something worth while, like passing a few courses.

Ask The Worcester Tenant's Assoc.

Q. My neighbors tell me that my landlord goes into my apartment when I am not here. While nothing appears to be missing, I do not like the idea of other people-landlord or not-being in my apartment without my permission. What can I do?

A. When a landlord rents an apartment he gives the tenant exclusive use of that apartment. This means that no one, including the landlord, may enter the apartment without the permission of the occupant. Only in the case of a real emergency may the landlord enter the apartment in the absence of the tenant.

If the tenant knows that the landlord is entering his apartment, the tenant should first request that the landlord stop doing so. If the landlord continues to enter the apartment thereafter, the tenant would probably be justified in changing the permanent lock to simply installing an inexpensive chain locked and unlocked from the outside.

Q. My lease has a clause which seems to lock me in to another year when the present term expires. Can you explain

how these clauses work. Are they legal?
A. Extension clauses appear in may

leases, usually either near the beginning or end. However, always make sure to read every word of a lease before signing. Properly written and used, these clauses can be beneficial to both landlords and tenants.

The clauses usually say that the landlord or tenant must notify each other (preferably in writing) within thirty (30) or sixty (60) days before the end of the lease of their intention to either let the first lease term expire or extend for another term.

In other words, if the landlord wants to raise the rent, he must tell the tenant before the deadline. Similarly, if the tenant wants to leave at the end of the lease, he must notify the landlord before the same deadline. If neither party hears from the other by deadline, the lease automatically renews itself for another term at the same terms including rent and services.

This information is provided as a public service by the Worcester Tenants' Association. Questions should be addressed to: "Housing," Worcester Tenants' Association, 791 Main Street, Worcester, Massachusetts 01610.

Meals Tax Information

The Massachusetts Legislature has repealed the 6 per cent Meals Tax for student meals purchased and served on college and university campuses. This is good news and is effective with the current academic year.

Unfortunately, the Terms A & B bills had already been mailed to all students prior to WPI receiving official notification of the repealed meals tax. Thus, all students who had subscribed to the two board plans had already been

billed for half of the tax due this year and some students had already paid before the tax was repealed.

Therefore, those student who paid the tax will receive credit towards their bill for Terms C & D. The credit will be in the amount of \$29.00 for those on the 7 day board plan or \$26.50 for those on the 5 day board plan.

Also, students will not be taxed on food purchased in the Snack Bar or for a la carte purchases in the Dining Hall.

Editorials Election '78

Next Tuesday, September 19, is primary Election day in Massachusetts. We urge all students at WPI who are registered to vote, to do so.

Some of you, of course, are too far away from home to vote. If this is the case, then why didn't you get in contact with your town or city clerk and request and absentee ballot? Statistics have shown that since the voting age was lowered to

eighteen, relatively few young people have exercised this right.

What has happened to the so-called post-Watergate awakening of political awareness that we've heard so much about in the press? Even at the student government level, we have seen an almost universal state of apathy take hold.

Get out there and vote. Government is only as good as you make it.

Fruits Of Research

Last Thursday, scientists at the City of Hope National Medical Center in Duarte, California announced that they had used man-made genes to change bacteria into useful organism that produce human insulin.

This accomplishment marks the first tangible result from recombinant DNA research that could benefit millions. For some time now, there has been controversy over whether or not genes which transmit messages from generation to generation. Many alleged exper-

ts have claimed that no good could come from this work. Now, with this news, they'll have to swallow at least some of their words.

Research such as that involving recombinant DNA techniques can, in the hands of competent and conscientious scientists, yield great advancements. Obviously, however, there is also a growing need for the public to be kept informed of the risks of research which could potentially affect them so profoundly.



HEW News

Swine Flu Shot Claims Accepted by Government

Persons who suspect they may have contracted Guillain-Barre syndrome as a result of receiving flu shots in the Federal Swine Flu program of 1976, do not now need to prove negligence in claiming damages as formerly required by law. HEW has announced that claimants in most cases need to show only that they developed Guillain-Barre (a rare medical condition that can cause temporary paralysis, permanent paralysis or death) as a result of a Swine Flu vaccination, and suffered damages as a result of that condition.

This policy does not apply to any non-Guillain-Barre cases arising under the Swine Flu program or to any arising subsequent to the Swine Flu program under Federally sponsored or supported immunization programs.

All Guillain-Barre claims can be addressed to: Claims Officer, Public Health Service, HEW, Parklawn Building, Room 58-09, 5600 Fisher Lane, Rockville, Maryland 20852.

Schools of public health and those with graduate programs in health administration are now eligible for grants for special projects under the Health Professions Educational Assistance Act of 1976.

Funds from the HEW grant must be used to develop new graduate programs or expand existing ones in biostatistics or epidemiology; health administration; health planning or health policy analysis and planning; environmental or oc-

cupational health; or dietetics and nutrition.

About \$5 million is available in fiscal 1978 for this program which is administered by the Bureau of Health Manpower, 3700 East-West Highway, Hyattsville, Maryland 20782.

Rules requiring education institution participating in the Guaranteed Student Loan Program (GSLP) to have a fair refund policy, have been proposed by HEW's Office of Education. The rules state that if a student borrower leaves school before completing the education paid for by the loan, any unused portion of the loan funds will be returned to the lender, reducing both the amount of the student's loan debt and costs to the federal government.

The proposed rules also set criteria HEW would use in determining whether a particular school's refund policy is fair and equitable. The refund policy would have to take into consideration the period for which tuition, fees, and room and board had been paid; the length of time the student was enrolled; and both the kinds and amount of instruction, equipment, and other services provided the student during his or her enrollment.

The public is invited to submit written comments to: Patricia Hopson, Guaranteed Student Loan Branch, DPPD, Bureau of Student Financial Assistance, Office of Education, 400 Maryland Avenue, S.W., Washington, D.C. 20202.

Newspeak

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The Temple Of The Two Towers

Firm the bureaucracy enmassed
Which shoulders up, like Titan men,
The sprawling Project Center vast
The ancient minster of the glen.
It holds a library four-square
With carrels, but with students few:
Books, thick reports, and - cobwebs too.
Within, the Center were so apt
But for the tragic flaw you see:
Gilded bright with technology,
It shows in magnified degree
Like a discarded thesis old
Thrust in archives where none might see
One more rejected IQP.

Faculty Pen

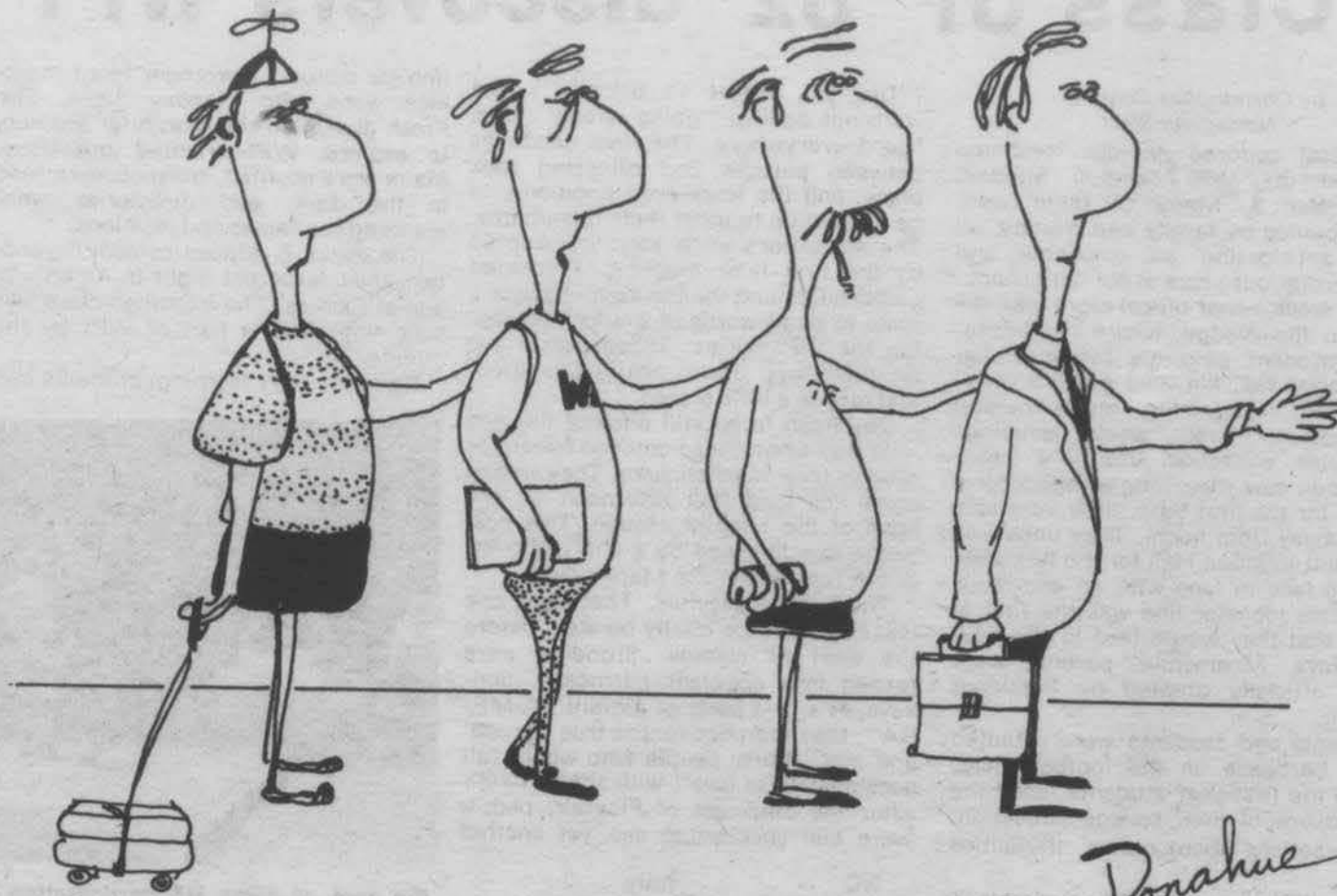
But WPI adheres
To the TWO TOWERS and ministers
Of All the Plan; that night 'twas seen
All that curriculum confers:
Analysis of Clamshell fools,
For the handicapped, clever tools,
The promise of more solar power,
The hazards that lurk in one's car.
The Protean form of the IQP
Subserves its ubiquitous utility
Videotapes like cymbals clashed
While terminals all chanted fast.
Texts sonorous students intone
Colored with the computer's tint;
From symbols fast together thrown
They voice the new Septuagint,
That facile creed- Technology,
They parrot its authority.
Loons beatific they do view:
At Salisbury prizes they renew
Their gasps of wonderment and awe.
As holy pillars near they draw
The stricken neophytes kneel down.
"Proceed, the Freshman Seminar
Initiates may now pass through
The holy gate. AD. Well done!"
Chanted the holy votary,
An engineering notary.
Pictured on those white pillars square
The secret signs were naked there
For all to see

-In numinous epiphany:

The MQP, and IQP,
Above them both "Competency"
But o'er them all complacently
Blazed the talisman "Sufficiency."
Enhanced, advanced, replete, concrete
The sign assumed the almighty's seat.
That emblem, here, in holy form
For students exercised a charm.
"I like this concept, it has grace,"
One whispered reverently with hush.
"Humanities make this a holy cause.
Ah! Ha! I love it, were that true."
"What mean you there?"
"I do but mean
Engineering's just a machine.
Humanities- by Sufficiency known-
Hold the true key; for they alone
Mirror our lives, pull back the veil;
'Tis realistic- can avail!"
Breathed unbelieving students then
"Bureaucracy and MQP,
IQPand Competency
Set off and aggrandize the rite
Of worship in the temple quite:
A goodly game.
Engineering, though, and science too,
Natural and social in our view,
Somehow they drug, make sleepy too.
We purpose in Salisbury's ravine to go
To the basement department down so
low.
Let's quit our worship at technology's
shrine.
We'll offer ourselves to a goddess more
fine."

E. Malcolm Parkinson
Humanities Department
29 July 1978

With sincerest apologies to Herman
Melville and his mythic protege Clarel
who visited the monastery of Mar Saba.



E-Term Review

by Arman Gorkani
Newspeak staff

Becker Junior College was closed and the weather was hot; nevertheless, we had fun.

I think most students who took courses in term E would agree that the term was a success. The people who most benefited were students doing projects of taking major courses. They had their run of the school's facilities.

After classes, people would meet at the Goat's Head Pub, where the five o'clock showing of "Star Trek" was a daily must.

Nights were great, too. If nothing else, I discovered during the summer months that Worcester does, indeed, have a night life. Everywhere I went, I invariably ran into students from other schools who were also taking summer courses.

Many of the students who took summer courses at WPI also took part in the work-study program. With all this newly-discovered night-life around, some of them (not mentioning any names) needed this work time to catch up on their sleep!

All in all, I've come to the conclusion that summers spent at WPI are definitely a winning proposition.

WRITING RESOURCE CENTER

The Writing Resource Center, on the first floor of the Project Center, will be open every afternoon in A term from 12 noon to 4 PM starting Monday, September 18th. Students with any questions or problems about academic writing--project proposals, project reports, essays, book reviews; term papers, job descriptions, and so on-- can arrange for free tutorial help at the Center simply by making an appointment any afternoon. Tutors in the Center specialize in helping students rewrite papers which faculty have returned as poorly written. Handouts on basic writing and on organizing projects proposals and reports are also available.

Apartment Dwellers: Get Your Money's Worth

Every apartment in Massachusetts must conform to a variety of codes. These include the State Building Code, local fire ordinances and the State Sanitary Code, Minimum Standards of Fitness for Human Habitation.

Plumbing and wiring must be safe and functional. Heating systems must be adequate. The building, and its apartments, must be structurally sound.

A tenant who discovers code violations in his apartment should immediately notify his landlord so that repairs can be made before a condition grows worse.

If the landlord refuses or fails to make the repairs, the tenant owes it to himself and to his fellow tenants, to take whatever steps are necessary to see that the codes are enforced.

The first step, the tenant should take is to contact the local Board of Health and request an inspection. When the inspector comes, the tenant should point out whatever he thinks is wrong. The inspector should give or send the tenant a copy of his inspection.

The inspector should then send a notice to the landlord ordering him to make any necessary repairs. If the landlord refuses to make repairs he should ultimately be taken to court for violation of the state sanitary code.

It could be quite some time before this happens, however, and in the meantime, the tenant continues to live in the bad conditions.

Recognizing this, the legislature has, in recent years, created a number of laws aimed at helping tenants cope with bad living conditions and ineffective code enforcement programs.

These laws, which will be explained in this space at a later date, include legal rent withholding, the right to make repairs and deduct the price from the rent, and direct court action on the part of the tenant.

All of these remedies have strict requirements and should not be used without the counseling of a competent lawyer or of a tenants' association.

Finally, health department files are public record and should be available for your inspection during normal working hours. You can also receive copies of these records at a minimal costs.

This information is provided as a public service by the Worcester Tenants' Association. If you would like more information on code enforcement or would like to receive a copy of the Health Code Checklist or if you have any housing questions, send them to the Worcester Tenants' Association, 806 Main Street, Worcester, Massachusetts 01610.

Questions of general interests will be answered in this column.

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Class of '82 discovers WPI

by Christopher Coleman
Newspeak Staff

Several hundred nervous freshmen invaded the WPI campus Sunday, September 3. Many of them were accompanied by family and friends; all were anticipating an enjoyable and prosperous four years at our fair school.

The frosh's first official sight was the desk in the Wedge, where the incoming student paid his fifteen dollar orientation fee. He then got his orientation kit, containing much helpful information, first week activities schedules, and school tips. The freshmen then saw their long-awaited dorm rooms for the first time; their very own home away from home. They unpacked and went to Alden Hall for the ID cards, coming face to face with an enormous line. This monster line was the first of many that they would face in the next few days. Meanwhile, parents were being officially greeted by President Cranch.

Parents and students were reunited for a barbecue on the football field, where the first-year students faced the second line of their college education. Conversations about rooms, trivialities

("Did you forget to bring...") and warnings against "going wrong" were heard everywhere. The final goodbyes between parents and offspring took place, and the teary-eyed engineers to be headed up to meet their roommates. The salutations were soon interrupted by the first floor meeting. Freshmen gathered around the Resident Advisor's room to await words of wisdom governing the WPI dorms. These people are all alike deep down; anxious, excited, and maybe a little scared.

The frosh faced still another line the next day when they ventured forward to receive their meal stickers. They waited again for food that afternoon on the lawn of the Higgins House. This barbecue was followed by a short preview of the Tom Parks/Jim Mapes show.

Then came Playfair. Then had one last chance to go totally bonkers before the start of classes. Students were turned into eggplant parmesan, donkeys, H's, and parts of a giant "A-ME-BA"; they searched for the true "pruee" and met "thirty people who would fall passionately in love" with them. Even, after the craziness of Playfair, people were still shocked to see yet another

line for supper. Scavenger Hunt meetings were held Monday night. The Frosh discussed the search for answers to esoteric WPI-oriented questions. Stairs were counted, plaques were read in the dark, and directories were searched for names and locations.

The Parks & Mapes comedy/hypnotism show later that night in Alden was a total success. The freshman class was becoming more a part of WPI by the minute.

Early the next morning, students met

their faculty advisors and took care of the famous "blue form" they received when they first arrived (a WPI trademark) and were faced with another line (ANOTHER WPI trademark!). Then came the longest line of all: The registration line. Some people waited for hours to get registration materials, but once this formality was dispensed with, the haggard freshman had made it; they were at last, officially, WPI students. They had made it.



The WPI class of 1982 is varied in its activities, educationally well prepared, and is from a widespread geographic area.

WPI students came from the following states, countries, and territory in the following numbers:

MA	322	PA	6
CT	96	MD	5
NY	39	VT	5
RI	37	Columbia	3
NJ	29	Brazil	3
NH	19	Panama	2
ME	17	Venezuela	2
IRAN	11		

And one each from:

ID	Costa Rica
FL	Yugoslavia

NC	Italy
CA	Argentina
ND	Belgium
PR	Hong Kong
BERM.	Ghana
THAI.	Greece

Average test (SAT) were
WPI 520v 630m
Nat'l 430v 470m

WPI has 44 per cent of its freshman class place in the top 10 per cent of HS class

70 percent of its freshman class place in the top 20 per cent of HS class
Median of HS rank — 13 per cent

45 per cent of the class of '82 received financial aid of some sort.

Per cent of class HS participation in following:

	PER CENT MEN	PER CENT WOMEN
Athletics	63	65
Music	20	37
Stud. Gov.	20	50
Yearbook, Newspaper	22	45
Summer Work	75	75
School yr. Work	35	38
PreProject type exp.	18	20

Majors (as specified on applications):

Biomedical	30
Civil E.	59
Chemistry	25

Chemical E.	61
Electrical E.	137
Computer Science	88
Environmental E.	17
Life Sciences	5
Mathematics	16
Mechanical E.	89
Management	12
Nuclear E.	12
Physics	25
Pre-Med	1
Un declared*	29

*No field of study specified application.


Statistics supplied by
John S. Brandon,
Director of Admissions

WALK ON WALLS WITH A FREE TRIAL OFFER

A lot of students are registering for Army ROTC. They'll be experiencing some new and different challenges. The thrill of walking on walls as you rappel off a fifty-foot tower is just one.

All of the exciting training comes with a free trial offer. The "free" means that if they decide to leave Army ROTC during their first two years, they can with no military obligation. That's how sure we are they'll want to stay in.

Call: CAPTAIN STEVE HUNT AT 752-7209 OR VISIT ROOM 28A, HARRINGTON AUDITORIUM, WPI CAMPUS

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Art Museum News

While Americans worry about weakening social customs in their increasingly mobile society, Middle Eastern nomads are experiencing the opposite but more destructive trend of settling down. For centuries the nomadic culture has revolved around wool, and the need for new pasturage for flocks has been the prime motive for seasonal wanderings. With political and economic pressures to settle, however, the nomad is now an endangered species; with him will die one of the world's great geniuses for weaving.

The Nomadic Weaving Tradition of the Middle East, on view September 13 through November 5 at the Worcester Art Museum, is a beautiful testament to this vital yet moribund art of making fabrics from wool. The show is an uncommon opportunity to see in one viewing an extensive collection of rare, high quality weavings by tribes in Turkey, Iran, and Afghanistan.

Organized by the Museum of Art, Carnegie Institute, in cooperation with the

Pittsburgh Rug Society, Nomadic Weaving features more than 100 pieces representing all varieties of rug making techniques—flat woven, pile, felt, and mixed-employed by Middle Eastern weavers.

The nomad, or "Yoruk" in Turkish, handles every phase of textile production, from tending herds of sheep to shearing, carding, spinning, dyeing, and ultimately weaving the wool. Although cotton and silk have recently been introduced into some of the fabrics, wool remains the essential component of every nomadic textile.

Women perform the weaving on simple, wooden looms as part of their household duties. While taking pride in their work, they do not approach it as a painstaking enterprise. "Errors" are not corrected, and colors are not matched perfectly from spindle to spindle. Designs are seldom symmetrical;

shapes are not perfect squares or rectangles; and the texture of a rug may not be uniform.

It is precisely this improvisation, though, which makes nomadic weaving a truly creative art. Perfection of technique of design would only dull the visual riches of the textiles.

In addition to pile and flat-weave pieces woven on a loom, felt is an important part of nomadic textile production. Made by the application of heat, pressure, and water to wool, the dense fabric is warm and water-repellent. Felt has long been used for protective mantles for man and beast, and it remains the most suitable material for covering nomadic tents, or "yurts," one of which

is featured in the show.

Lecture Series

In conjunction with the exhibition, Dr. Walter B. Denny, associate professor of art history, University of Massachusetts, Amherst and honorary curator of rugs at The Fogg Art Museum, will present a series of three general lectures: "Nomadic Weaving in the Near East" Sunday, October 22; "Yoruk: An Exhibition of Nomad Rugs," Sunday, October 29; and "Turkoman Rugs: Symbolism in Everyday Life," Sunday, November 5. Subscriptions to the three talks, all of which begin at 3 p.m., are available to members for \$5. Single admission for members and non-members is \$2.

Attention: Seniors

The following graduate schools will be interviewing in the office of graduate and career plans located on the third floor of Boyton Hall.

Babson College-October 17, 1978

Northeastern University Graduate School of Business-November 14, 1978

Northeastern University Graduate School of Eng.-November 7, 1978

Syracuse University-November 15, 1978

Please schedule appointments with Bill Trask or his secretary between the hours of 8:30 AM and 5:00 PM. Mondays through Friday.

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address, **CALL TOLL-FREE 800-648-4711** except from Hawaii or Alaska. In Nevada call 800-992-5710. And do it soon. Because we think buying a calculator should be one of your most carefully calculated decisions.

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Boynton Hall: Returning home

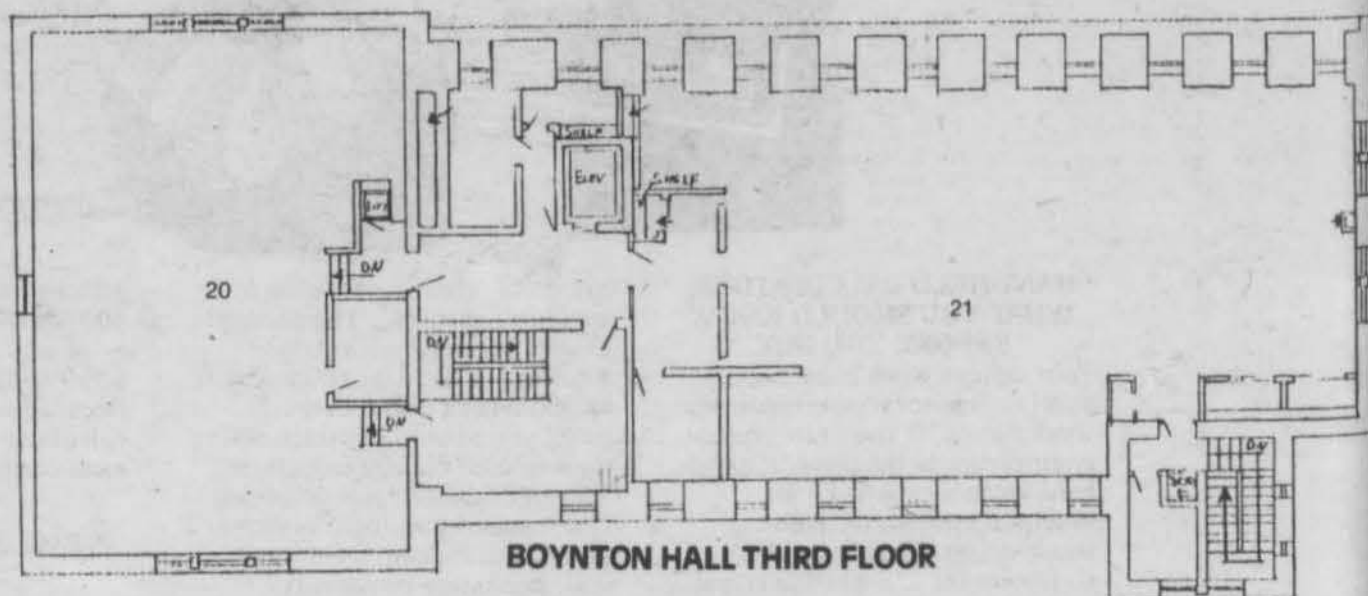
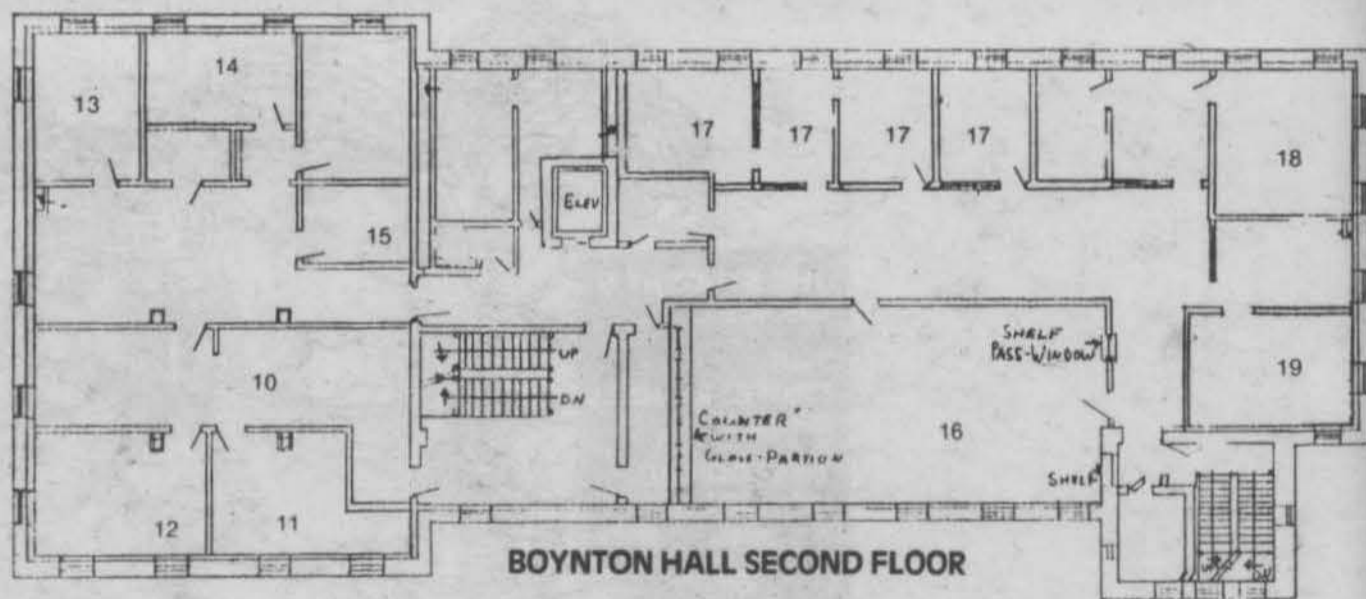
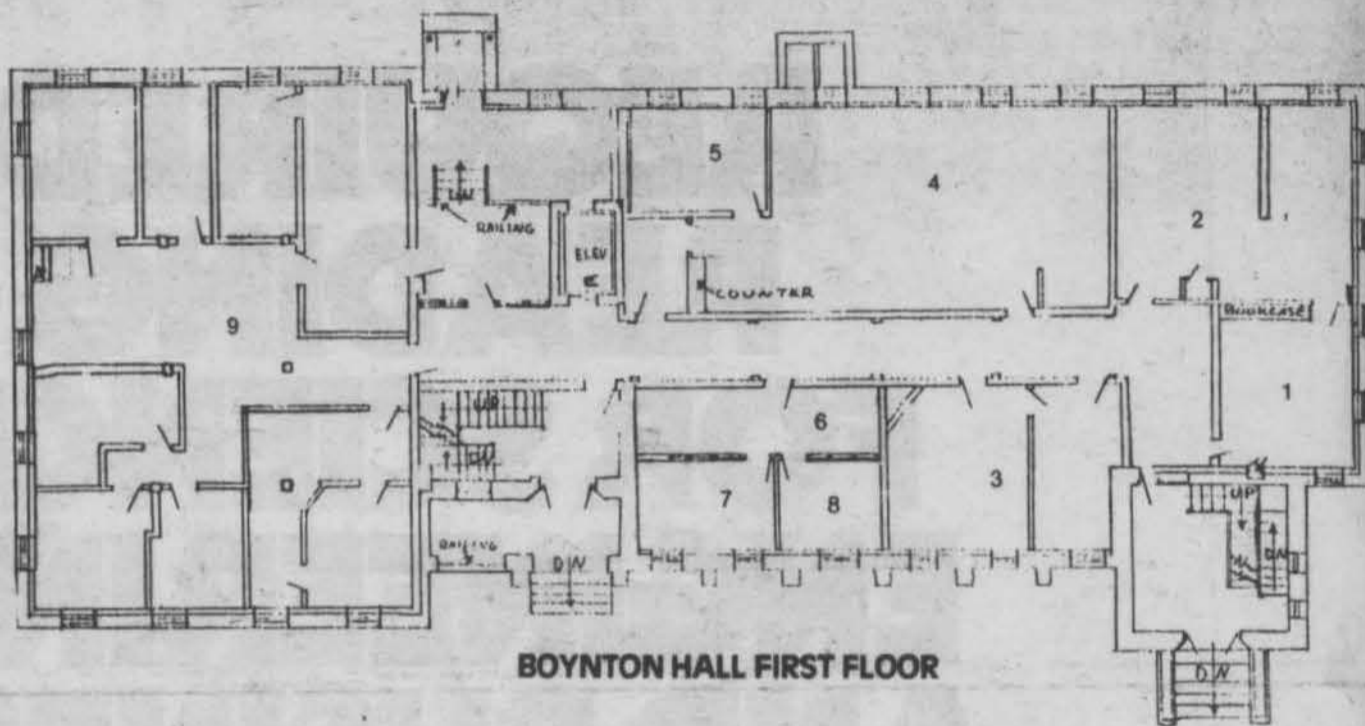
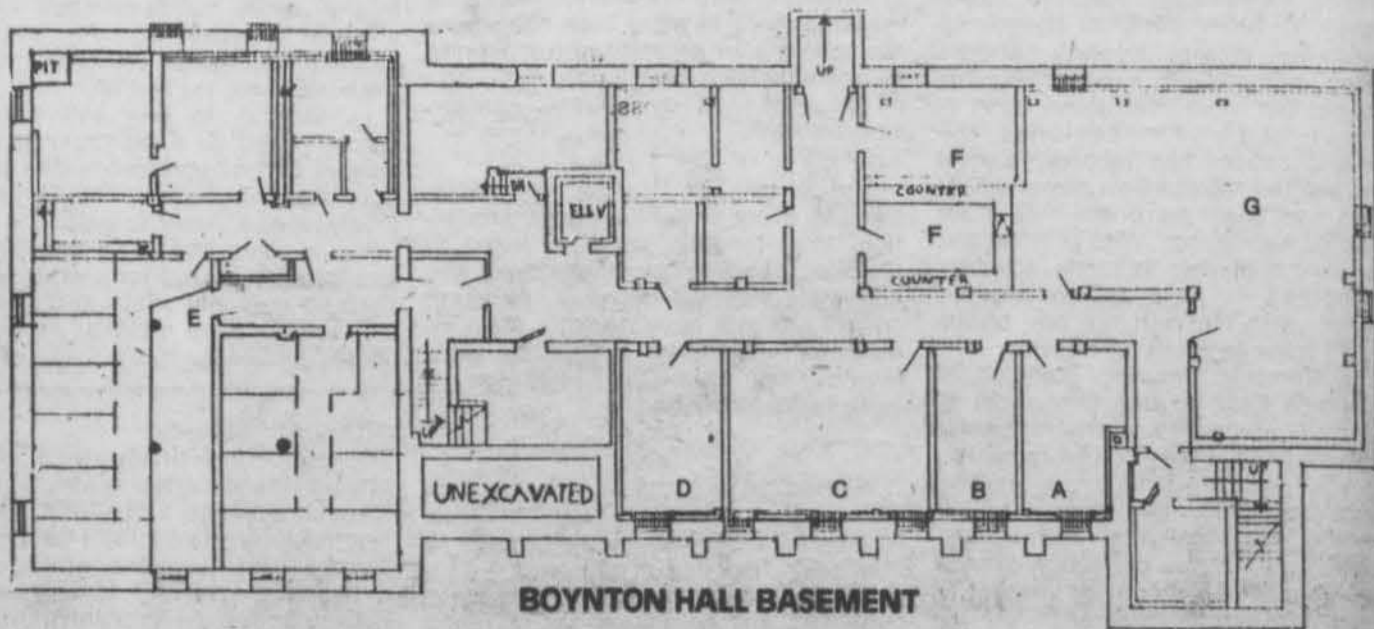
After being empty for several years and a major facelift and interior renovation, Boynton Hall is once again "one-hundred percent occupied", according to WPI Plant Engineer Anthony Ruksnaitis. The building, WPI's first, was built in 1865 to house classrooms, laboratories, a chapel, and the then limited administrative offices. Since that time the building has gradually become the administrative center of the campus. Boynton Hall was emptied about two and one half years ago when tests revealed dangerous overloading of support members, caused by the heavy records stored in the various offices.

According to Mr. Ruksnaitis the reoccupation began in mid July and ended in time for the arrival of the Freshmen. The offices in the building are for the most part open. The offices themselves are not numbered, making it a bit difficult to find any given one. Listed below are the offices and a key to the floor plans printed to the right.

- A Photocopy room
- B Mike Kyritsis
- C Mailing Room
- D Word Processing
- E Storage
- F Mailing and Duplicating
- G Print Shop and Bindery

- 1 President Cranch
- 2 President's Secretary and receptionist.
- 3 Dean Van Alstyne
- 4,5 Registrar Robert Long
- 6,7,8 Office of Continuing Education
- 9 Admissions-Financial Aid

- 10 Office of Academic Affairs
- 11 Dean Grogan
- 12 Dean Bolz
- 13 Dean Kranich
- 14 Dean Clarke
- 15 Secretary of the Faculty
- 16 Accounting
- 17 Personnel
- 18 Vice Pres. Lloyd
- 19 Controller and Head of Acct. Barrett
- 20 Office of Graduate and Career Plans
- 21 University, Relations Office (including Public relations, News Bureau, Publication, and Alumni Offices)



HEW News

Total enrollment in the nation's schools and colleges will drop slightly again in the 1978-79 academic year, while total expenditures will increase by about \$11 billion, according to HEW's National Center for Education Statistics (NCES).

In its annual "Back-to-School" forecast, NCES indicates that some 59.8 million students will enroll this fall in formal educational programs from kindergarten through graduate school. This represents a drop of about 2.5 percent from the record high enrollment of 61.3 million reached in the fall of 1975, and a decline of about 1 percent from last year's 60.3 million.

Total expenditures at all levels are expected to exceed \$155 billion in 1978-79 as compared to outlays of \$144 billion in the 1977-78 year.

Nearly 3.3 million persons will be employed as classroom teachers in the coming year, while another 300,000 individuals will work as superintendents, principals, supervisors and other instructional staff members. Thus, education in the fall of 1978 will directly involve 63.4 million Americans. In a

nation with a population exceeding 218 million, this means that 3 of every 10 persons will be participants in the educational process.

Different trends are apparent at the various educational levels. The downward trend in elementary school enrollment, first noted in 1969, is again evident. The number of students enrolling in kindergarten through grade 8 will decline by about 2 percent, from 33.2 to 32.6 million students.

Enrollment in grades 9 through 12 reached a peak in 1976, experienced a nominal decrease in 1977 and is expected to drop slightly again this fall. About 15.6 million high school students will attend school this September, down about 1 percent from 15.8 million last year.

College enrollment is expected to reach a new high this fall and probably will experience moderate annual increases through the early 1980's. Public and private colleges and universities will enroll a total of 11.6 million students, a 3 percent increase from 11.3 million in 1977.

More than 2.4 million elementary and secondary teachers will be involved in

classroom instruction this fall. This represents only slight change from last year, with minor decreases at both the elementary and secondary levels anticipated. The total instructional staff at the college level is estimated at 830,000-up 1 percent from the fall of 1977.

Other highlights of the coming school year include:

In the last four years, the annual number of high school graduates has remained near 3,150,000. No appreciable change is anticipated in that figure for this year's high school graduating class.

-Colleges and universities will set new records in 1978-79 as bachelor degree recipients reach 1 million. In addition higher education institutions will award 347,000 master's degrees, 37,000 doctorates, and 67,000 first-professional degrees.

-Of the \$155 billion estimated expenditure in the coming year, elementary and secondary schools are expected to spend \$100 billion, while colleges and universities will spend \$55 billion. Public school and college expenditures are estimated at \$127 billion, while privately controlled institutions will spend close to \$28 billion. (See chart)

-Estimates based on Bureau of the Census data, show that 92 percent of 5-year-olds (usual kindergarten age); 99 percent of 6- to 13-year-olds (grades 1 through 8); 94 percent of 14- to 17-year-

olds (grades 9 through 12); and 30 percent of 18- to 24-year-olds (college age) will be enrolled in school this fall.

-There has been a continuing decline in the pupil-teacher ratio in public elementary and secondary schools in recent years. The ratio decreased from 23.7 in 1967 to 19.9 in the fall of 1977.

Figure 1.-Estimated expenditures of educational institutions, by source of funds: United States, 1978-79

State governments
\$57.1 billion
(36.8 percent)

All other sources
\$38.3 billion
(24.7 percent)

Local governments
\$43.3 billion
(27.9 percent)

Federal Government
\$16.5 billion
(10.6 percent)

NOTE.-Includes expenditures of public and private institutions at all levels of education from kindergarten through graduate school.

SOURCE: Estimates of the National Center for Education Statistics, U.S. Department of Health, Education, and Welfare.

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ATTENTION


Freshmen & Upperclassmen. Take Note

The WPI Men's Glee Club meets on Tuesdays and Thursdays in the Janet-Earle Room of Alden Hall at 6:30 pm. Join Now! Don't miss out on our major spring tour.

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Army ROTC  Learn what it takes to lead.

Livingston Taylor

by Arthur G. Huggard
Newspeak Staff

So! You enjoy the nice mellow sounds of Kiss or Aerosmith; or maybe you're more fond of the meaningful lyrics of a good disco song. You like the lights and make-up of a rock concert. Well if you do, then brace yourself for this! On September 15th you will get none of that.

What you will get is the down home mellow sounds of Livingston Taylor. On September 15th at 8:30 p.m. the W.P.I. Social Committee will present Livingston Taylor with special guest John Cusiak.

This concert is even better than you had hoped because it is free (as in no admission charge). On September 15th you'll be able to grab yourself a blanket (and hopefully a companion) and enjoy an excellent concert out on the quad.

"I know what my audience wants, and there's going to get it," says Livingston. Any of you upperclass

persons who saw Liv. when he was at W.P.I. for winter weekend can attest to his fine musical and songwriting ability.

Liv. has been playing before crowds for five years and thinks highly of his audiences musical taste.

Born in Boston, Liv was raised in North Carolina. His older brother is a rather obscure unknown musician.

Liv has recently released his new album "3 Way Mirror". The album captures the energy encompassed in Livingston Taylor and should provide excellent listening.

Appearing along with Liv will be John Cusiak; a mellow, funk type artist in the Herbie Hancock mold.

The entertainment is good, the price is right (free), and the setting is different. So come out on September 15th and hear a good concert. Unless you're only into rock, disco, or computer science.....

Entertainment



LIVINGSTON TAYLOR

Space Experiment

QUEST/78 has reserved room for an experiment aboard an early flight of the U.S. Space Shuttle. Purpose; to help make the program accessible to deserving experimenters who lack resources to develop and finance such projects on their own. QUEST/78 invites groups or individuals to submit ideas for the best use of the Shuttle reservation and will donate it to the winner. In addition to sharing the experimenter's NASA fees and developmental costs, according to financial need.

The winning project can be in almost any field, ranging from astrophysics to medicine, economics to molecular biology. But it must be an experiment that can be done only aboard the Space Shuttle, fit into a container measuring five cubic feet, and weigh less than 200 pounds. Most important, QUEST/78 will give special consideration to proposals that promise some tangible,

significant benefit to humankind (e.g., the eradication of disease, more efficient energy use, etc.). Sheer commercial or military projects will not be considered.

Deadline for the QUEST/78 Space Shuttle Experiment Competition is October 1, 1978. If you have sufficient background to design and construct an appropriate project, write a succinct description of your idea in 500 words, enclosing any necessary diagrams together with a resume of any other information that would indicate your ability to carry out such a project. Send your proposal and credentials, with a stamped, self-addressed envelope to: QUEST/78, Space Shuttle Experiment Competition, 1133 Avenue of the Americas, New York, NY 10036. For additional information contact Kathleen Ryan Gerard or Edwin Schlossberg 764-3400.

Scholarship

Institutional advancement is one of the fastest growing fields in the country and one of the newest.

Nearly every educational institution employs several professionals of that description, but most colleges don't offer a single course on how to become one.

Where do vice presidents, development directors, alumni officers, and public relations people come from?

What kind of preparation is called for? A basic understanding of economics, statistics, marketing, stocks and taxes; and a working knowledge of sociology, psychology, computer sciences are all important. Public speaking ability will help, as will an ability to write a coherent and persuasive letter or proposal.

You as a college student have a tremendous advantage. Whatever your major subject, you can elect courses

that can give you excellent preparation for an exciting career in education- even if you don't want to teach!

The Annual CASE District I Conference offers seminars in fund raising and public relations; discussions of theories, ethics, and practical know-how; and, above all, the chance to meet and socialize with people who are actually doing it. COME JOIN US!

We are offering ten full scholarships which include transportation, conference costs, accommodations and meals. To apply, contact Steve Hebert, Alumni Director, or Bill Trask Office of Graduate and Career Plans. Only one nomination can be made for each institution, and the final ten scholarship recipients will be selected by the CASE District I student Scholarship Committee. The choice of the finalists will depend solely on the quality of the statement included with the application.

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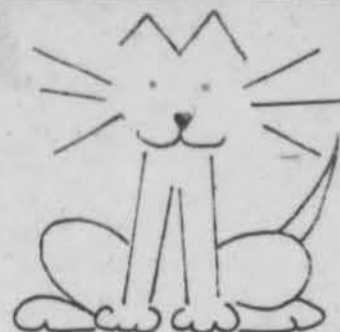
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FREE

Doors close promptly at 8:00 p.m.
Latecomers will not be admitted.

CALENDAR

It's September. Again. And, while you're busy settling in for another year of study, The Boston Globe is busy making sure you don't miss out on any fun.

That's why on Thursday, September 14, you'll find a special back-to-college issue of Calendar, The Globe's weekly leisure-time magazine. It's filled with all the information you need to have a good time.

You'll find out where to get the best hamburgers, ice cream, beer and more. You'll learn how to save money and still have a good time and get a preview of the fall concert lineup.

Plus, you'll find all the regular Calendar features: movie and

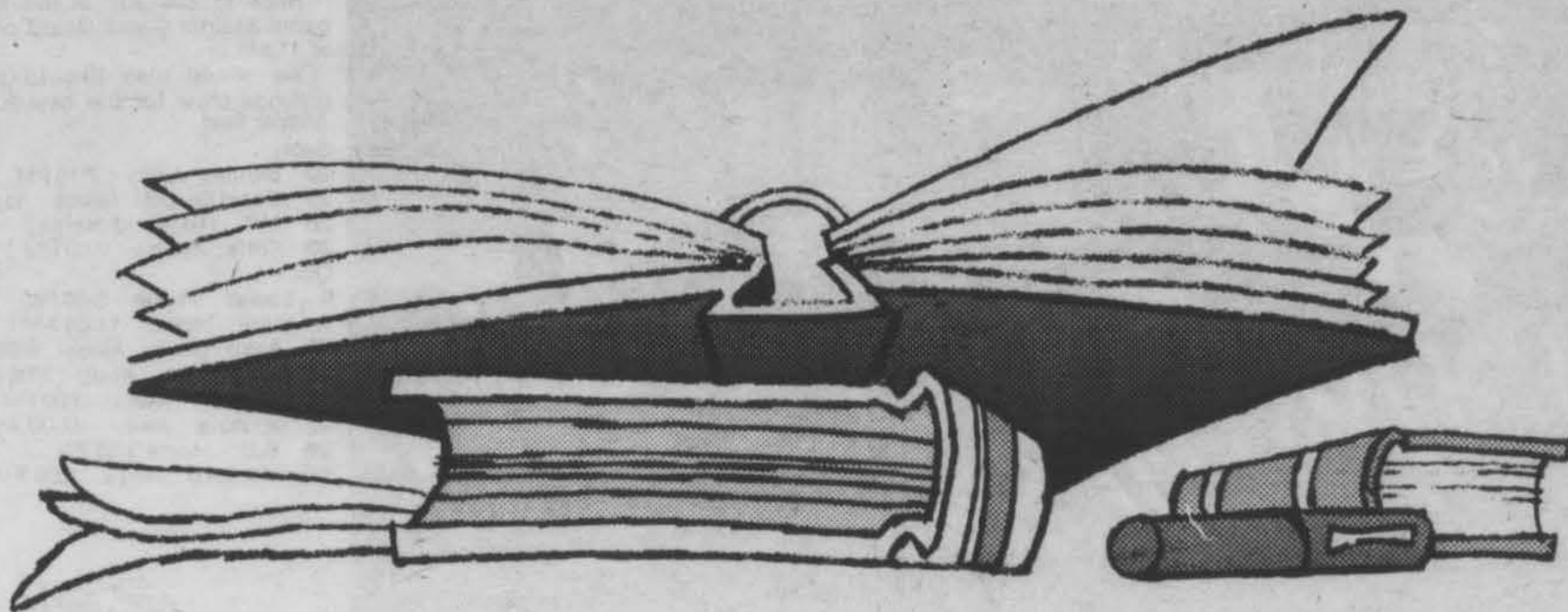
record reviews; columns on night-life, restaurants and sound; bright, informative features and the choice events for the week ahead.

But, best of all, every week Calendar brings you the most complete listings of things to do in and around Hub.

Calendar Magazine. Watch for it September 14 — and every Thursday after that — only in The Boston Globe. Have you seen The Globe today?

The Boston Globe

MORNING EVENING SUNDAY



Sports

Engineers vs. Trinity

Football debut

by Tom McBride
Newspeak Staff

The WPI Football Engineers ventured to Hartford this weekend to take on Trinity College in their final preseason test. Trinity, last year rated one of the premier teams in New England Division III with an 8-1-1 record, still must rank as one of the top teams in the area and in past years have given the Engineers all they can handle in the annual scrimmage.

This year however, the "new look" came out and went head to head with the opposition and it was Trinity that had to dig down and rally to make it even for the day. WPI opened up with its first possession and marched 65 yards in 11 plays with Mike "Smokey" Robinson taking an option pitch from QB Art Hughes from 8 yards out to cap the scoring drive. A key play came on a third down and 8 situation when Darrel Hamel, a sophomore running back who has emerged to give the backfield added speed and balance, took a handoff on a reverse for a 23 yard gain and a crucial first down that set Trinity back on its heels.

The Engineers new and innovative offense installed by first year coach Bob Wiess is starting to come together with the smoothness and consistency that will set many of WPI's opponents back on its heels. Part of the "new look" offense is found up front in the offensive line where Scott "Chewy" Hanson and Pete Kelleher have moved from the defense to add power and balance to the line that already includes veteran tackle Mark McCabe and guards Lou Traviglione and Rick Mongeau. Hard work and sacrifice from the offensive line have made it possible for the backfield to execute the exciting variations of the multiple offense and may finally give WPI a chance to showcase the untapped potential of one Michael Robinson who may well show us his ability to become one of the premier running backs in New England. His unofficial rushing totals were upwards of 150 yards, leaving WPI fans excited over the upcoming season. Also, not to be overlooked is the running and blocking of number 32, Joe Norman, out all of last season with a broken collarbone is finally able to show the potential that made him such



a highly touted prospect from Agawam, Mass, where?

Defensively, the Engineers were very strong and for the most part very consistent.

Following WPI's first score, Trinity took over the ball on their 35 yard line and managed to put together a scoring drive of their own. However, it took Trinity seventeen plays to do what WPI did in eleven. The big play of the drive was a thirty yard pass to the Trinity tight end, who made a fine catch.

Another sign of the toughness of the WPI defense came when they sustained a goaline stand during which it took Trinity six plays to score from inside the ten yard line. Trinity picked up a first down by inches at the one yard line and scored two players later for their only touchdown of the day.

Co-captains Bob Yule and Link Reed anchor the defense from their defensive tackle positions, and combine with noseguard Jack Mazieka to form a very tough front three. Linebackers Mike Auger and Craig Dempsey are growing in confidence and experience. Joe May-

Crew Wins Nationals



by Barry Aronson
Newspeak staff

The good fortune the WPI crew enjoyed last spring stayed with them throughout the summer, which reached a climax when the four man crew with coxswain won the national championship. The boat seating went was: Paul Doe, Dave Baker, Bob Caughlin, Bob Daley, Gary Pietryk, and Debbie Eyege in the coxswain's seat. A straight pair was also raced, placing fourth in the petite finals.

The race started with the New York Athletic Club coming off the line strong and taking a commanding lead. Vikings had WPI by a half a length until the 750 meter mark, at which point WPI moved into second place. At the 1000 meter mark WPI did a power 20 and drew even with NYAC. By the end of the race WPI was in first by two lengths.

Earlier in the season four boats were sent to the International Rowing Championships, two of which brought back bronze medals. The freshman four worked hardest for their medal, losing to a strong Princeton University crew in the qualifying heat. The WPI freshman worked their way through the repechage to the final, where they placed third. Princeton took the gold and Columbia just barely got the silver. In the WPI boat were Paul Doe, Dave Baker, Bob Caughlin, Bob Daley, and Gary Pietryk in the coxswain's seat.

The other bronze was taken by the pair with coxswain, Bob Yule and Scott Boothe rowed and Herby coxed. The straight four rowed a disappointing sixth (last boat in the final) and the straight pair placed fourth in the petite finals.

Soccer team rebuilds

By Bob Cummings
Newspeak Staff

The 1978 soccer season is rapidly approaching with eight openings yet to be filled on the starting team.

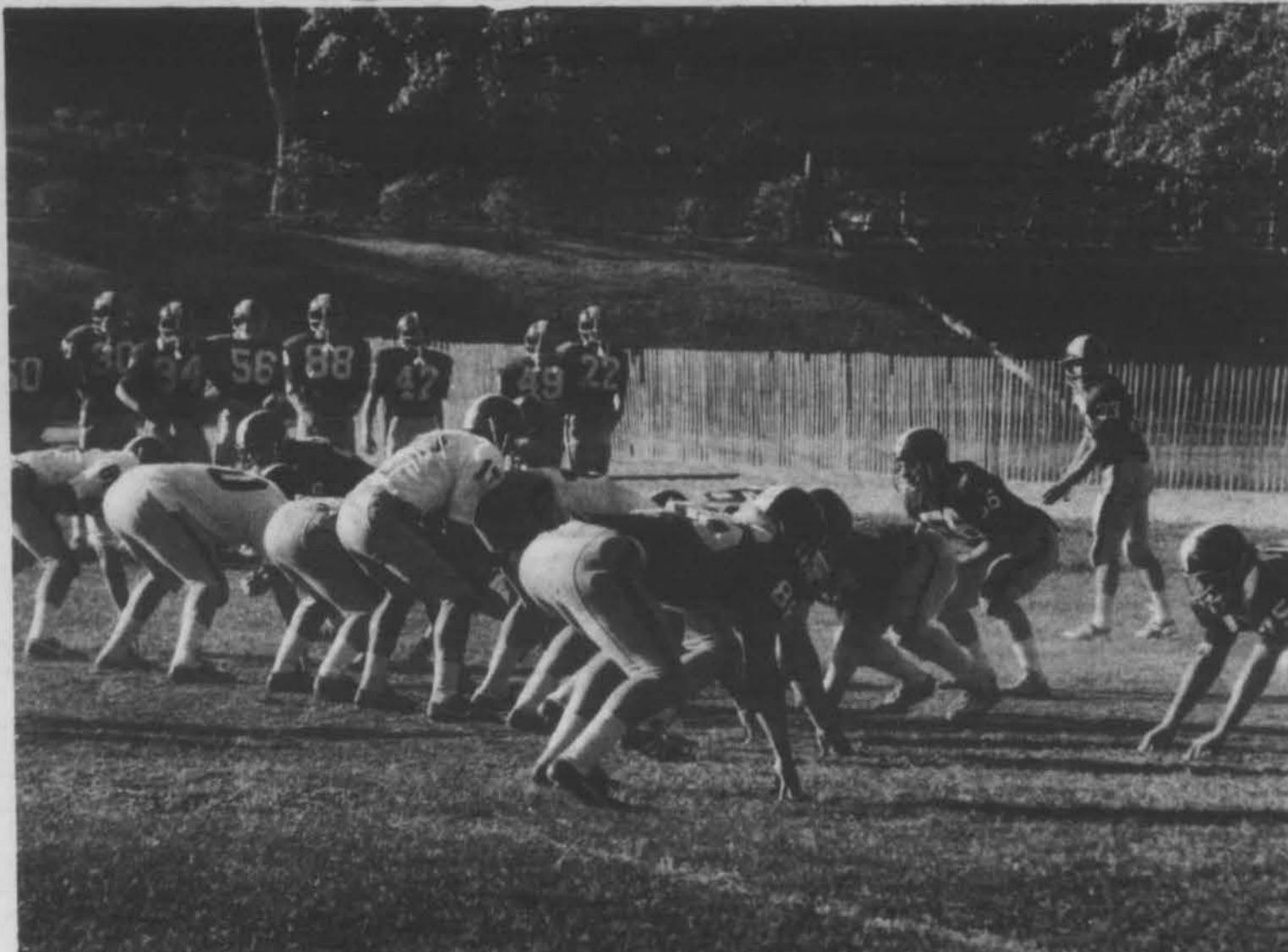
The defense was hurt the most with the loss of graduating students last year. The general feelings seem to be that the void in the defensive unit can be filled by a number of different players who will do a good job if there is a lot of hustle from everybody and spirits are kept high. The hustle and running can be handled by the players but we are going to need a lot of support from the rest of the student body especially at our home games and the away games in the area.

The few players returning from last year feel that if the squad works as a unit this year we will do as well as last year. The talent seems to be there. It's just a case in which the players must get familiar with each other and the style of play.

Hope to see you at the first home game against Coast Guard on Sept. 23 at 11 AM.

We would also like to thank the grounds crew for the new turf on the soccer field.

- Sept.
20 Bentley Away 7:15 PM
23 Coast Guard Home 11:00 AM
26 MIT Home 3:30 PM
30 Tufts Home 2:00 PM
- Oct.
5 Lowell Home 3:30 PM
7 Clark Home 11:00 AM
11 Assumption Away 3:00 PM
13 Holy Cross Away 3:00 PM
17 Babson Away 3:00 PM
21 Nichols Away 11:00 AM
25 B.U. Home 3:30 PM
28 Hartford Away 2:00 PM



Engineers Practice for opening season

- by Randy Correia



Furnish your apartment, get a ride home, say happy birthday, sell your old textbooks in the Newspeak classifieds.

Classifieds

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NEWSPEAK will run classifieds at the rate of 25c per line (15c per line for students). Payment must accompany this form. Deadline is Friday noon for the following Tuesday issue.

Mail to WPI NEWSPEAK, Box 2472, or bring to WPI NEWSPEAK, Room 01, basement, Sanford Riley Hall. Remember, payment must accompany this form in order for the ad to run.

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For business administration, financial analysis and planning, real estate management, investment analysis, and more. The MBA's financial functions include net present value and internal rate of return for variable cash flows. Payment, present and future value, number of periods for annuities. Also, days between dates, and direct solution of yield for bonds and mortgages.



Statistical functions include mean, variance, and standard deviation at the touch of a key. Built-in linear regression. Simple programmability lets the MBA remember a sequence of up to 32 keystrokes.

The MBA comes with a valuable book, Calculator Analysis for Business and Finance. Shows you how to apply the power of your MBA to business and financial decision making.

At its new, low price, the MBA presents an exceptional value to the business student. See it today.



Use this coupon to obtain your \$5.00 rebate.

Texas Instruments will rebate \$5.00 of your original TI-57 purchase price when you: (1) Return this completed coupon, including serial number, (2) along with your completed TI-57 customer information card (packed in box), and (3) a dated copy of proof of your purchase, verifying purchase between August 15 and October 31, 1978. Your coupon, customer information card, and dated copy of proof of purchase must be postmarked on or before November 7, 1978 to qualify for this special offer.

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Please allow 30 days for delivery. Offer void where prohibited by law. Offer good in U.S. only.

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TEXAS INSTRUMENTS INCORPORATED

What's happening?

Tuesday, September 12

IFC House Tours, 7:00 p.m.

Wednesday, September 13

Opening Boogie Night In The Pub

Thursday, September 14

IFC House Tours, 7:00 p.m.

Extracurricular Extravaganza: sponsored by the Purple Key Society, Ballroom, College of the Holy Cross, 7:30 p.m.

Friday, September 15

Imaginus Print Sale, Wedge, 10:00 a.m. to 4:00 p.m.

Social Committee Concert, 8:30 p.m., Quadrangle-"Livingston Taylor and Special Guest"- Free (in case of inclement weather, concert will be held in Alden Hall)

Saturday, September 16

Pub Entertainment- To Be Announced

Soccer, Babson, 1:00 p.m., College of the Holy Cross

Sunday, September 17

The Reel Thing, Alden Hall- "Annie Hall", 8:00 p.m., \$1.00 Admission

Monday, September 18

Spectrum/Fine Arts Series presents, "The Paul Winter Consort", Alden Hall, 8:00 p.m.

Film: "Invasion of the Body Snatchers", 3:30 p.m. and 7:00 p.m., Hogan 519, College of the Holy Cross.

Tuesday, September 19

Soccer, Brandeis, 3:30 p.m., College of the Holy Cross

Women's field Hockey, Gordon, 3:30 p.m., College of the Holy Cross.



Newspeak

Volume 6, Number 17

Tuesday, September 12, 1978